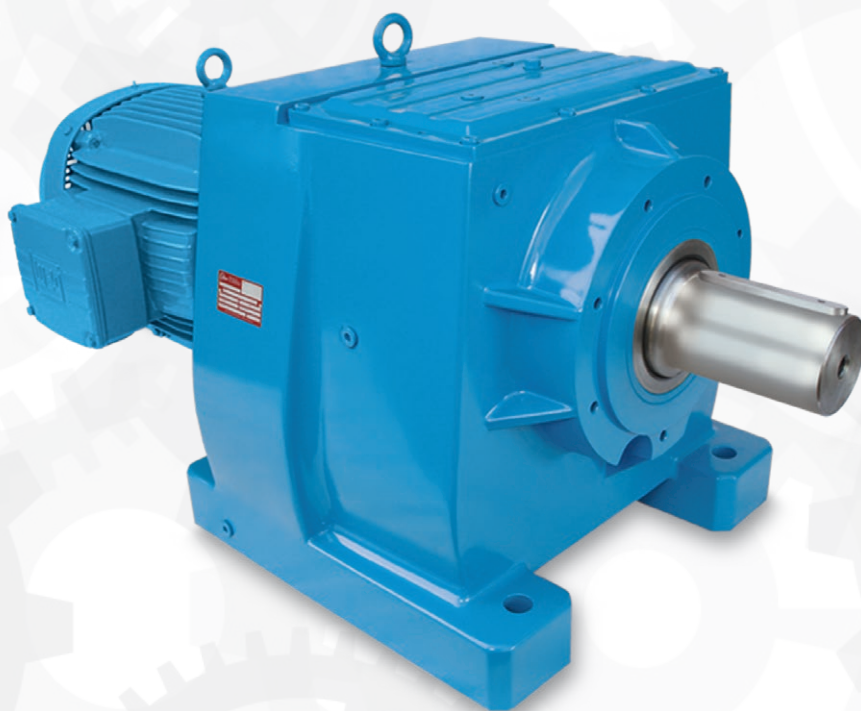
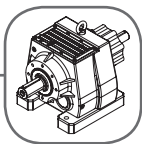


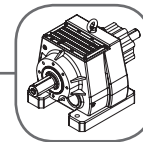
COAXIAL

Redutores e Motorredutores de Eixos Concêntricos





Descrição	Página	
Características gerais	2	1
Código do produto	3	2
Execução	4	3
Posição de trabalho	5	4
Posição para caixa de ligação / cabos do motor	6	5
Seleção do motorreductor e reductor	7 - 8	6
Fator de serviço	9	7
Forças radiais admissíveis	10 - 11	8
Potência de entrada	12 - 81	9
Recálculo de potências	82	10
Características técnicas	83 - 98	11
Tabela de motores	99	12
Dimensões	100 - 172	13
Relação Motor - Redutor	173	14
Instruções de serviço	174 - 175	15
Informações técnicas	176 - 178	16
Peso dos redutores	179	17



Motorredutores

Os Motorredutores Coaxial são do estilo compacto e de construção sólida, e estão disponíveis com reduções duplas, triplas, quádruplas, quintuplas e sêxtuplas; a lubrificação é por imersão em banho de óleo e são fabricados com engrenagens cilíndricas de dentes helicoidais.

Os pares de engrenagens de redução são acondicionados em carcaças de ferro fundido com parede interna que serve de reforço e ao mesmo tempo de mancal.

São fornecidos com flange compacta ou lanterna tipo "FF", conforme norma ABNT 5432 e IEC 72 parte 1 com ou sem motor acoplado; ou podem ser fornecidos com motores acoplados diretamente na carcaça do redutor.

Redutores

As carcaças são fabricadas em ferro fundido de alta qualidade, para que se obtenha uma usinagem precisa sem deformações posteriores; são ainda de construção compacta com parede interna servindo como apoio para os mancais, o que assegura a resistência adequada a sobrecargas e mantém o alinhamento entre as engrenagens e pinhões.

As engrenagens e pinhões são fabricados em aço liga de alta qualidade e seus dentes são helicoidais com ângulo de pressão a 20°, que após operação de desbaste sofrem tratamento termoquímico de cementação, posteriormente, os flancos dos dentes são retificados pelo processo de geração, garantindo um funcionamento silencioso. Os furos e faces das engrenagens, encostos e assentos de rolamentos e retentores, são retificados garantindo um engrenamento preciso.

Os eixos são fabricados em aço carbono usado na construção de máquinas com os encostos e assentos dos rolamentos e retentores retificados.

Os rolamentos utilizados nas unidades são de precisão e resistentes a cargas radiais e axiais, dimensionados para uma longa vida.

Motores elétricos

Os Motores elétricos são trifásicos, assíncronos de indução com rotor de gaiola de esquilo, totalmente fechado com ventilação externa (TFVE).

As carcaças são conforme norma ABNT-NBR 5432, fornecidas com Grau de Proteção IP 55 (protegidos contra o acúmulo de poeiras nocivas e jatos d'água em todas as direções), nas tensões de 220/380 ou 220/380/440/760 V e frequência de 60 Hz.

Motofreio

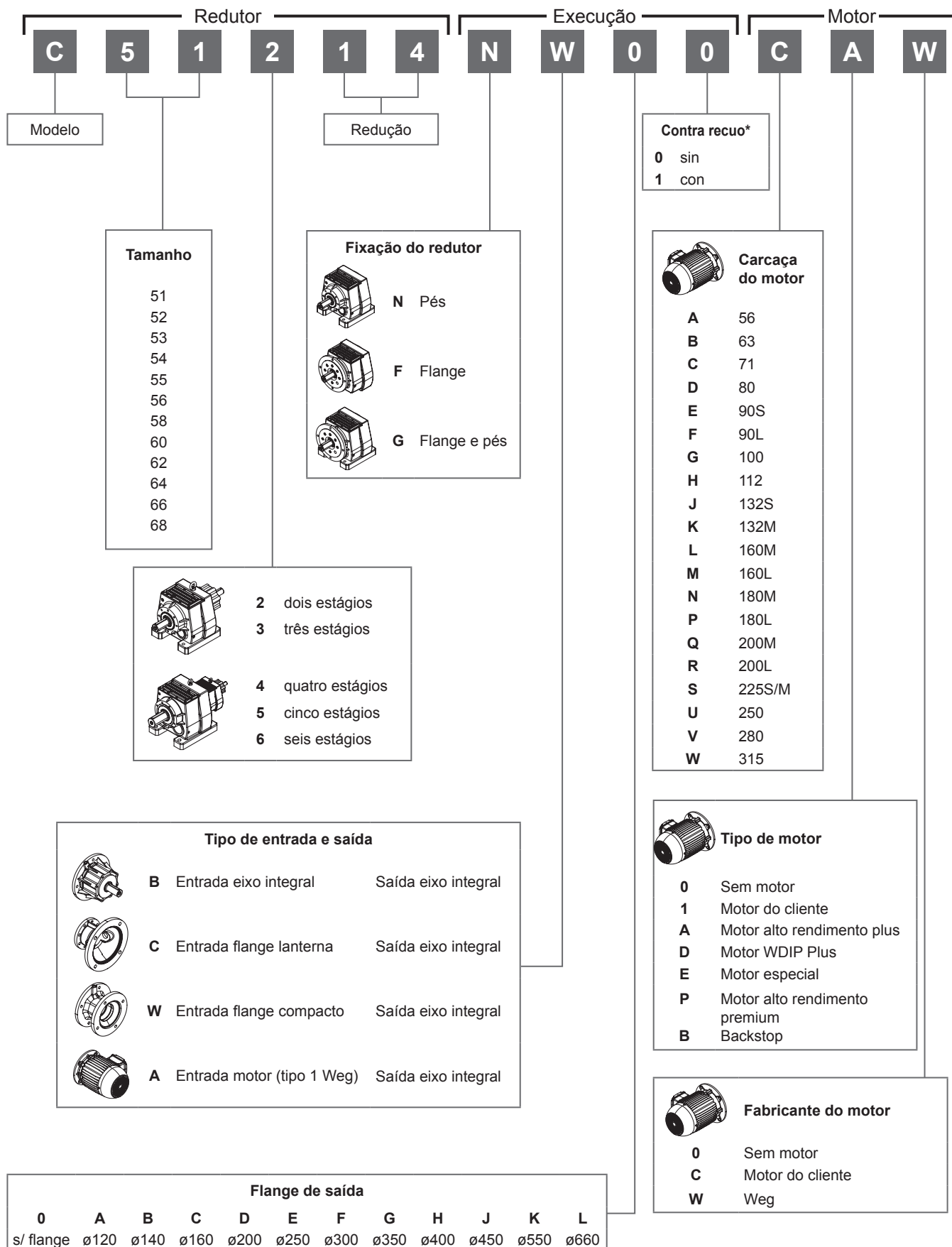
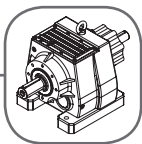
O Motofreio consiste de um motor de indução assíncrono trifásico, acoplado a um freio monodisco, formando uma unidade integral compacta e robusta.

O freio possui poucas partes móveis assegurando longa duração com o mínimo de manutenção. A dupla face de encosto com o disco de frenagem forma uma grande superfície de atrito, que proporciona uma pressão específica adequada sobre os elementos de fricção, evitando o aquecimento exagerado e mantendo assim o mínimo de desgaste. Além disso, o freio é resfriado pela própria ventilação do motor.

A bobina de acionamento do eletroímã é protegido com resina epóxi e funciona com tensões contínuas obtidas através de uma ponte retificadora, alimentada com tensão alternada de 220, 380 ou 440 V, obtida dos terminais do motor ou de uma fonte independente.

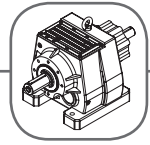
A ponte retificadora é composta por 4 diodos retificadores de silício e 2 varistores que imprimem picos indesejáveis de tensão permitindo um rápido desligamento da corrente.

As pontes podem ser fornecidas em 220, 380 ou 440 V; quando não especificadas são fornecidas em 220 V.



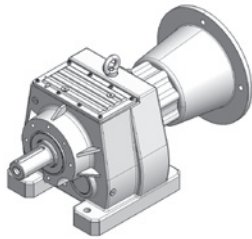
2

* Para motor Weg Tipo 1 o contra recuo será instalado na traseira do motor elétrico, somente para carcaças 90 até 250.
 Obs. É necessário informar a posição de trabalho conforme página 5.

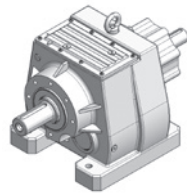


Fixação por pés

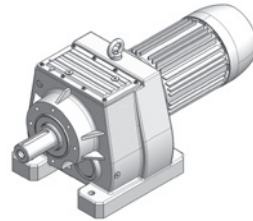
Simplex



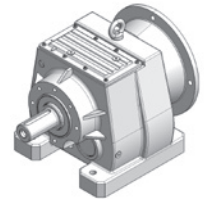
NC00



NB00

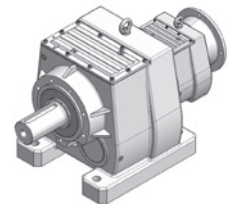
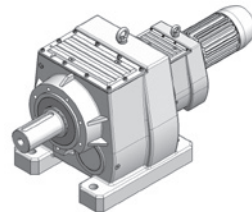
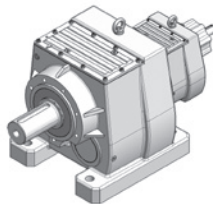
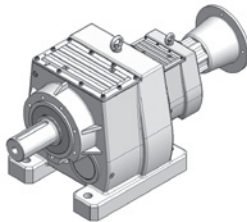


NA00



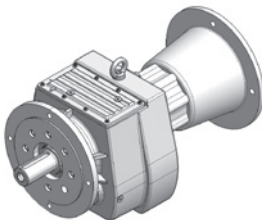
NW00

Duplex

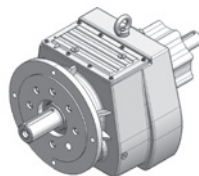


Fixação por flange

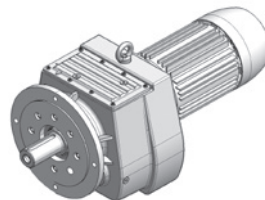
Simplex



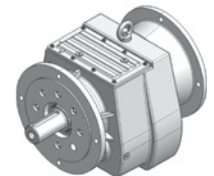
FC_0



FB_0

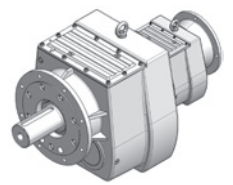
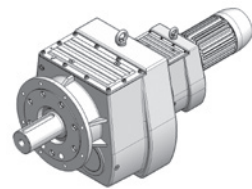
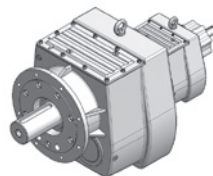
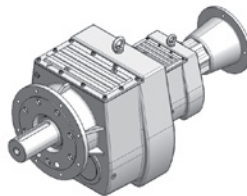


FA_0



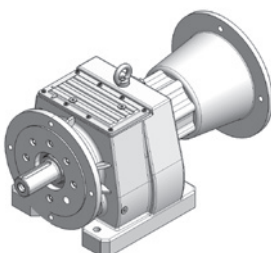
FW_0

Duplex

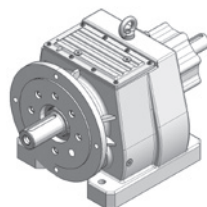


Fixação por pés e flange

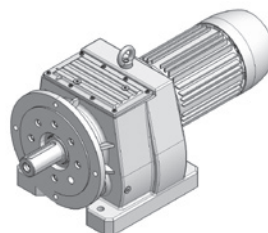
Simplex



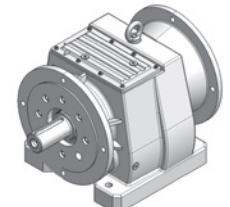
GC_0



GB_0

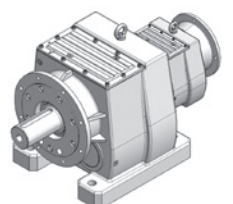
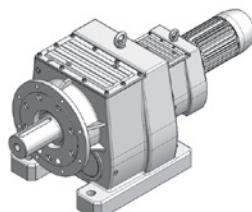
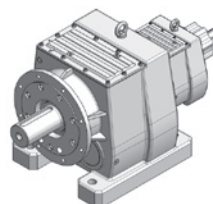
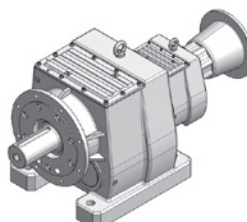


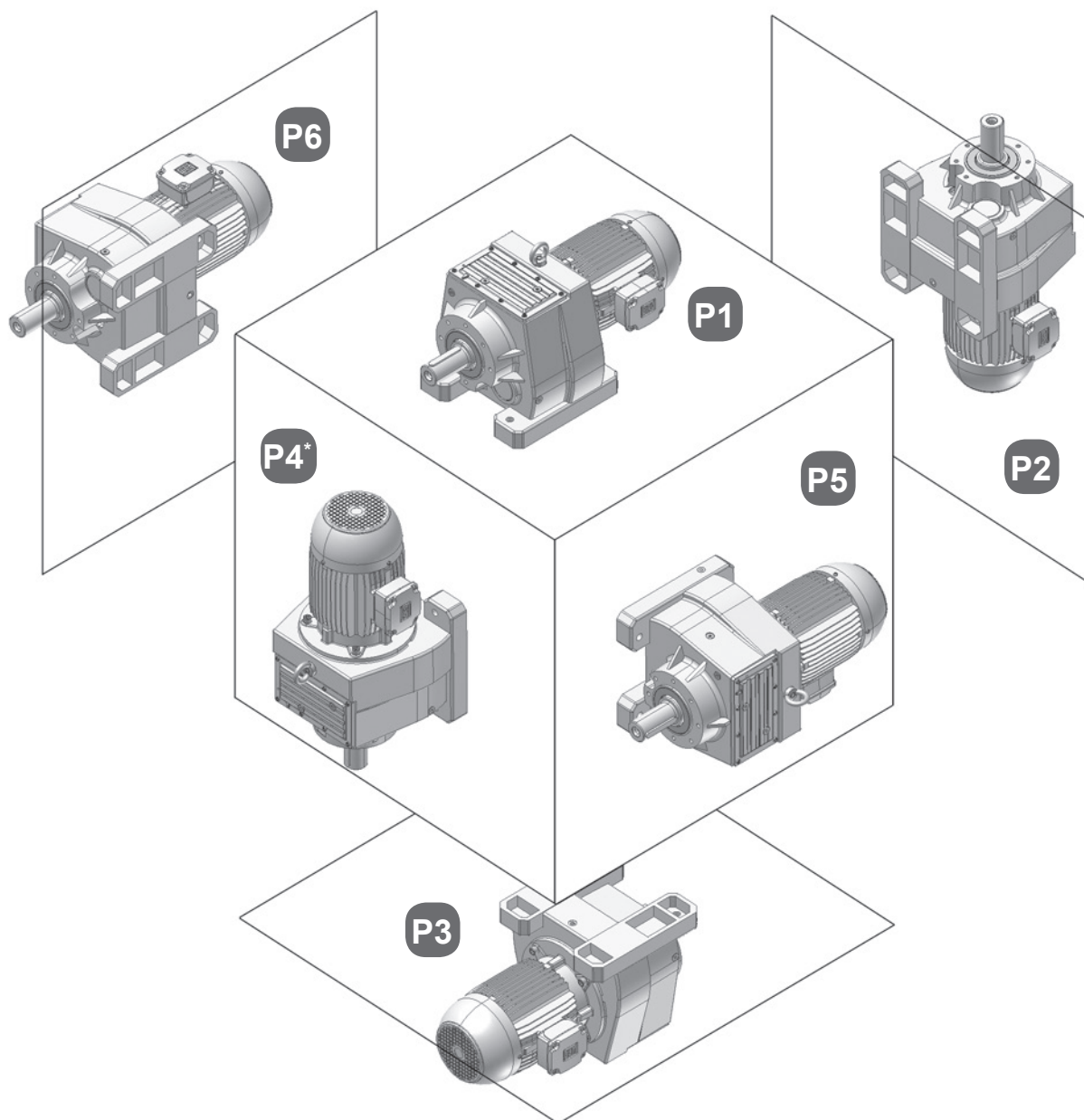
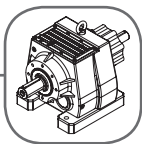
GA_0



GW_0

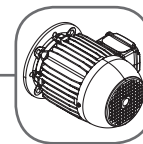
Duplex



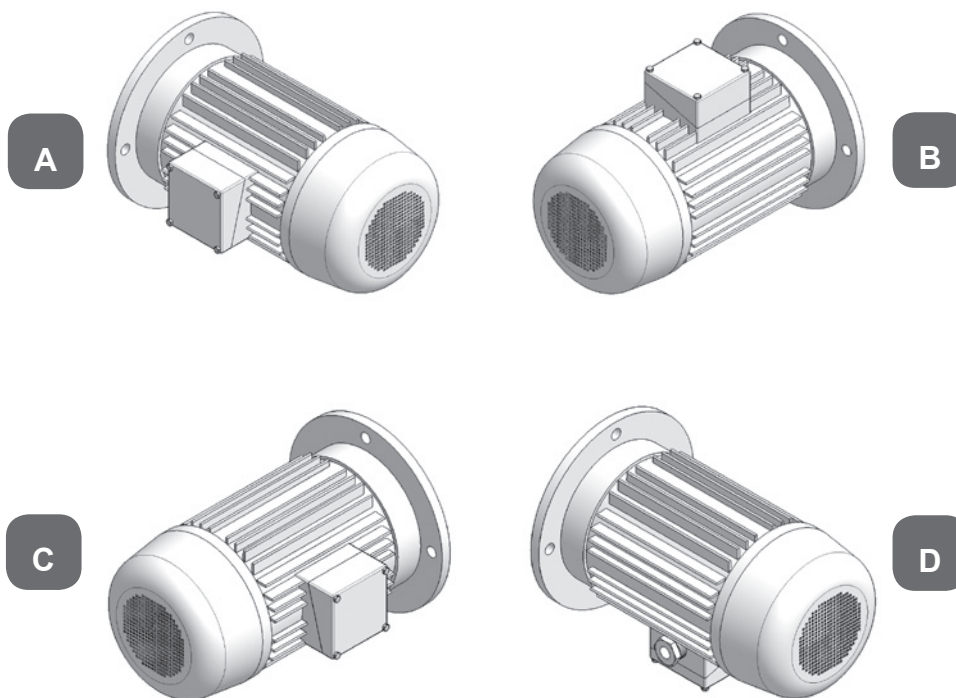


4

* Para motorreductores na posição de trabalho P4 (motores com forma construtiva V1 ou V18), recomendamos a utilização de motor elétrico com proteção defletora (calota), principalmente quando expostos ao tempo.



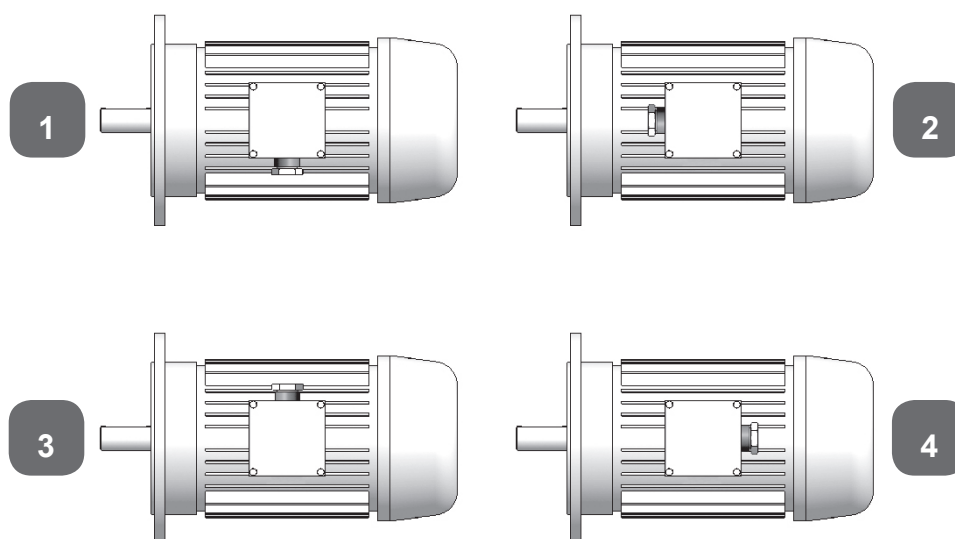
Posição da caixa de ligação



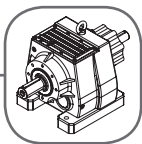
5

A caixa de ligação poderá ser montada conforme posições **A**, **B**, **C** e **D** olhando pela traseira do motor. Para a posição da caixa de ligação é considerado como referência a posição de trabalho P1 do redutor.

Posição da entrada dos cabos do motor



Os cabos de conexões serão disponíveis nas posições **1**, **2**, **3** e **4**, olhando de frente para a caixa de ligação. Posição caixa / cabos de ligação preferencial: A1 (itens mantidos em estoque).



A seleção de um tipo adequado e a determinação do tamanho do Motorreductor ou Redutor mais apropriado sempre poderão ser feitas com segurança, quando se levam devidamente em consideração todas as influências as quais o Motorreductor ou Redutor ficará exposto durante seu funcionamento.

A observância das informações que se seguem fará com que se evitem erros e consultas repetidas na escolha, além de assegurar uma alta segurança operacional e uma longa vida útil do acionamento selecionado.

Os Motorredutores e Redutores **COAXIAL** são calculados para um fator de serviço igual a 1 ($f_s=1$), isto é, um funcionamento livre de choques e um tempo de funcionamento diário de 10 horas. Para outras condições de trabalho necessitamos do fator de serviço "fa" de acordo com o indicado na tabela 1 da página 9; estes fatores de serviço são para um acionamento com até 6 partidas por hora. Com mais de 6 partidas, consultar a WEG-CESTARI.

Todos os Motorredutores e Redutores nas tabelas de potências trazem indicações das forças radiais e axiais admissíveis. Estas cargas são para condições normais de catálogo, considerando-se que a carga esteja atuando sobre o ponto central do comprimento da ponta do eixo. Outras informações sobre as forças externas admissíveis constam nas páginas 10 e 11.

Os momentos de inércia dos Redutores são relativamente pequenos em comparação com os momentos de inércia dos Motores elétricos, sendo portanto desprezíveis na maioria dos casos.

Os valores de rotação de saída (n2) dos Motorredutores indicados nas tabelas de potências são aproximados, estes dependem do tamanho do Motor e da carga relativa que incide sobre o mesmo, bem como da rede elétrica. Variações de até $\pm 4\%$ são admissíveis.

1) Determinação do tamanho do motorreductor ou reductor

I. Escolha do Motorreductor:

Conhecendo-se a potência necessária de acionamento "Pa" (kW) e a rotação de saída do Motorreductor "n2" (rpm) e com o fator de serviço "fa" obtido na tabela 1 da página 9, podemos escolher o Motorreductor diretamente nas tabelas de potência das páginas 12 até 77, cuidando-se para que:

$$\text{Fator de serviço do reductor} = f_s \geq f_a$$

II. Escolha do reductor:

Com a potência necessária de acionamento "Pa" (kW) e a rotação de saída do Redutor "n2" (rpm), determinamos o momento torçor de acionamento "Ma" (Nm) de acordo com a equação:

$$M_a = 9550 \cdot \frac{P_a}{n_2} \text{ (Nm)}$$

E de conformidade com a tabela 1 da página 9, aplica-se o fator de serviço "fa", para obtermos o momento torçor equivalente de acionamento "Me" (Nm):

$$M_e = M_a \cdot f_a$$

Para a seleção do Redutor devemos encontrar nas tabelas de potência das páginas 12 até 77, um tamanho de Redutor que atenda a condição:

$$\text{Momento torçor máx. admissível do Redutor} = M_{\max} \geq M_e$$

A rotação de entrada do Redutor "n1" (rpm) é obtida pela equação:

$$n_1 = n_2 \cdot \text{itot}$$

itot = redução total do Redutor

2) Verificação da Potência Térmica

É necessário verificar a Potência Térmica admissível do reductor ou motorreductor, conforme as fórmulas a seguir:

$$PT = PTG \cdot f_e \cdot f_b \cdot f_c \cdot f_t \cdot f_o$$

Onde:

- PT = Potência térmica admissível corrigida
- PTG = Potência térmica natural (ver tabela 1)
- fe = Fator temperatura ambiente (ver tabela 2)
- fb = Fator duração de operação (ver tabela 2)
- fc = Fator de ambiente (ver tabela 2)
- ft = Fator máxima temperatura do óleo (ver tabela 2)
- Fo = Fator de agitação do óleo (ver tabela 2)

Sendo que a potência térmica corrigida (PT) deve ser maior que a potência de acionamento (Pa).

$$P_a \leq PT$$

Caso não seja atendida essa condição, deverá ser aplicado sistema de refrigeração complementar por Trocador de Calor (sob consulta).

Tabela 1 - Potência Térmica Natural (PTG) - em kW

Estágios	Tamanho											
	51	52	53	54	55	56	58	60	62	64	66	68
2	11	13	18	19	22	27	44	63	83	101	136	197
3	5,5	6,8	9	10	11	14	22	32	42	51	69	99

Tabela 2 - Fatores para Potência Térmica

fe - Fator para temperatura ambiente							
Temperatura ambiente em °C	10°	18°	25°	30°	40°	43°	50°
Fator fe	1,15	1,07	1,00	0,93	0,83	0,75	0,67

fb - Fator de duração da operação					
% Tempo de operação/hora	100 (contínuo)	80	70	40	20
Fator fb	1,00	1,05	1,15	1,35	1,80

fc - Fator de ambiente	
Tipos de ambiente	Fator fc
Área aberta, fluxo de ar > 3,7m/s	1,40
Fechado em área grande, fluxo de ar > 1,4m/s	1,00
Fechado com pouco espaço, fluxo de ar > 0,5m/s	0,75

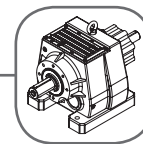
ft - Fator de máxima temperatura do óleo			
Máxima temperatura do óleo	85° C	95° C	100° C
Fator ft	0,81	1,00	1,13

fo - Fator de agitação do óleo					
Posição de Trabalho	Rotação de entrada do reductor				
	3500	1750	1150	870	500
P1 / P4	1,00	1,00	1,00	1,00	1,00
P3 / P5 / P6	0,63	0,86	0,95	0,97	1,00
P2	0,50	0,79	0,91	0,95	1,00

Rotações intermediárias, entre 500 e 3500rpm, podem ser obtidas por interpolação simples.

Observações:

- 1) Para temperatura ambiente acima de 40° C, é recomendado o uso de óleo sintético (ver catálogo)
- 2) Para temperatura ambiente abaixo de 8° C, é recomendado o uso de óleo sintético (sob consulta)
- 3) Para temperatura do óleo superior a 95° C, é necessário o uso de óleo sintético (sob consulta)
- 4) Rotação máxima admissível na entrada do reductor, ver tabelas de características técnicas



3) Escolha da posição de trabalho

De acordo com a página 5.

4) Escolha da execução

De acordo com a coluna execução nas tabelas de dimensões das páginas 95 a 166 para Motorredutores e Redutores.

5) Escolha da posição da caixa de ligação e de entrada dos cabos do motor

De acordo com a página 6.

6) Verificação dos esforços externos

Quando for montado um elemento de transmissão (polias, engrenagens, pinhões de corrente, etc.) no eixo do Motorreductor ou Redutor devemos verificar a máxima carga externa radial e axial admissível. (ver pág. 10 e 11)

7) Denominação do reductor

De acordo com a página 3.

8) Exemplo

MOTORREDUTOR	C52331 NW00 CNW P1 1 A1	(pág. 30)
Redução	34,2	
Tamanho do Redutor	52	
Rotação de saída	51,2 rpm	
Fator de serviço	1,43	
Código do Motor	CNW (carcaça 71, pág. 94)	
Potência do Motor	0.75 kW	
Execução	NW00	
Posição de trabalho	1 (página 5)	
Posição da caixa de ligação e entrada dos cabos do Motor	A1 (página 6)	

1) Informações para seleção dos motorredutores e redutores

6

- Tipo de máquina a ser acionada
Potência nominal em kW, Rotação em rpm
Redução total desejada
- Momento de inércia "J" a serem acionados
Tipo de funcionamento (uniforme, com choques moderados ou fortes)
- Tempo de funcionamento diário em horas
Ciclos de trabalho
- Condições ambientais
Temperatura ambiente, humidade, gases corrosivos, ambientes sujos, etc.
- Força radial e axial externas (ver páginas 10 e 11)
- Partidas por horas
- Posição de trabalho (ver página 5)
- Execução
Conforme coluna execução nas tabelas de dimensões
- Tensão elétrica em volts
- Posição da caixa de ligação e de entrada dos cabos do Motor (ver página 6)
- Tipos e dimensões dos elementos montados no eixo do Redutor: polia, engrenagens, pinhões de corrente, etc.

2) Exemplo de cálculo e seleção:

Selecionar um motorreductor **COAXIAL** para acionamento de um Transportador de Correia para minérios.

Dados conhecidos

- Potência de acionamento	Pa = 9,2kW
- Rotação de saída desejada	n2=50 rpm
- Período de funcionamento	t = 24 horas, serviço contínuo
- Temperatura ambiente	40° C
- Máx. temperatura do óleo desejada	95° C
- Ambiente	Área externa, ventilada
- Posição de trabalho	P1

Solução

Na tabela 3 obtemos o Fator de Serviço:

- Equipamento acionado:	Transportador de Correia
- Classe de carga:	Choques moderados
- Tempo de funcionamento:	24 horas
- Fator de serviço:	fa = 1,5

Conforme a tabela de potência Pa = 9,2kW da pág. 59 selecionamos para a condição fs > fa o motorreductor C60331 ____ KNW, que nos fornece:

Tamanho do reductor	60
Rotação de saída	n2 = 52 rpm
Potência do motor	Pa = 9,2kW
Código do motor	KNW
Fator de serviço do reductor	fs = 1,78 > fa

É necessário verificar a potência térmica do reductor.

Condição: Pa < PT

Onde: PT = PTG.fe.fb.fc.ft.fo

PA =	9,2kW
PTG =	32kW (vide tabela 1 – pág.7)
Fe =	0,83 (temperatura ambiente 40° C)
Fb =	1,00 (serviço contínuo)
Fc =	1,40 (ambiente aberto, fluxo de > 3,7 m/s)
Ft =	1,00 (temperatura máxima do óleo 95° C)
Fo =	1,00 (posição de trabalho P1, motor de 1750 rpm)

$$9,2 < 35 \times 0,83 \times 1,00 \times 1,40 \times 1,00 \times 1,00$$

$$9,2 < 37,18 \text{ kW} \quad : \quad \text{OK}$$

Portanto, essa aplicação não necessita de sistema de refrigeração complementar.

Para uma seleção completa do Motorreductor deve-se determinar a execução, posição da caixa de ligação e entrada dos cabos do motor.

Exemplo de especificação completa

Código:	C60331NA00KNW
Posição de trabalho:	P1
Posição da caixa de ligação:	A
Posição da entrada dos cabos:	1

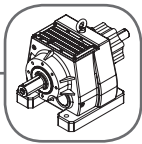


Tabela 3

Fator de serviço (fa)

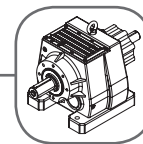
U Cargas uniformes
M Choques moderados
F Choques fortes

Aplicação	Classe de carga	Aplicação	Classe de carga	Aplicação	Classe de carga
Agitadores		Dragas		Máquinas operatrizes	
Líquidos puros	U	Guinchos, transportadores e bombas	M	Acionamento principal - Cargas pesadas	F
Líquidos de densidade consistente	M	Cabeçotes rotativos e peneiras	F	Acionamento principal - Cargas uniformes	M
Líquidos de densidade variável	M	Esteira de translação	F	Acionamento auxiliar	U
Alimentadores		Elevadores		Rosqueadoras	F
Alimentadores de rosca	M	Caçambas - cargas uniformes	U	Misturadores	
Transportadores (esteira e correia)	M	Caçambas - cargas pesadas	F	Betoneiras	M
Ascensores		Elevadores de carga	M	Borracha	F
Sorilhos de elevação	F	Elevadores de canecas carregadas normalmente	U	Polpa de papel	M
Máquinas de extração	F	Elevadores de canecas muito carregadas	M	Fluidos com substâncias sólidas	M
Monta - cargas solicitadas normalmente	M	Elevadores para pessoas**	**	Fluidos limpos	U
Monta - cargas solicitadas fortemente	F	Engarrafadoras e Enlatadoras		Moinhos Rotativos	
Monta - cargas inclinadas	F			De bolas e rolos	F
Bobinadoras		Fornos Rotativos		De martelos	F
Metal	M			Papel	
Papel	M	Geradores		Agitadores misturadores, alvejadores, batedores, despaldadores, calandras e prensas	M
Têxtil	U	Alternadores	U	Supercalandras*	*
Bombas		Conversores de frequência	F	Descascadores hidráulicos e mecânicos	M
Centrífugas - líq. de baixa viscosidade	U	Guinchos e Guindastes		Tambores descascadores	F
Centrífugas - líq. de alta viscosidade	M	Elevação moderada	M	Esticadores de feltro	M
Dupla ação, multicilíndricas	M	Elevação pesada	F	Secadores	F
Recíprocos de descarga livre	M	Giro	M	Peneiras	
Rotativas a engrenagens	U	Translação	F	Peneiras horizontais	M
Pistão submerso	F	Indústrias Açucareiras		Peneiras para filtragem do ar	U
Pressão	F	Moendas*	*	Peneiras rotativas para pedras e areia	M
Borracha e Plástico		Facas de cana*	*	Pontes rolantes	
Calandras*	*	Cristalizadores	F	Acionamento do carro e da ponte	F
Equipamentos de laboratório	M	Indústrias Alimentícias		Acionamento do guincho	U
Extrusoras*	*	Cozinhadores de cereais	M	Saneamento	
Laminadores	F	Misturadores de massa, moedores de carne, picadores	M	Aeradores	F
Máquinas de placas	M	Centrífugas ligeiras	M	Alimentadores, bombas, decantadores	U
Máquinas de tubo e peneiras	M	Centrífugas pesadas	F	Filtros mexedores e peneiras	M
Moinhos cilíndricos 2 em linha*	*	Indústrias Madeireiras		Clarificadores	U
Moinhos cilíndricos 3 em linha*	*	Alimentadores de plaina	M	Secadores e resfriadores rotativos	
Refinadores*	*	Serras, tambores despaldadores, transportadores de toras	F	Produtos alimentícios, Bagaça	M
Trituradores e misturadores*	*	Máquinas p/ trabalhar madeira em geral	M	Torres de refrigeração**	
Britadores		Indústrias Metalúrgicas			
Pedras e minerais	F	Cortadores de chapa rotativas	M	Transportadores	
Cerâmica		Cortadores de chapa de faca	F	Caçamba, correia, corrente, esteira, rosca:	
Amassadores de barro	M	Viradeiras	F	- Cargas uniformes	U
Extrusoras e misturadores	M	Trefilas	M	- Cargas pesadas e interminentes	M
Moinhos de barro*	*	Desempenadeiras a rolos	F	Transmissões	
Prensas de tijolos e ladrilhos	F	Enroladores de fitas ou bobinadoras de chapas	F	Transmissões ligeiras	U
Cimento		Laminadores	F	Transmissões para acionamentos de máquinas ferramentas	M
Britadores de mandíbulas	F	Máquinas de soldar tubos	F	Ventiladores	
Moinhos rotativos*	*	Indústrias de óleo		Centrífugas	U
Moinhos de bolas e rolos*	*	Prensas - filtros de parafina	M	Para minas	F
Classificadores Rotativos		Bombas de pipe-line	M	Para torres de refrigeração	M
		Máquinas de refinação	M	Tempo máximo de funcionamento diário	
Compressores		Instalações de perfuradores rotativos	F		
Centrífugos	U	Indústrias têxteis			
Êmbolo giratório	M	Calandras, cardas, filatórios, retorcedeiras, maçarocadeiras e máquinas de tinturaria	M	Até 3 horas	0,8 1,0 1,5
Pistão (um cilindro)	F	Lavanderias		Até 10 horas	1,0 1,25 1,75
Pistão (2 cilindros) coeficiente de irregularidade < 1:100	F	Secadores rotativos	M	24 horas	1,25 1,5 2,0
Destilarias		Máquinas de lavar roupa	M		
Cozinhadores - serviço contínuo	U	Acionamento de grêlhas móveis	F		
Tachas de fermentação- serviço contínuo	U				
Misturadores	U				

*Fator de serviço mínimo recomendado: 2,00

** Para torres de refrigeração e elevadores de pessoas, deve ser analisado redutor específico.

7



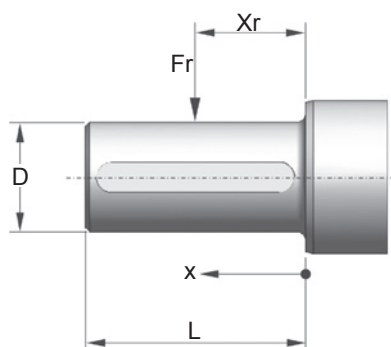
Forças radiais admissíveis

Quando a transmissão de força for através de acoplamento elástico, não ocorrerá força radial e axial no eixo do Redutor. Entretanto, se a transmissão for por intermédio de elementos montados no eixo (engrenagens, pinhões de corrente ou polias), será constatado a existência de cargas radiais e/ou axiais.

Usando as tabelas de Potências (motorredutores - páginas 12 até 77) ou tabelas de Características Técnicas (redutores - páginas 79 até 93) obtém-se as cargas radiais admissíveis no eixo do Redutor. Forças axiais até 50% das forças radiais admissíveis podem ser absorvidas simultaneamente com as forças radiais.

Os valores das forças radiais indicados nas tabelas referem-se a carga aplicada no centro do comprimento "L" (figura abaixo). Quando a distância de aplicação "x" for diferente de "Xr" deverá haver um recálculo conforme fórmulas e tabelas abaixo; se a carga radial for aplicada a uma distância "x" menor que "Xr", e o seu valor igual ou menor que o admissível, não haverá necessidade de recálculo.

Determinação da força radial admissível no ponto x: F(x)



a) F1 (x) baseada no tempo de vida do rolamento:

$$F1(x) = \frac{k}{m + x} \cdot Fr \quad [N]$$

b) F2 (x) baseada em flexão máxima do eixo:

$$F2(x) = \frac{1000 \cdot n}{p + x} \quad [N]$$

8

Tabela 4 - Carga radial (Fr) em N - Eixo de entrada (2, 3 estágios)

Redução	51	52	53	54	55	56	58	60	62	64	66	68
até 4,5	200	300	-	400	500	600	700	800	1500	2000	3000	4000
>4,5 a 6,3	300	400	-	600	700	800	1000	1200	2000	2500	3500	4400
>6,3 a 9	500	600	-	800	900	1200	1500	1800	2200	3000	4200	5000
>9 a 18	800	900	-	1000	1100	1600	2200	2500	3500	4000	5000	5400
>18 a 35,5	900	1100	-	1200	1400	1800	2400	3000	4000	5200	5800	7000
>35,5 a 90	1200	1400	-	1500	1600	2000	2600	3500	5000	6300	6500	9000
>90 a 180	1400	1800	-	1800	1800	2200	2800	4200	6000	7800	8000	15000

*Tamanho 53 sob consulta.

Tabela 5

Valores para recálculo de cargas radiais no eixo de saída

Tamanho	k	m	n	p	D	L
51	140	115	180,6	18	25	50
52	150	120	245	20	30	60
53	150	120	271	20	30	60
54	160	125	404,7	22	35	70
55	170	135	472	24	35	70
56	180	135	693	25	45	90
58	225	175	1248	28	50	100
60	252	192	1710	30	60	120
62	300	230	2958	32	70	140
64	350	265	7049	48	90	170
66	380	275	9920	55	110	210
68	410	305	19800	60	120	210

* Força radial na entrada pode ser aumentada considerando mancal reforçado - consultar.

Tabela 6

Valores para recálculo de cargas radiais no eixo de entrada

Tamanho	k	m	n	p	D	L
51	110	90	53,2	18	19	40
52	130	110	72	20	19	40
53	-	-	-	-	-	-
54	150	130	75,6	22	19	40
55	160	140	79,2	24	19	40
56	170	140	121	25	28	60
58	210	170	190,4	28	38	80
60	245	205	294	30	42	80
62	280	225	522	32	55	110
64	290	235	702	35	55	110
66	330	260	880	40	70	140
68	370	300	1690	42	70	140

*Tamanho 53 sob consulta.

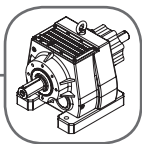


Tabela 7 - Carga radial (Fr) em N - Eixo de entrada (4, 5 e 6 estágios)

Estágios	51,52	53	54, 55, 56	58, 60	62, 64	66	68
4	300	-	400	600	800	2200	3500
5	800	-	900	1000	1600	1200	1800
6	1400	-	1800	1800	2200	1800	3000

*Tamanho 53 sob consulta.

Tabela 8

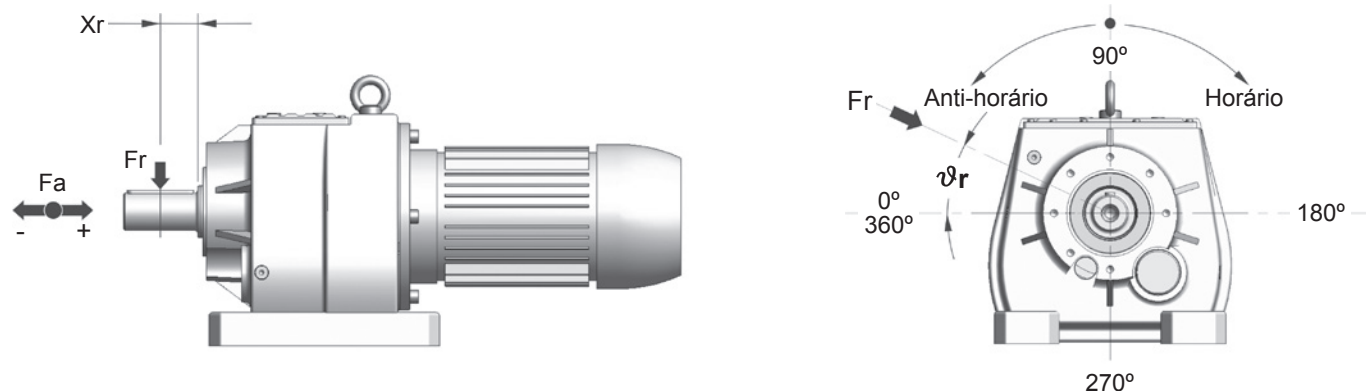
Valores para recálculo de cargas radiais no eixo de entrada para redutores duplex

Tamanho	k	m	n	p	D	L
51, 52	110	90	53,2	18	19	40
53	-	-	-	-	-	-
54, 55, 56	130	110	72	20	19	40
58, 60	150	130	75,6	22	19	40
62, 64, 665, 666	170	140	121	25	28	60
664	210	170	190,4	28	38	80
685, 686	254	205	294	30	42	80
684	280	225	522	32	55	110

*Tamanho 53 sob consulta.

As forças radiais máximas admissíveis aos eixos de saída relacionadas nas tabelas de potência foram calculadas para as condições mais desfavoráveis de aplicação.

Forças radiais maiores poderão ser absorvidas conhecendo-se o ângulo exato de aplicação ϑ_r e o sentido de rotação (figura abaixo), nestas condições pedimos que nos consultem.



Diâmetro mínimo admissível para o elemento de transmissão montado no eixo:

Em conjunto com a carga radial obtida, o menor diâmetro admissível para o elemento de transmissão (engrenagens, pinhões de corrente ou polias) pode ser calculado usando a seguinte fórmula:

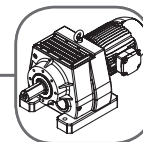
Valores para o fator Kr

Correia plana com esticador	2,5
Correia plana sem esticador	5
Correia trapezoidal sem esticador	1,75
Corrente de rolos ou corrente silenciosa	1,4
Engrenagens	1,15

$$D_{min} = \frac{2.000 \cdot Mc}{Fr} \cdot Kr$$

Onde

- Dmin = Diâmetro mínimo admissível (mm)
- Mc = Momento a ser transmitido (Nm)
- Fr = Carga radial admissível no eixo de saída do redutor (N)
- Kr = Fator adicional



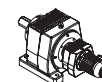
0,12 kW - 1750 rpm



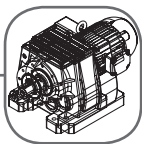
rpm	i_{tot}	fs	Fr (N)	código	páginas
428	4,09	29,89	900	C51212	100 a 102
349	5,01	29,24	900	C51214	100 a 102
306	5,72	29,36	800	C51215	100 a 102
267	6,57	29,31	800	C51216	100 a 102
248	7,05	29,24	800	C51217	100 a 102
235	7,45	28,68	900	C51218	100 a 102
191	9,14	23,38	800	C51219	100 a 102
168	10,4	20,49	900	C51220	100 a 102
146	12,0	17,86	1800	C51221	100 a 102
136	12,9	14,25	1900	C51222	100 a 102
126	13,9	14,24	2100	C51223	100 a 102
110	15,9	13,45	2200	C51224	100 a 102
97,4	18,0	11,90	2400	C51225	100 a 102
86,8	20,2	10,61	2500	C51226	100 a 102
75,5	23,2	9,22	2600	C51227	100 a 102
70,0	25,0	8,55	2800	C51228	100 a 102
63,8	27,4	7,79	2900	C51229	100 a 102
80,3	21,8	9,82	2950	C51327	100 a 102
67,2	26,0	8,21	3100	C51328	100 a 102
59,5	29,4	7,27	3200	C51329	100 a 102
55,1	31,8	6,73	3300	C51330	100 a 102
51,7	33,8	6,32	3500	C51331	100 a 102
43,3	40,4	5,29	3600	C51332	100 a 102
38,3	45,6	4,68	3800	C51333	100 a 102
35,5	49,3	4,33	3900	C51334	100 a 102
32,3	54,1	3,95	4100	C51335	100 a 102
28,0	62,5	3,42	4200	C51336	100 a 102
24,6	71,1	3,00	4200	C51337	100 a 102
21,8	80,1	2,67	4200	C51338	100 a 102
18,8	92,9	2,30	4200	C51339	100 a 102
17,4	100	2,13	4200	C51340	100 a 102
15,8	111	1,93	4200	C51341	100 a 102
27,7	63,1	5,81	4200	C52336	103 a 105
24,4	71,8	5,10	4200	C52337	103 a 105
21,6	80,9	4,53	4200	C52338	103 a 105
18,7	93,8	3,91	4200	C52339	103 a 105
17,3	101	3,61	4200	C52340	103 a 105
15,6	112	3,27	4200	C52341	103 a 105
19,8	88,3	5,19	5420	C53339	106
17,7	98,7	4,64	5420	C53340	106
15,8	111,0	4,13	5420	C53341	106
13,9	126,0	3,64	5420	C53342	106
12,1	144,5	3,17	5420	C53343	106
11,3	155,5	2,95	5420	C53344	106
12,2	144	4,78	7100	C54343	107 a 109
11,1	158	4,36	7100	C54344	107 a 109



0,12 kW - 1750 rpm



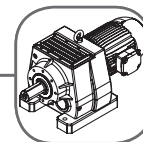
13,2	132	1,62	2500	C51442	134 a 136
12,3	142	1,50	2500	C51443	134 a 136
11,7	150	1,42	2500	C51444	134 a 136
9,50	184	1,16	2500	C51445	134 a 136
8,32	210	1,02	2500	C51446	134 a 136



0,12 kW - 1750 rpm



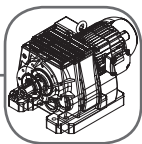
rpm	i_{tot}	fs	Fr (N)	código	páginas
7,25	241	0,89	2500	C51447	134 a 136
6,75	259	0,83	2500	C51448	134 a 136
6,23	281	0,76	2500	C51449	134 a 136
13,1	134	2,29	2500	C52442	137 a 139
12,2	143	2,13	2500	C52443	137 a 139
11,5	152	2,01	2500	C52444	137 a 139
9,41	186	1,64	2500	C52445	137 a 139
8,24	212	1,44	2500	C52446	137 a 139
7,18	244	1,25	2500	C52447	137 a 139
6,69	262	1,17	2500	C52448	137 a 139
6,17	284	1,08	2500	C52449	137 a 139
5,41	323	0,94	2500	C52450	137 a 139
4,79	365	0,84	2500	C52451	137 a 139
10,4	169	4,08	4700	C54445	140 a 142
8,47	207	3,32	4700	C54446	140 a 142
7,42	236	2,91	4700	C54447	140 a 142
6,46	271	2,54	4700	C54448	140 a 142
6,02	291	2,36	4700	C54449	140 a 142
5,55	315	2,18	4700	C54450	140 a 142
4,87	360	1,91	4700	C54451	140 a 142
4,31	406	1,69	4700	C54452	140 a 142
3,84	456	1,51	4700	C54453	140 a 142
3,34	524	1,31	4700	C54454	140 a 142
3,10	565	1,22	4700	C54455	140 a 142
2,66	658	1,04	7100	C54556	140 a 142
2,55	688	1,00	7100	C54557	140 a 142
2,07	843	0,81	7100	C54558	140 a 142
8,35	210	4,37	8000	C55446	143 a 145
7,32	239	3,83	8000	C55447	143 a 145
6,38	274	3,34	8000	C55448	143 a 145
5,94	295	3,11	8000	C55449	143 a 145
5,48	320	2,87	8000	C55450	143 a 145
4,80	365	2,51	8000	C55451	143 a 145
4,25	412	2,23	8000	C55452	143 a 145
3,79	462	1,98	8000	C55453	143 a 145
3,29	532	1,72	8000	C55454	143 a 145
3,23	541	1,69	7500	C55555	143 a 145
2,82	621	1,48	7500	C55556	143 a 145
2,51	697	1,31	7500	C55557	143 a 145
2,05	855	1,07	7500	C55559	143 a 145
1,79	976	0,94	7500	C55560	143 a 145
1,56	1.120	0,82	7500	C55561	143 a 145
6,32	277	4,52	8800	C56449	146 a 148
5,51	318	3,94	8800	C56450	146 a 148
5,13	341	3,67	8800	C56451	146 a 148
4,73	370	3,38	8800	C56452	146 a 148
4,15	422	2,97	8800	C56453	146 a 148
3,67	477	2,63	8800	C56454	146 a 148
3,27	535	2,34	8800	C56455	146 a 148
2,84	616	2,03	8800	C56456	146 a 148
2,28	766	1,63	9900	C56557	146 a 148
2,13	823	1,52	9900	C56558	146 a 148



0,12 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
2,04	860	1,46	9900	C56559	146 a 148
1,66	1.055	1,19	9900	C56560	146 a 148
1,45	1.204	1,04	9900	C56562	146 a 148
1,18	1.483	0,84	9900	C56563	146 a 148
3,18	551	4,30	9400	C58455	149 a 151
2,63	665	3,56	9400	C58456	149 a 151
2,27	769	3,08	16000	C58558	149 a 151
1,98	883	2,68	16000	C58559	149 a 151
1,78	985	2,40	16000	C58560	149 a 151
1,64	1.066	2,22	16000	C58561	149 a 151
1,36	1.288	1,84	16000	C58562	149 a 151
1,17	1.490	1,59	16000	C58563	149 a 151
0,993	1.762	1,34	16000	C58565	149 a 151
0,885	1.976	1,20	16000	C58566	149 a 151
0,747	2.343	1,01	16000	C58567	149 a 151
0,695	2.518	0,94	16000	C58568	149 a 151
0,619	2.828	0,84	16000	C58569	149 a 151
1,81	965	4,75	19000	C60560	152 a 154
1,50	1.167	3,93	19000	C60561	152 a 154
1,30	1.350	3,39	19000	C60562	152 a 154
1,10	1.597	2,87	19000	C60563	152 a 154
0,977	1.790	2,56	19000	C60565	152 a 154
0,825	2.122	2,16	19000	C60566	152 a 154
0,767	2.281	2,01	19000	C60567	152 a 154
0,683	2.562	1,79	19000	C60568	152 a 154
0,692	2.528	1,81	19000	C60668	152 a 154
0,564	3.101	1,48	19000	C60670	152 a 154
0,495	3.539	1,29	19000	C60671	152 a 154
0,431	4.060	1,13	19000	C60672	152 a 154
0,401	4.360	1,05	19000	C60673	152 a 154
0,357	4.899	0,94	19000	C60674	152 a 154
1,02	1.708	4,02	29000	C62565	155 a 157
0,897	1.951	3,52	29000	C62566	155 a 157
0,763	2.292	3,00	29000	C62567	155 a 157
0,686	2.552	2,69	29000	C62568	155 a 157
0,583	3.004	2,29	29000	C62569	155 a 157
0,578	3.027	2,27	29000	C62670	155 a 157
0,535	3.273	2,10	29000	C62671	155 a 157
0,442	3.957	1,74	29000	C62672	155 a 157
0,382	4.576	1,50	29000	C62673	155 a 157
0,358	4.884	1,41	29000	C62674	155 a 157
0,321	5.448	1,26	29000	C62675	155 a 157
0,297	5.892	1,17	29000	C62676	155 a 157
0,246	7.123	0,96	29000	C62677	155 a 157
0,212	8.238	0,83	29000	C62678	155 a 157
0,614	2.850	4,29	53000	C64569	158 a 160
0,563	3.106	3,93	53000	C64670	158 a 160
0,466	3.755	3,25	53000	C64671	158 a 160
0,403	4.342	2,81	53000	C64672	158 a 160
0,378	4.634	2,64	53000	C64673	158 a 160



0,12 kW - 1750 rpm



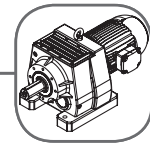
rpm	itot	fs	Fr (N)	código	páginas
0,338	5.170	2,36	53000	C64674	158 a 160
0,313	5.591	2,19	53000	C64675	158 a 160
0,259	6.759	1,81	53000	C64677	158 a 160
0,189	9.246	1,32	53000	C64679	158 a 160
0,169	10.369	1,18	53000	C64680	158 a 160
0,142	12.291	0,99	53000	C64682	158 a 160
0,118	14.835	0,82	53000	C64683	158 a 160
0,400	4.370	4,54	62000	C66673	161 a 163
0,346	5.054	3,93	62000	C66674	161 a 163
0,324	5.394	3,68	62000	C66675	161 a 163
0,291	6.017	3,30	62000	C66676	161 a 163
0,222	7.866	2,52	62000	C66678	161 a 163
0,192	9.098	2,18	62000	C66679	161 a 163
0,163	10.761	1,84	62000	C66681	161 a 163
0,145	12.068	1,64	62000	C66682	161 a 163
0,122	14.305	1,39	62000	C66683	161 a 163
0,114	15.373	1,29	62000	C66684	161 a 163
0,101	17.267	1,15	62000	C66685	161 a 163
0,091	19.318	1,03	62000	C66686	161 a 163
0,081	21.576	0,92	62000	C66687	161 a 163
0,071	24.617	0,81	62000	C66688	161 a 163
0,292	5.989	4,59	120000	C68675	167 a 169
0,247	7.092	3,88	120000	C68677	167 a 169
0,226	7.736	3,55	120000	C68678	167 a 169
0,195	8.983	3,06	120000	C68679	167 a 169
0,166	10.569	2,60	120000	C68680	167 a 169
0,151	11.584	2,37	120000	C68681	167 a 169
0,136	12.863	2,14	120000	C68682	167 a 169
0,126	13.903	1,98	120000	C68683	167 a 169
0,110	15.839	1,74	120000	C68684	167 a 169
0,098	17.772	1,55	120000	C68685	167 a 169
0,085	20.662	1,33	120000	C68686	167 a 169
0,077	22.849	1,20	120000	C68687	167 a 169
0,065	26.950	1,02	120000	C68688	167 a 169
0,061	28.567	0,96	120000	C68689	167 a 169



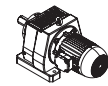
0,18 kW - 1750 rpm



428	4,09	19,93	900	C51212	100 a 102
349	5,01	19,49	900	C51214	100 a 102
306	5,72	19,57	800	C51215	100 a 102
267	6,57	19,54	800	C51216	100 a 102
248	7,05	19,49	800	C51217	100 a 102
235	7,45	19,12	900	C51218	100 a 102
191	9,14	15,59	800	C51219	100 a 102
168	10,4	13,66	900	C51220	100 a 102
146	12,0	11,90	1800	C51221	100 a 102
136	12,9	9,50	1900	C51222	100 a 102
126	13,9	9,49	2100	C51223	100 a 102
110	15,9	8,96	2200	C51224	100 a 102
97,4	18,0	7,94	2400	C51225	100 a 102
86,8	20,2	7,07	2500	C51226	100 a 102
75,5	23,2	6,15	2600	C51227	100 a 102
70,0	25,0	5,70	2800	C51228	100 a 102
63,8	27,4	5,20	2900	C51229	100 a 102



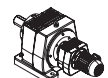
0,18 kW - 1750 rpm



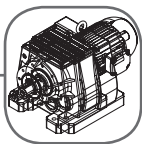
rpm	ítot	fs	Fr (N)	código	páginas
80,3	21,8	6,54	2950	C51327	100 a 102
67,2	26,0	5,47	3100	C51328	100 a 102
59,5	29,4	4,85	3200	C51329	100 a 102
55,1	31,8	4,49	3300	C51330	100 a 102
51,7	33,8	4,21	3500	C51331	100 a 102
43,3	40,4	3,52	3600	C51332	100 a 102
38,3	45,6	3,12	3800	C51333	100 a 102
35,5	49,3	2,89	3900	C51334	100 a 102
32,3	54,1	2,63	4100	C51335	100 a 102
28,0	62,5	2,28	4200	C51336	100 a 102
24,6	71,1	2,00	4200	C51337	100 a 102
21,8	80,1	1,78	4200	C51338	100 a 102
18,8	92,9	1,53	4200	C51339	100 a 102
17,4	100	1,42	4200	C51340	100 a 102
15,8	111	1,29	4200	C51341	100 a 102
42,9	40,8	5,73	4200	C52332	103 a 105
38,0	46,1	5,30	4200	C52333	103 a 105
35,1	49,8	4,91	4200	C52334	103 a 105
32,0	54,6	4,47	4200	C52335	103 a 105
27,7	63,1	3,87	4200	C52336	103 a 105
24,4	71,8	3,40	4200	C52337	103 a 105
21,6	80,9	3,02	4200	C52338	103 a 105
18,7	93,8	2,61	4200	C52339	103 a 105
17,3	101	2,41	4200	C52340	103 a 105
15,6	112	2,18	4200	C52341	103 a 105
30,9	56,7	5,39	5420	C53335	106
28,1	62,2	4,91	5420	C53336	106
24,4	71,8	4,25	5420	C53337	106
22,0	79,5	3,84	5420	C53338	106
19,8	88,3	3,46	5420	C53339	106
17,7	98,7	3,09	5420	C53340	106
15,8	111,0	2,75	5420	C53341	106
13,9	126,0	2,42	5420	C53342	106
12,1	144,5	2,11	5420	C53343	106
11,3	155,5	1,96	5420	C53344	106
17,0	103	4,44	7100	C54340	107 a 109
15,1	116	3,96	7100	C54341	107 a 109
13,1	133	3,44	7100	C54342	107 a 109
12,2	144	3,19	7100	C54343	107 a 109
11,1	158	2,91	7100	C54344	107 a 109
13,0	135	4,52	7500	C55342	110 a 112
12,0	146	4,19	7500	C55343	110 a 112
11,0	160	3,82	7500	C55344	110 a 112
9,57	183	4,56	9900	C56345	113 a 115
8,82	198	4,21	9900	C56346	113 a 115



0,18 kW - 1750 rpm



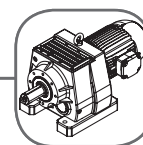
13,2	132	1,1	2500	C51442	134 a 136
12,3	142	1,0	2500	C51443	134 a 136
11,7	150	0,9	2500	C51444	134 a 136
9,50	184	0,8	2500	C51445	134 a 136



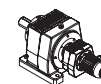
0,18 kW - 1750 rpm



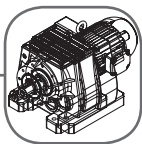
rpm	i_{tot}	fs	Fr (N)	código	páginas
13,1	134	1,52	2500	C52442	137 a 139
12,2	143	1,42	2500	C52443	137 a 139
11,5	152	1,34	2500	C52444	137 a 139
9,41	186	1,09	2500	C52445	137 a 139
8,24	212	0,96	2500	C52446	137 a 139
7,18	244	0,84	2500	C52447	137 a 139
10,4	169	2,72	4700	C54445	140 a 142
8,47	207	2,22	4700	C54446	140 a 142
7,42	236	1,94	4700	C54447	140 a 142
6,46	271	1,69	4700	C54448	140 a 142
6,02	291	1,58	4700	C54449	140 a 142
5,55	315	1,45	4700	C54450	140 a 142
4,87	360	1,27	4700	C54451	140 a 142
4,31	406	1,13	4700	C54452	140 a 142
3,84	456	1,01	4700	C54453	140 a 142
3,34	524	0,87	4700	C54454	140 a 142
3,10	565	0,81	4700	C54455	140 a 142
10,2	171	3,57	8000	C55445	143 a 145
8,35	210	2,91	8000	C55446	143 a 145
7,32	239	2,55	8000	C55447	143 a 145
6,38	274	2,23	8000	C55448	143 a 145
5,94	295	2,07	8000	C55449	143 a 145
5,48	320	1,91	8000	C55450	143 a 145
4,80	365	1,68	8000	C55451	143 a 145
4,25	412	1,48	8000	C55452	143 a 145
3,79	462	1,32	8000	C55453	143 a 145
3,29	532	1,15	8000	C55454	143 a 145
3,23	541	1,13	7500	C55555	143 a 145
2,82	621	0,98	7500	C55556	143 a 145
2,51	697	0,88	7500	C55557	143 a 145
7,21	243	3,44	8800	C56448	146 a 148
6,32	277	3,01	8800	C56449	146 a 148
5,51	318	2,63	8800	C56450	146 a 148
5,13	341	2,45	8800	C56451	146 a 148
4,73	370	2,26	8800	C56452	146 a 148
4,15	422	1,98	8800	C56453	146 a 148
3,67	477	1,75	8800	C56454	146 a 148
3,27	535	1,56	8800	C56455	146 a 148
2,84	616	1,36	8800	C56456	146 a 148
2,28	766	1,09	9900	C56557	146 a 148
2,13	823	1,01	9900	C56558	146 a 148
2,04	860	0,97	9900	C56559	146 a 148
5,00	350	4,51	9400	C58451	149 a 151
4,23	414	3,81	9400	C58452	149 a 151
3,77	464	3,40	9400	C58454	149 a 151
3,18	551	2,87	9400	C58455	149 a 151
2,63	665	2,37	9400	C58456	149 a 151
2,27	769	2,05	16000	C58558	149 a 151
1,98	883	1,79	16000	C58559	149 a 151
1,78	985	1,60	16000	C58560	149 a 151
1,64	1.066	1,48	16000	C58561	149 a 151
1,36	1.288	1,22	16000	C58562	149 a 151
1,17	1.490	1,06	16000	C58563	149 a 151
0,993	1.762	0,90	16000	C58565	149 a 151



0,18 kW - 1750 rpm



rpm	i _{tot}	fs	Fr (N)	código	páginas
0,885	1.976	0,80	16000	C58566	149 a 151
2,51	697	4,38	19000	C60557	152 a 154
2,19	800	3,82	19000	C60558	152 a 154
1,96	893	3,42	19000	C60559	152 a 154
1,81	965	3,16	19000	C60560	152 a 154
1,50	1.167	2,62	19000	C60561	152 a 154
1,30	1.350	2,26	19000	C60562	152 a 154
1,10	1.597	1,91	19000	C60563	152 a 154
0,977	1.790	1,71	19000	C60565	152 a 154
0,825	2.122	1,44	19000	C60566	152 a 154
0,767	2.281	1,34	19000	C60567	152 a 154
0,683	2.562	1,19	19000	C60568	152 a 154
0,692	2.528	1,21	19000	C60668	152 a 154
0,564	3.101	0,98	19000	C60670	152 a 154
0,495	3.539	0,86	19000	C60671	152 a 154
1,60	1.097	4,18	29000	C62561	155 a 157
1,46	1.199	3,82	29000	C62562	155 a 157
1,30	1.350	3,39	29000	C62563	155 a 157
1,02	1.708	2,68	29000	C62565	155 a 157
0,897	1.951	2,35	29000	C62566	155 a 157
0,763	2.292	2,00	29000	C62567	155 a 157
0,686	2.552	1,80	29000	C62568	155 a 157
0,583	3.004	1,53	29000	C62569	155 a 157
0,578	3.027	1,51	29000	C62670	155 a 157
0,535	3.273	1,40	29000	C62671	155 a 157
0,442	3.957	1,16	29000	C62672	155 a 157
0,382	4.576	1,00	29000	C62673	155 a 157
0,358	4.884	0,94	29000	C62674	155 a 157
0,321	5.448	0,84	29000	C62675	155 a 157
0,945	1.852	4,40	53000	C64565	158 a 160
0,805	2.175	3,74	53000	C64567	158 a 160
0,723	2.421	3,36	53000	C64568	158 a 160
0,614	2.850	2,86	53000	C64569	158 a 160
0,563	3.106	2,62	53000	C64670	158 a 160
0,466	3.755	2,17	53000	C64671	158 a 160
0,403	4.342	1,88	53000	C64672	158 a 160
0,378	4.634	1,76	53000	C64673	158 a 160
0,338	5.170	1,58	53000	C64674	158 a 160
0,313	5.591	1,46	53000	C64675	158 a 160
0,259	6.759	1,21	53000	C64677	158 a 160
0,189	9.246	0,88	53000	C64679	158 a 160
0,621	2.818	4,70	62000	C66569	161 a 163
0,528	3.317	3,99	62000	C66570	161 a 163
0,495	3.538	3,74	62000	C66571	161 a 163
0,400	4.370	3,03	62000	C66673	161 a 163
0,346	5.054	2,62	62000	C66674	161 a 163
0,324	5.394	2,45	62000	C66675	161 a 163
0,291	6.017	2,20	62000	C66676	161 a 163
0,222	7.866	1,68	62000	C66678	161 a 163
0,192	9.098	1,45	62000	C66679	161 a 163



0,18 kW - 1750 rpm



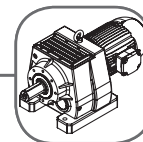
rpm	itot	fs	Fr (N)	código	páginas
0,163	10.761	1,23	62000	C66681	161 a 163
0,145	12.068	1,10	62000	C66682	161 a 163
0,122	14.305	0,93	62000	C66683	161 a 163
0,114	15.373	0,86	62000	C66684	161 a 163
0,410	4.270	4,29	120000	C68672	167 a 169
0,376	4.657	3,93	120000	C68673	167 a 169
0,324	5.409	3,39	120000	C68674	167 a 169
0,292	5.989	3,06	120000	C68675	167 a 169
0,247	7.092	2,58	120000	C68677	167 a 169
0,226	7.736	2,37	120000	C68678	167 a 169
0,195	8.983	2,04	120000	C68679	167 a 169
0,166	10.569	1,73	120000	C68680	167 a 169
0,151	11.584	1,58	120000	C68681	167 a 169
0,136	12.863	1,42	120000	C68682	167 a 169
0,126	13.903	1,32	120000	C68683	167 a 169
0,110	15.839	1,16	120000	C68684	167 a 169
0,098	17.772	1,03	120000	C68685	167 a 169
0,085	20.662	0,89	120000	C68686	167 a 169
0,077	22.849	0,80	120000	C68687	167 a 169



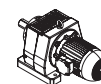
0,25 kW - 1750 rpm



428	4,09	14,35	900	C51212	100 a 102
349	5,01	14,04	900	C51214	100 a 102
306	5,72	14,09	800	C51215	100 a 102
267	6,57	14,07	800	C51216	100 a 102
248	7,05	14,04	800	C51217	100 a 102
235	7,45	13,77	900	C51218	100 a 102
191	9,14	11,22	800	C51219	100 a 102
168	10,4	9,83	900	C51220	100 a 102
146	12,0	8,57	1800	C51221	100 a 102
136	12,9	6,84	1900	C51222	100 a 102
126	13,9	6,83	2100	C51223	100 a 102
110	15,9	6,45	2200	C51224	100 a 102
97,4	18,0	5,71	2400	C51225	100 a 102
86,8	20,2	5,09	2500	C51226	100 a 102
75,5	23,2	4,42	2600	C51227	100 a 102
70,0	25,0	4,10	2800	C51228	100 a 102
63,8	27,4	3,74	2900	C51229	100 a 102
80,3	21,8	4,71	2950	C51327	100 a 102
67,2	26,0	3,94	3100	C51328	100 a 102
59,5	29,4	3,49	3200	C51329	100 a 102
55,1	31,8	3,23	3300	C51330	100 a 102
51,7	33,8	3,03	3500	C51331	100 a 102
43,3	40,4	2,54	3600	C51332	100 a 102
38,3	45,6	2,25	3800	C51333	100 a 102
35,5	49,3	2,08	3900	C51334	100 a 102
32,3	54,1	1,90	4100	C51335	100 a 102
28,0	62,5	1,64	4200	C51336	100 a 102
24,6	71,1	1,44	4200	C51337	100 a 102
21,8	80,1	1,28	4200	C51338	100 a 102
18,8	92,9	1,11	4200	C51339	100 a 102
17,4	100	1,02	4200	C51340	100 a 102
15,8	111	0,93	4200	C51341	100 a 102



0,25 kW - 1750 rpm



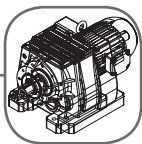
rpm	i _{tot}	fs	Fr (N)	código	páginas
59,0	29,7	4,94	4200	C52329	103 a 105
54,6	32,1	4,57	4200	C52330	103 a 105
51,2	34,2	4,72	4200	C52331	103 a 105
42,9	40,8	4,13	4200	C52332	103 a 105
38,0	46,1	3,82	4200	C52333	103 a 105
35,1	49,8	3,53	4200	C52334	103 a 105
32,0	54,6	3,22	4200	C52335	103 a 105
27,7	63,1	2,79	4200	C52336	103 a 105
24,4	71,8	2,45	4200	C52337	103 a 105
21,6	80,9	2,17	4200	C52338	103 a 105
18,7	93,8	1,88	4200	C52339	103 a 105
17,3	101	1,73	4200	C52340	103 a 105
15,6	112	1,57	4200	C52341	103 a 105
40,5	43,2	5,09	4930	C53333	106
35,3	49,6	4,44	5150	C53334	106
30,9	56,7	3,88	5420	C53335	106
28,1	62,2	3,54	5420	C53336	106
24,4	71,8	3,06	5420	C53337	106
22,0	79,5	2,77	5420	C53338	106
19,8	88,3	2,49	5420	C53339	106
17,7	98,7	2,23	5420	C53340	106
15,8	111,0	1,98	5420	C53341	106
13,9	126,0	1,75	5420	C53342	106
12,1	144,5	1,25	5420	C53343	106
11,3	155,5	1,41	5420	C53344	106
25,4	68,8	4,79	7100	C54336	107 a 109
23,7	73,9	4,46	7100	C54337	107 a 109
21,8	80,1	4,12	7100	C54338	107 a 109
19,2	91,4	3,61	7100	C54339	107 a 109
17,0	103	3,20	7100	C54340	107 a 109
15,1	116	2,85	7100	C54341	107 a 109
13,1	133	2,47	7100	C54342	107 a 109
12,2	144	2,30	7100	C54343	107 a 109
11,1	158	2,09	7100	C54344	107 a 109
18,9	92,6	4,75	7500	C55339	110 a 112
16,7	105	4,20	7500	C55340	110 a 112
14,9	117	3,75	7500	C55341	110 a 112
13,0	135	3,25	7500	C55342	110 a 112
12,0	146	3,02	7500	C55343	110 a 112
11,0	160	2,75	7500	C55344	110 a 112
12,2	144	4,19	9900	C56343	113 a 115
10,9	160	3,75	9900	C56344	113 a 115
9,57	183	3,29	9900	C56345	113 a 115
8,82	198	3,03	9900	C56346	113 a 115



0,25 kW - 1750 rpm



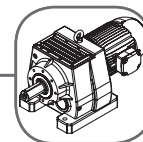
13,2	132	0,80	2500	C51442	134 a 136
13,1	134	1,10	2500	C52442	137 a 139
12,2	143	1,02	2500	C52443	137 a 139
11,5	152	0,97	2500	C52444	137 a 139
10,4	169	1,96	4700	C54445	140 a 142



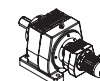
0,25 kW - 1750 rpm



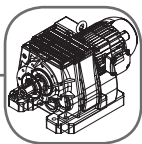
rpm	i_{tot}	fs	Fr (N)	código	páginas
8,47	207	1,60	4700	C54446	140 a 142
7,42	236	1,40	4700	C54447	140 a 142
6,46	271	1,22	4700	C54448	140 a 142
6,02	291	1,13	4700	C54449	140 a 142
5,55	315	1,05	4700	C54450	140 a 142
4,87	360	0,92	4700	C54451	140 a 142
4,31	406	0,81	4700	C54452	140 a 142
10,2	171	2,57	8000	C55445	143 a 145
8,35	210	2,10	8000	C55446	143 a 145
7,32	239	1,84	8000	C55447	143 a 145
6,38	274	1,60	8000	C55448	143 a 145
5,94	295	1,49	8000	C55449	143 a 145
5,48	320	1,38	8000	C55450	143 a 145
4,80	365	1,21	8000	C55451	143 a 145
4,25	412	1,07	8000	C55452	143 a 145
3,79	462	0,95	8000	C55453	143 a 145
3,29	532	0,83	8000	C55454	143 a 145
3,23	541	0,81	7500	C55555	143 a 145
7,21	243	2,48	8800	C56448	146 a 148
6,32	277	2,17	8800	C56449	146 a 148
5,51	318	1,89	8800	C56450	146 a 148
5,13	341	1,76	8800	C56451	146 a 148
4,73	370	1,62	8800	C56452	146 a 148
4,15	422	1,42	8800	C56453	146 a 148
3,67	477	1,26	8800	C56454	146 a 148
3,27	535	1,12	8800	C56455	146 a 148
2,84	616	0,98	8800	C56456	146 a 148
7,56	232	4,91	9400	C58447	149 a 151
6,99	250	4,54	9400	C58448	149 a 151
5,78	303	3,75	9400	C58450	149 a 151
5,00	350	3,24	9400	C58451	149 a 151
4,23	414	2,74	9400	C58452	149 a 151
3,77	464	2,45	9400	C58454	149 a 151
3,18	551	2,06	9400	C58455	149 a 151
2,63	665	1,71	9400	C58456	149 a 151
2,27	769	1,48	16000	C58558	149 a 151
1,98	883	1,29	16000	C58559	149 a 151
1,78	985	1,15	16000	C58560	149 a 151
1,64	1.066	1,07	16000	C58561	149 a 151
1,36	1.288	0,88	16000	C58562	149 a 151
3,68	476	4,62	10000	C60454	152 a 154
3,05	574	3,83	10000	C60455	152 a 154
2,51	697	3,15	19000	C60557	152 a 154
2,19	800	2,75	19000	C60558	152 a 154
1,96	893	2,46	19000	C60559	152 a 154
1,81	965	2,28	19000	C60560	152 a 154
1,50	1.167	1,88	19000	C60561	152 a 154
1,30	1.350	1,63	19000	C60562	152 a 154
1,10	1.597	1,38	19000	C60563	152 a 154
0,977	1.790	1,23	19000	C60565	152 a 154
0,825	2.122	1,04	19000	C60566	152 a 154



0,25 kW - 1750 rpm



rpm	itot	fs	Fr (N)	código	páginas
0,767	2.281	0,96	19000	C60567	152 a 154
0,683	2.562	0,86	19000	C60568	152 a 154
0,692	2.528	0,87	19000	C60668	152 a 154
2,53	691	4,77	29000	C62557	155 a 157
2,25	778	4,24	29000	C62558	155 a 157
2,05	853	3,87	29000	C62559	155 a 157
1,60	1.097	3,01	29000	C62561	155 a 157
1,46	1.199	2,75	29000	C62562	155 a 157
1,30	1.350	2,44	29000	C62563	155 a 157
1,02	1.708	1,93	29000	C62565	155 a 157
0,897	1.951	1,69	29000	C62566	155 a 157
0,763	2.292	1,44	29000	C62567	155 a 157
0,686	2.552	1,29	29000	C62568	155 a 157
0,583	3.004	1,10	29000	C62569	155 a 157
0,578	3.027	1,09	29000	C62670	155 a 157
0,535	3.273	1,01	29000	C62671	155 a 157
0,442	3.957	0,83	29000	C62672	155 a 157
1,37	1.281	4,58	53000	C64562	158 a 160
1,25	1.404	4,18	53000	C64563	158 a 160
0,945	1.852	3,17	53000	C64565	158 a 160
0,805	2.175	2,70	53000	C64567	158 a 160
0,723	2.421	2,42	53000	C64568	158 a 160
0,614	2.850	2,06	53000	C64569	158 a 160
0,563	3.106	1,89	53000	C64670	158 a 160
0,466	3.755	1,56	53000	C64671	158 a 160
0,403	4.342	1,35	53000	C64672	158 a 160
0,378	4.634	1,27	53000	C64673	158 a 160
0,338	5.170	1,13	53000	C64674	158 a 160
0,313	5.591	1,05	53000	C64675	158 a 160
0,259	6.759	0,87	53000	C64677	158 a 160
0,812	2.155	4,42	62000	C66566	161 a 163
0,691	2.532	3,76	62000	C66568	161 a 163
0,621	2.818	3,38	62000	C66569	161 a 163
0,528	3.317	2,87	62000	C66570	161 a 163
0,495	3.538	2,69	62000	C66571	161 a 163
0,400	4.370	2,18	62000	C66673	161 a 163
0,346	5.054	1,89	62000	C66674	161 a 163
0,324	5.394	1,77	62000	C66675	161 a 163
0,291	6.017	1,58	62000	C66676	161 a 163
0,222	7.866	1,21	62000	C66678	161 a 163
0,192	9.098	1,05	62000	C66679	161 a 163
0,163	10.761	0,89	62000	C66681	161 a 163
0,657	2.664	4,95	120000	C68568	167 a 169
0,591	2.963	4,45	120000	C68569	167 a 169
0,551	3.177	4,15	120000	C68570	167 a 169
0,493	3.552	3,71	120000	C68571	167 a 169
0,485	3.606	3,66	120000	C68671	167 a 169
0,410	4.270	3,09	120000	C68672	167 a 169
0,376	4.657	2,83	120000	C68673	167 a 169



0,25 kW - 1750 rpm



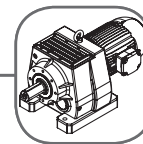
rpm	i_{tot}	fs	Fr (N)	código	páginas
0,324	5.409	2,44	120000	C68674	167 a 169
0,292	5.989	2,20	120000	C68675	167 a 169
0,247	7.092	1,86	120000	C68677	167 a 169
0,226	7.736	1,71	120000	C68678	167 a 169
0,195	8.983	1,47	120000	C68679	167 a 169
0,166	10.569	1,25	120000	C68680	167 a 169
0,151	11.584	1,14	120000	C68681	167 a 169
0,136	12.863	1,03	120000	C68682	167 a 169
0,126	13.903	0,95	120000	C68683	167 a 169
0,110	15.839	0,83	120000	C68684	167 a 169



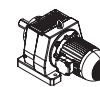
0,37 kW - 1750 rpm



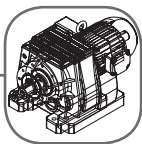
428	4,09	9,69	900	C51212	100 a 102
349	5,01	9,48	900	C51214	100 a 102
306	5,72	9,52	800	C51215	100 a 102
267	6,57	9,51	800	C51216	100 a 102
248	7,05	9,48	800	C51217	100 a 102
235	7,45	9,30	900	C51218	100 a 102
191	9,14	7,58	800	C51219	100 a 102
168	10,4	6,64	900	C51220	100 a 102
146	12,0	5,79	1800	C51221	100 a 102
136	12,9	4,62	1900	C51222	100 a 102
126	13,9	4,62	2100	C51223	100 a 102
110	15,9	4,36	2200	C51224	100 a 102
97,4	18,0	3,86	2400	C51225	100 a 102
86,8	20,2	3,44	2500	C51226	100 a 102
75,5	23,2	2,99	2600	C51227	100 a 102
70,0	25,0	2,77	2800	C51228	100 a 102
63,8	27,4	2,53	2900	C51229	100 a 102
80,3	21,8	3,18	2950	C51327	100 a 102
67,2	26,0	2,66	3100	C51328	100 a 102
59,5	29,4	2,36	3200	C51329	100 a 102
55,1	31,8	2,18	3300	C51330	100 a 102
51,7	33,8	2,05	3500	C51331	100 a 102
43,3	40,4	1,71	3600	C51332	100 a 102
38,3	45,6	1,52	3800	C51333	100 a 102
35,5	49,3	1,41	3900	C51334	100 a 102
32,3	54,1	1,28	4100	C51335	100 a 102
28,0	62,5	1,11	4200	C51336	100 a 102
24,6	71,1	0,97	4200	C51337	100 a 102
21,8	80,1	0,87	4200	C51338	100 a 102
86,0	20,3	4,87	2500	C52226	103 a 105
74,7	23,4	4,23	2900	C52227	103 a 105
69,3	25,2	3,92	3800	C52228	103 a 105
63,2	27,7	3,58	3600	C52229	103 a 105
79,6	22,0	4,50	3700	C52327	103 a 105
66,6	26,3	3,77	4100	C52328	103 a 105
59,0	29,7	3,34	4200	C52329	103 a 105
54,6	32,1	3,09	4200	C52330	103 a 105
51,2	34,2	3,19	4200	C52331	103 a 105
42,9	40,8	2,79	4200	C52332	103 a 105
38,0	46,1	2,58	4200	C52333	103 a 105



0,37 kW - 1750 rpm



rpm	itot	fs	Fr (N)	código	páginas
35,1	49,8	2,39	4200	C52334	103 a 105
32,0	54,6	2,18	4200	C52335	103 a 105
27,7	63,1	1,88	4200	C52336	103 a 105
24,4	71,8	1,65	4200	C52337	103 a 105
21,6	80,9	1,47	4200	C52338	103 a 105
18,7	93,8	1,27	4200	C52339	103 a 105
17,3	101	1,17	4200	C52340	103 a 105
15,6	112	1,06	4200	C52341	103 a 105
64,9	27,0	5,51	4000	C53329	106
56,7	30,9	4,82	4300	C53330	106
51,7	33,8	4,39	4500	C53331	106
44,8	39,1	3,80	4600	C53332	106
40,5	43,2	3,44	4930	C53333	106
35,3	49,6	3,00	5150	C53334	106
30,9	56,7	2,62	5420	C53335	106
28,1	62,2	2,39	5420	C53336	106
24,4	71,8	2,07	5420	C53337	106
22,0	79,5	1,87	5420	C53338	106
19,8	88,3	1,68	5420	C53339	106
17,7	98,7	1,51	5420	C53340	106
15,8	111,0	1,34	5420	C53341	106
13,9	126,0	1,18	5420	C53342	106
12,1	144,5	1,03	5420	C53343	106
11,3	155,5	0,96	5420	C53344	106
33,3	52,5	4,24	6900	C54334	107 a 109
29,2	60,0	3,72	7100	C54335	107 a 109
25,4	68,8	3,24	7100	C54336	107 a 109
23,7	73,9	3,02	7100	C54337	107 a 109
21,8	80,1	2,78	7100	C54338	107 a 109
19,2	91,4	2,44	7100	C54339	107 a 109
17,0	103	2,16	7100	C54340	107 a 109
15,1	116	1,92	7100	C54341	107 a 109
13,1	133	1,67	7100	C54342	107 a 109
12,2	144	1,55	7100	C54343	107 a 109
11,1	158	1,41	7100	C54344	107 a 109
28,8	60,8	4,89	7500	C55335	110 a 112
25,1	69,8	4,26	7500	C55336	110 a 112
23,4	74,9	3,97	7500	C55337	110 a 112
21,5	81,2	3,66	7500	C55338	110 a 112
18,9	92,6	3,21	7500	C55339	110 a 112
16,7	105	2,84	7500	C55340	110 a 112
14,9	117	2,53	7500	C55341	110 a 112
13,0	135	2,20	7500	C55342	110 a 112
12,0	146	2,04	7500	C55343	110 a 112
11,0	160	1,86	7500	C55344	110 a 112
19,5	89,7	4,53	9900	C56339	113 a 115
16,5	106	3,82	9900	C56340	113 a 115
15,3	114	3,55	9900	C56341	113 a 115
13,6	128	3,17	9900	C56342	113 a 115
12,2	144	2,83	9900	C56343	113 a 115
10,9	160	2,53	9900	C56344	113 a 115
9,57	183	2,22	9900	C56345	113 a 115
8,82	198	2,05	9900	C56346	113 a 115
11,0	159	4,84	16000	C58344	116 a 118



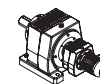
0,37 kW - 1750 rpm



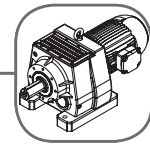
rpm	ítot	fs	Fr (N)	código	páginas
9,90	177	4,34	16000	C58345	116 a 118
8,89	197	3,90	16000	C58346	116 a 118
7,91	221	3,47	16000	C58347	116 a 118











0,37 kW - 1750 rpm

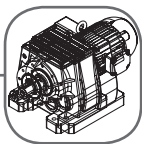


10,4	169	1,32	4700	C54445	140 a 142
8,47	207	1,08	4700	C54446	140 a 142
7,42	236	0,94	4700	C54447	140 a 142
6,46	271	0,82	4700	C54448	140 a 142
10,2	171	1,74	8000	C55445	143 a 145
8,35	210	1,42	8000	C55446	143 a 145
7,32	239	1,24	8000	C55447	143 a 145
6,38	274	1,08	8000	C55448	143 a 145
5,94	295	1,01	8000	C55449	143 a 145
5,48	320	0,93	8000	C55450	143 a 145
4,80	365	0,82	8000	C55451	143 a 145
7,21	243	1,67	8800	C56448	146 a 148
6,32	277	1,47	8800	C56449	146 a 148
5,51	318	1,28	8800	C56450	146 a 148
5,13	341	1,19	8800	C56451	146 a 148
4,73	370	1,10	8800	C56452	146 a 148
4,15	422	0,96	8800	C56453	146 a 148
3,67	477	0,85	8800	C56454	146 a 148
7,56	232	3,31	9400	C58447	149 a 151
6,99	250	3,07	9400	C58448	149 a 151
5,78	303	2,54	9400	C58450	149 a 151
5,00	350	2,19	9400	C58451	149 a 151
4,23	414	1,85	9400	C58452	149 a 151
3,77	464	1,65	9400	C58454	149 a 151
3,18	551	1,39	9400	C58455	149 a 151
2,63	665	1,16	9400	C58456	149 a 151
2,27	769	1,00	16000	C58558	149 a 151
1,98	883	0,87	16000	C58559	149 a 151
5,78	303	4,91	10000	C60450	152 a 154
4,89	358	4,15	10000	C60451	152 a 154
4,36	402	3,70	10000	C60452	152 a 154
3,68	476	3,12	10000	C60454	152 a 154
3,05	574	2,59	10000	C60455	152 a 154
2,51	697	2,13	19000	C60557	152 a 154
2,19	800	1,86	19000	C60558	152 a 154
1,96	893	1,66	19000	C60559	152 a 154
1,81	965	1,54	19000	C60560	152 a 154
1,50	1.167	1,27	19000	C60561	152 a 154
1,30	1.350	1,10	19000	C60562	152 a 154
1,10	1.597	0,93	19000	C60563	152 a 154
0,977	1.790	0,83	19000	C60565	152 a 154
3,88	451	4,94	19000	C62453	155 a 157
3,49	502	4,44	19000	C62454	155 a 157
2,96	591	3,77	19000	C62455	155 a 157



 0,37 kW - 1750 rpm 

rpm	 itot	 fs	Fr (N)	código	páginas
					
2,78	630	3,53	19000	C62456	155 a 157
2,53	691	3,22	29000	C62557	155 a 157
2,25	778	2,86	29000	C62558	155 a 157
2,05	853	2,61	29000	C62559	155 a 157
1,60	1.097	2,03	29000	C62561	155 a 157
1,46	1.199	1,86	29000	C62562	155 a 157
1,30	1.350	1,65	29000	C62563	155 a 157
1,02	1.708	1,30	29000	C62565	155 a 157
0,897	1.951	1,14	29000	C62566	155 a 157
0,763	2.292	0,97	29000	C62567	155 a 157
0,686	2.552	0,87	29000	C62568	155 a 157
2,16	809	4,90	53000	C64558	158 a 160
2,03	862	4,60	53000	C64559	158 a 160
1,68	1.041	3,81	53000	C64560	158 a 160
1,54	1.138	3,48	53000	C64561	158 a 160
1,37	1.281	3,09	53000	C64562	158 a 160
1,25	1.404	2,82	53000	C64563	158 a 160
0,945	1.852	2,14	53000	C64565	158 a 160
0,805	2.175	1,82	53000	C64567	158 a 160
0,723	2.421	1,64	53000	C64568	158 a 160
0,614	2.850	1,39	53000	C64569	158 a 160
0,563	3.106	1,28	53000	C64670	158 a 160
0,466	3.755	1,06	53000	C64671	158 a 160
0,403	4.342	0,91	53000	C64672	158 a 160
0,378	4.634	0,85	53000	C64673	158 a 160
1,32	1.324	4,86	62000	C66562	161 a 163
1,17	1.490	4,32	62000	C66563	161 a 163
1,07	1.634	3,94	62000	C66564	161 a 163
0,928	1.886	3,41	62000	C66565	161 a 163
0,812	2.155	2,99	62000	C66566	161 a 163
0,691	2.532	2,54	62000	C66568	161 a 163
0,621	2.818	2,28	62000	C66569	161 a 163
0,528	3.317	1,94	62000	C66570	161 a 163
0,495	3.538	1,82	62000	C66571	161 a 163
0,400	4.370	1,47	62000	C66673	161 a 163
0,346	5.054	1,27	62000	C66674	161 a 163
0,324	5.394	1,19	62000	C66675	161 a 163
0,291	6.017	1,07	62000	C66676	161 a 163
0,222	7.866	0,82	62000	C66678	161 a 163
0,955	1.832	4,87	120000	C68565	167 a 169
0,834	2.099	4,25	120000	C68566	167 a 169
0,718	2.436	3,66	120000	C68567	167 a 169
0,657	2.664	3,35	120000	C68568	167 a 169
0,591	2.963	3,01	120000	C68569	167 a 169
0,551	3.177	2,81	120000	C68570	167 a 169
0,493	3.552	2,51	120000	C68571	167 a 169
0,485	3.606	2,47	120000	C68671	167 a 169
0,410	4.270	2,09	120000	C68672	167 a 169
0,376	4.657	1,91	120000	C68673	167 a 169
0,324	5.409	1,65	120000	C68674	167 a 169
0,292	5.989	1,49	120000	C68675	167 a 169
0,247	7.092	1,26	120000	C68677	167 a 169



0,37 kW - 1750 rpm



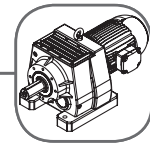
rpm	ítot	fs	Fr (N)	código	páginas
0,226	7.736	1,15	120000	C68678	167 a 169
0,195	8.983	0,99	120000	C68679	167 a 169
0,166	10.569	0,84	120000	C68680	167 a 169



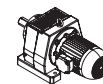
0,55 kW - 1750 rpm



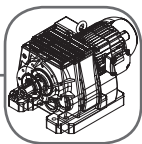
168	10,4	4,47	900	C51220	100 a 102
146	12,0	3,90	1800	C51221	100 a 102
136	12,9	3,11	1900	C51222	100 a 102
126	13,9	3,11	2100	C51223	100 a 102
110	15,9	2,93	2200	C51224	100 a 102
97,4	18,0	2,60	2400	C51225	100 a 102
86,8	20,2	2,31	2500	C51226	100 a 102
75,5	23,2	2,01	2600	C51227	100 a 102
70,0	25,0	1,87	2800	C51228	100 a 102
63,8	27,4	1,70	2900	C51229	100 a 102
80,3	21,8	2,14	2950	C51327	100 a 102
67,2	26,0	1,79	3100	C51328	100 a 102
59,5	29,4	1,59	3200	C51329	100 a 102
55,1	31,8	1,47	3300	C51330	100 a 102
51,7	33,8	1,38	3500	C51331	100 a 102
43,3	40,4	1,15	3600	C51332	100 a 102
38,3	45,6	1,02	3800	C51333	100 a 102
35,5	49,3	0,95	3900	C51334	100 a 102
32,3	54,1	0,86	4100	C51335	100 a 102
124	14,1	4,73	1800	C52223	103 a 105
109	16,1	4,15	2000	C52224	103 a 105
96,5	18,1	3,49	2300	C52225	103 a 105
86,0	20,3	3,28	2500	C52226	103 a 105
74,7	23,4	2,85	2900	C52227	103 a 105
69,3	25,2	2,64	3800	C52228	103 a 105
63,2	27,7	2,41	3600	C52229	103 a 105
79,6	22,0	3,03	3700	C52327	103 a 105
66,6	26,3	2,53	4100	C52328	103 a 105
59,0	29,7	2,25	4200	C52329	103 a 105
54,6	32,1	2,08	4200	C52330	103 a 105
51,2	34,2	2,15	4200	C52331	103 a 105
42,9	40,8	1,88	4200	C52332	103 a 105
38,0	46,1	1,74	4200	C52333	103 a 105
35,1	49,8	1,61	4200	C52334	103 a 105
32,0	54,6	1,46	4200	C52335	103 a 105
27,7	63,1	1,27	4200	C52336	103 a 105
24,4	71,8	1,11	4200	C52337	103 a 105
21,6	80,9	0,99	4200	C52338	103 a 105
87,9	19,9	5,02	3500	C53326	106
76,1	23,0	4,34	3800	C53327	106
68,8	25,4	3,93	4000	C53328	106
64,9	27,0	3,70	4000	C53329	106
56,7	30,9	3,24	4300	C53330	106
51,7	33,8	2,95	4500	C53331	106
44,8	39,1	2,56	4600	C53332	106
40,5	43,2	2,31	49,30	C53333	106
35,3	49,6	2,02	5150	C53334	106
30,9	56,7	1,76	5420	C53335	106



0,55 kW - 1750 rpm



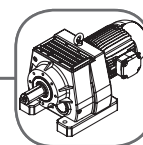
rpm	i_{tot}	fs	Fr (N)	código	páginas
28,1	62,2	1,61	5420	C53336	106
24,4	71,8	1,39	5420	C53337	106
22,00	79,5	1,26	5420	C53338	106
19,8	88,3	1,13	5420	C53339	106
17,7	98,7	1,01	5420	C53340	106
15,8	111,0	0,90	5420	C53341	106
13,9	126,0	0,79	5420	C53342	106
56,6	30,9	4,85	5900	C54330	107 a 109
49,3	35,5	4,22	6100	C54331	107 a 109
45,9	38,1	3,93	6400	C54332	107 a 109
40,9	42,8	3,50	6600	C54333	107 a 109
33,3	52,5	2,85	6900	C54334	107 a 109
29,2	60,0	2,50	7100	C54335	107 a 109
25,4	68,8	2,18	7100	C54336	107 a 109
23,7	73,9	2,03	7100	C54337	107 a 109
21,8	80,1	1,87	7100	C54338	107 a 109
19,2	91,4	1,64	7100	C54339	107 a 109
17,0	103	1,45	7100	C54340	107 a 109
15,1	116	1,29	7100	C54341	107 a 109
13,1	133	1,12	7100	C54342	107 a 109
12,2	144	1,04	7100	C54343	107 a 109
11,1	158	0,95	7100	C54344	107 a 109
40,3	43,4	4,60	7500	C55333	110 a 112
32,9	53,3	3,75	7500	C55334	110 a 112
28,8	60,8	3,29	7500	C55335	110 a 112
25,1	69,8	2,87	7500	C55336	110 a 112
23,4	74,9	2,67	7500	C55337	110 a 112
21,5	81,2	2,46	7500	C55338	110 a 112
18,9	92,6	2,16	7500	C55339	110 a 112
16,7	105	1,91	7500	C55340	110 a 112
14,9	117	1,70	7500	C55341	110 a 112
13,0	135	1,48	7500	C55342	110 a 112
12,0	146	1,37	7500	C55343	110 a 112
11,0	160	1,25	7500	C55344	110 a 112
29,9	58,5	4,67	9900	C56335	113 a 115
25,9	67,6	4,04	9900	C56337	113 a 115
21,9	80,0	3,42	9900	C56338	113 a 115
19,5	89,7	3,05	9900	C56339	113 a 115
16,5	106	2,57	9900	C56340	113 a 115
15,3	114	2,39	9900	C56341	113 a 115
13,6	128	2,13	9900	C56342	113 a 115
12,2	144	1,90	9900	C56343	113 a 115
10,9	160	1,70	9900	C56344	113 a 115
9,57	183	1,49	9900	C56345	113 a 115
8,82	198	1,38	9900	C56346	113 a 115
15,4	113	4,55	16000	C58341	116 a 118
13,9	126	4,09	16000	C58342	116 a 118
11,8	149	3,47	16000	C58343	116 a 118
11,0	159	3,26	16000	C58344	116 a 118
9,90	177	2,92	16000	C58345	116 a 118
8,89	197	2,62	16000	C58346	116 a 118
7,91	221	2,33	16000	C58347	116 a 118
8,48	206	4,84	19000	C60346	119 a 121



0,55 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
10,4	169	0,89	4700	C54445	140 a 142
10,2	171	1,17	8000	C55445	143 a 145
8,35	210	0,95	8000	C55446	143 a 145
7,32	239	0,84	8000	C55447	143 a 145
7,21	243	1,13	8800	C56448	146 a 148
6,32	277	0,99	8800	C56449	146 a 148
5,51	318	0,86	8800	C56450	146 a 148
5,13	341	0,80	8800	C56451	146 a 148
7,56	232	2,23	9400	C58447	149 a 151
6,99	250	2,06	9400	C58448	149 a 151
5,78	303	1,71	9400	C58450	149 a 151
5,00	350	1,47	9400	C58451	149 a 151
4,23	414	1,25	9400	C58452	149 a 151
3,77	464	1,11	9400	C58454	149 a 151
3,18	551	0,94	9400	C58455	149 a 151
8,08	216	4,62	10000	C60447	152 a 154
6,69	262	3,82	10000	C60448	152 a 154
5,78	303	3,30	10000	C60450	152 a 154
4,89	358	2,79	10000	C60451	152 a 154
4,36	402	2,49	10000	C60452	152 a 154
3,68	476	2,10	10000	C60454	152 a 154
3,05	574	1,74	10000	C60455	152 a 154
2,51	697	1,43	19000	C60557	152 a 154
2,19	800	1,25	19000	C60558	152 a 154
1,96	893	1,12	19000	C60559	152 a 154
1,81	965	1,04	19000	C60560	152 a 154
1,50	1.167	0,86	19000	C60561	152 a 154
5,21	336	4,46	19000	C62451	155 a 157
3,88	451	3,32	19000	C62453	155 a 157
3,49	502	2,99	19000	C62454	155 a 157
2,96	591	2,54	19000	C62455	155 a 157
2,78	630	2,38	19000	C62456	155 a 157
2,53	691	2,17	29000	C62557	155 a 157
2,25	778	1,93	29000	C62558	155 a 157
2,05	853	1,76	29000	C62559	155 a 157
1,60	1.097	1,37	29000	C62561	155 a 157
1,46	1.199	1,25	29000	C62562	155 a 157
1,30	1.350	1,11	29000	C62563	155 a 157
1,02	1.708	0,88	29000	C62565	155 a 157
3,28	534	4,99	53000	C64455	158 a 160
2,78	629	4,24	53000	C64456	158 a 160
2,61	671	3,97	53000	C64457	158 a 160
2,16	809	3,29	53000	C64558	158 a 160
2,03	862	3,09	53000	C64559	158 a 160
1,68	1.041	2,56	53000	C64560	158 a 160
1,54	1.138	2,34	53000	C64561	158 a 160
1,37	1.281	2,08	53000	C64562	158 a 160



0,55 kW - 1750 rpm



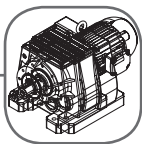
rpm	ítot	fs	Fr (N)	código	páginas
1,25	1.404	1,90	53000	C64563	158 a 160
0,945	1.852	1,44	53000	C64565	158 a 160
0,805	2.175	1,23	53000	C64567	158 a 160
0,723	2.421	1,10	53000	C64568	158 a 160
0,614	2.850	0,94	53000	C64569	158 a 160
0,563	3.106	0,86	53000	C64670	158 a 160
1,86	942	4,60	62000	C66559	161 a 163
1,74	1.003	4,32	62000	C66560	161 a 163
1,44	1.211	3,58	62000	C66561	161 a 163
1,32	1.324	3,27	62000	C66562	161 a 163
1,17	1.490	2,91	62000	C66563	161 a 163
1,07	1.634	2,65	62000	C66564	161 a 163
0,928	1.886	2,30	62000	C66565	161 a 163
0,812	2.155	2,01	62000	C66566	161 a 163
0,691	2.532	1,71	62000	C66568	161 a 163
0,621	2.818	1,54	62000	C66569	161 a 163
0,528	3.317	1,31	62000	C66570	161 a 163
0,495	3.538	1,22	62000	C66571	161 a 163
0,400	4.370	0,99	62000	C66673	161 a 163
0,346	5.054	0,86	62000	C66674	161 a 163
0,324	5.394	0,80	62000	C66675	161 a 163
1,38	1.265	4,74	120000	C68562	167 a 169
1,20	1.461	4,11	120000	C68563	167 a 169
1,03	1.695	3,54	120000	C68564	167 a 169
0,955	1.832	3,27	120000	C68565	167 a 169
0,834	2.099	2,86	120000	C68566	167 a 169
0,718	2.436	2,46	120000	C68567	167 a 169
0,657	2.664	2,25	120000	C68568	167 a 169
0,591	2.963	2,02	120000	C68569	167 a 169
0,551	3.177	1,89	120000	C68570	167 a 169
0,493	3.552	1,69	120000	C68571	167 a 169
0,485	3.606	1,66	120000	C68671	167 a 169
0,410	4.270	1,40	120000	C68672	167 a 169
0,376	4.657	1,29	120000	C68673	167 a 169
0,324	5.409	1,11	120000	C68674	167 a 169
0,292	5.989	1,00	120000	C68675	167 a 169
0,247	7.092	0,85	120000	C68677	167 a 169



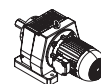
0,75 kW - 1750 rpm



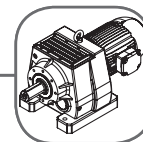
428	4,09	4,78	900	C51212	100 a 102
349	5,01	4,68	900	C51214	100 a 102
306	5,72	4,70	800	C51215	100 a 102
267	6,57	4,69	800	C51216	100 a 102
248	7,05	4,68	800	C51217	100 a 102
235	7,45	4,59	900	C51218	100 a 102
191	9,14	3,74	800	C51219	100 a 102
168	10,4	3,28	900	C51220	100 a 102
146	12,0	2,86	1800	C51221	100 a 102
136	12,9	2,28	1900	C51222	100 a 102
126	13,9	2,28	2100	C51223	100 a 102
110	15,9	2,15	2200	C51224	100 a 102
97,4	18,0	1,90	2400	C51225	100 a 102



0,75 kW - 1750 rpm



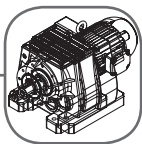
rpm	i_{tot}	fs	Fr (N)	código	páginas
86,8	20,2	1,70	2500	C51226	100 a 102
75,5	23,2	1,47	2600	C51227	100 a 102
70,0	25,0	1,37	2800	C51228	100 a 102
63,8	27,4	1,25	2900	C51229	100 a 102
80,3	21,8	1,57	2950	C51327	100 a 102
67,2	26,0	1,31	3100	C51328	100 a 102
59,5	29,4	1,16	3200	C51329	100 a 102
55,1	31,8	1,08	3300	C51330	100 a 102
51,7	33,8	1,01	3500	C51331	100 a 102
43,3	40,4	0,85	3600	C51332	100 a 102
166	10,5	4,64	1700	C52220	103 a 105
145	12,1	4,04	1800	C52221	103 a 105
135	13,0	3,76	1800	C52222	103 a 105
124	14,1	3,47	1800	C52223	103 a 105
109	16,1	3,04	2000	C52224	103 a 105
96,5	18,1	2,56	2300	C52225	103 a 105
86,0	20,3	2,40	2500	C52226	103 a 105
74,7	23,4	2,09	2900	C52227	103 a 105
69,3	25,2	1,94	3800	C52228	103 a 105
63,2	27,7	1,76	3600	C52229	103 a 105
79,6	22,0	2,22	3700	C52327	103 a 105
66,6	26,3	1,86	4100	C52328	103 a 105
59,0	29,7	1,65	4200	C52329	103 a 105
54,6	32,1	1,52	4200	C52330	103 a 105
51,2	34,2	1,57	4200	C52331	103 a 105
42,9	40,8	1,38	4200	C52332	103 a 105
38,0	46,1	1,27	4200	C52333	103 a 105
35,1	49,8	1,18	4200	C52334	103 a 105
32,0	54,6	1,07	4200	C52335	103 a 105
125	14,0	5,25	3230	C53223	106
113	15,5	4,72	3300	C53224	106
101	17,4	4,22	3390	C53225	106
89,6	19,5	3,75	3530	C53226	106
79,0	22,2	3,31	3710	C53227	106
110,2	15,9	4,62	3350	C53324	106
96,4	18,2	4,04	3500	C53325	106
87,9	19,9	3,68	3500	C53326	106
76,1	23,0	3,19	3800	C53327	106
68,8	25,4	2,88	4000	C53328	106
64,9	27,0	2,72	4000	C53329	106
56,7	30,9	2,38	4300	C53330	106
51,7	33,8	2,17	4500	C53331	106
44,8	39,1	1,87	4600	C53332	106
40,5	43,2	1,70	4930	C53333	106
35,3	49,6	1,48	5150	C53334	106
30,9	56,7	1,29	5420	C53335	106
28,1	62,2	1,18	5420	C53336	106
24,4	71,8	1,02	5420	C53337	106
22,0	79,5	0,92	5420	C53338	106
19,8	88,3	0,83	5420	C53339	106
78,1	22,4	4,91	4700	C54227	107 a 109
79,2	22,1	4,98	5300	C54327	107 a 109
64,6	27,1	4,06	5500	C54329	107 a 109



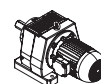
0,75 kW - 1750 rpm









rpm	i_{tot}	fs	Fr (N)	código	páginas
56,6	30,9	3,55	5900	C54330	107 a 109
49,3	35,5	3,10	6100	C54331	107 a 109
45,9	38,1	2,88	6400	C54332	107 a 109
40,9	42,8	2,57	6600	C54333	107 a 109
33,3	52,5	2,09	6900	C54334	107 a 109
29,2	60,0	1,83	7100	C54335	107 a 109
25,4	68,8	1,60	7100	C54336	107 a 109
23,7	73,9	1,49	7100	C54337	107 a 109
21,8	80,1	1,37	7100	C54338	107 a 109
19,2	91,4	1,20	7100	C54339	107 a 109
17,0	103	1,07	7100	C54340	107 a 109
15,1	116	0,95	7100	C54341	107 a 109
13,1	133	0,82	7100	C54342	107 a 109
55,8	31,4	4,67	7500	C55330	110 a 112
48,6	36,0	4,07	7500	C55331	110 a 112
45,3	38,6	3,79	7500	C55332	110 a 112
40,3	43,4	3,38	7500	C55333	110 a 112
32,9	53,3	2,75	7500	C55334	110 a 112
28,8	60,8	2,41	7500	C55335	110 a 112
25,1	69,8	2,10	7500	C55336	110 a 112
23,4	74,9	1,96	7500	C55337	110 a 112
21,5	81,2	1,80	7500	C55338	110 a 112
18,9	92,6	1,58	7500	C55339	110 a 112
16,7	105	1,40	7500	C55340	110 a 112
14,9	117	1,25	7500	C55341	110 a 112
13,0	135	1,08	7500	C55342	110 a 112
12,0	146	1,01	7500	C55343	110 a 112
11,0	160	0,92	7500	C55344	110 a 112
39,1	44,7	4,48	9900	C56333	113 a 115
36,2	48,4	4,14	9900	C56334	113 a 115
29,9	58,5	3,43	9900	C56335	113 a 115
25,9	67,6	2,96	9900	C56337	113 a 115
21,9	80,0	2,51	9900	C56338	113 a 115
19,5	89,7	2,23	9900	C56339	113 a 115
16,5	106	1,88	9900	C56340	113 a 115
15,3	114	1,75	9900	C56341	113 a 115
13,6	128	1,56	9900	C56342	113 a 115
12,2	144	1,40	9900	C56343	113 a 115
10,9	160	1,25	9900	C56344	113 a 115
9,57	183	1,10	9900	C56345	113 a 115
8,82	198	1,01	9900	C56346	113 a 115
23,9	73,2	4,87	16000	C58338	116 a 118
20,7	84,5	4,48	16000	C58339	116 a 118
18,1	96,6	3,92	16000	C58340	116 a 118
15,4	113	3,34	16000	C58341	116 a 118
13,9	126	3,00	16000	C58342	116 a 118
11,8	149	2,55	16000	C58343	116 a 118
11,0	159	2,39	16000	C58344	116 a 118
9,90	177	2,14	16000	C58345	116 a 118
8,89	197	1,92	16000	C58346	116 a 118
7,91	221	1,71	16000	C58347	116 a 118
11,7	149	4,91	19000	C60343	119 a 121
10,6	165	4,44	19000	C60344	119 a 121
8,99	195	3,77	19000	C60345	119 a 121
8,48	206	3,55	19000	C60346	119 a 121



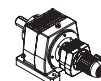
0,75 kW - 1750 rpm



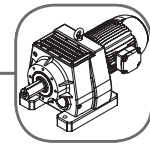
rpm	itot	fs	Fr (N)	código	páginas
 7,50	 233	 4,71	 20000	 C62347	 122 a 124



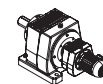
0,75 kW - 1750 rpm









10,2	171	0,86	8000	C55445	143 a 145
7,21	243	0,83	8800	C56448	146 a 148
7,56	232	1,64	9400	C58447	149 a 151
6,99	250	1,51	9400	C58448	149 a 151
5,78	303	1,25	9400	C58450	149 a 151
5,00	350	1,08	9400	C58451	149 a 151
4,23	414	0,91	9400	C58452	149 a 151
3,77	464	0,82	9400	C58454	149 a 151
8,08	216	3,39	10000	C60447	152 a 154
6,69	262	2,80	10000	C60448	152 a 154
5,78	303	2,42	10000	C60450	152 a 154
4,89	358	2,05	10000	C60451	152 a 154
4,36	402	1,83	10000	C60452	152 a 154
3,68	476	1,54	10000	C60454	152 a 154
3,05	574	1,28	10000	C60455	152 a 154
2,51	697	1,05	19000	C60557	152 a 154
2,19	800	0,92	19000	C60558	152 a 154
1,96	893	0,82	19000	C60559	152 a 154
7,42	236	4,66	19000	C62447	155 a 157
6,59	266	4,14	19000	C62448	155 a 157
6,01	291	3,78	19000	C62449	155 a 157
5,21	336	3,27	19000	C62451	155 a 157
3,88	451	2,44	19000	C62453	155 a 157
3,49	502	2,19	19000	C62454	155 a 157
2,96	591	1,86	19000	C62455	155 a 157
2,78	630	1,74	19000	C62456	155 a 157
2,53	691	1,59	29000	C62557	155 a 157
2,25	778	1,41	29000	C62558	155 a 157
2,05	853	1,29	29000	C62559	155 a 157
1,60	1.097	1,00	29000	C62561	155 a 157
1,46	1.199	0,92	29000	C62562	155 a 157
1,30	1.350	0,81	29000	C62563	155 a 157
4,28	408	4,79	53000	C64452	158 a 160
3,65	480	4,07	53000	C64453	158 a 160
3,28	534	3,66	53000	C64455	158 a 160
2,78	629	3,11	53000	C64456	158 a 160
2,61	671	2,91	53000	C64457	158 a 160
2,16	809	2,42	53000	C64558	158 a 160
2,03	862	2,27	53000	C64559	158 a 160
1,68	1.041	1,88	53000	C64560	158 a 160
1,54	1.138	1,72	53000	C64561	158 a 160
1,37	1.281	1,53	53000	C64562	158 a 160
1,25	1.404	1,39	53000	C64563	158 a 160
0,945	1.852	1,06	53000	C64565	158 a 160
0,805	2.175	0,90	53000	C64567	158 a 160



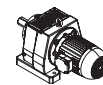
0,75 kW - 1750 rpm



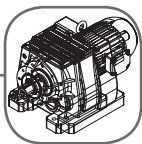
rpm	i _{tot}	fs	Fr (N)	código	páginas
 0,723	 2.421	 0,81	 53000	 C64568	 158 a 160
2,53	692	4,59	64000	C66457	161 a 163
2,04	859	3,70	62000	C66558	161 a 163
1,86	942	3,37	62000	C66559	161 a 163
1,74	1.003	3,17	62000	C66560	161 a 163
1,44	1.211	2,62	62000	C66561	161 a 163
1,32	1.324	2,40	62000	C66562	161 a 163
1,17	1.490	2,13	62000	C66563	161 a 163
1,07	1.634	1,94	62000	C66564	161 a 163
0,928	1.886	1,68	62000	C66565	161 a 163
0,812	2.155	1,47	62000	C66566	161 a 163
0,691	2.532	1,25	62000	C66568	161 a 163
0,621	2.818	1,13	62000	C66569	161 a 163
0,528	3.317	0,96	62000	C66570	161 a 163
0,495	3.538	0,90	62000	C66571	161 a 163
1,79	979	4,49	120000	C68559	167 a 169
1,75	1.000	4,40	120000	C68560	167 a 169
1,62	1.081	4,07	120000	C68561	167 a 169
1,38	1.265	3,48	120000	C68562	167 a 169
1,20	1.461	3,01	120000	C68563	167 a 169
1,03	1.695	2,59	120000	C68564	167 a 169
0,955	1.832	2,40	120000	C68565	167 a 169
0,834	2.099	2,10	120000	C68566	167 a 169
0,718	2.436	1,81	120000	C68567	167 a 169
0,657	2.664	1,65	120000	C68568	167 a 169
0,591	2.963	1,48	120000	C68569	167 a 169
0,551	3.177	1,38	120000	C68570	167 a 169
0,493	3.552	1,24	120000	C68571	167 a 169
0,485	3.606	1,22	120000	C68671	167 a 169
0,410	4.270	1,03	120000	C68672	167 a 169
0,376	4.657	0,94	120000	C68673	167 a 169
0,324	5.409	0,81	120000	C68674	167 a 169



1,10 kW - 1750 rpm



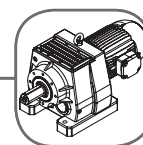
428	4,09	3,26	900	C51212	100 a 102
349	5,01	3,19	900	C51214	100 a 102
306	5,72	3,20	800	C51215	100 a 102
267	6,57	3,20	800	C51216	100 a 102
248	7,05	3,19	800	C51217	100 a 102
235	7,45	3,13	900	C51218	100 a 102
191	9,14	2,55	800	C51219	100 a 102
168	10,4	2,24	900	C51220	100 a 102
146	12,0	1,95	1800	C51221	100 a 102
136	12,9	1,55	1900	C51222	100 a 102
126	13,9	1,55	2100	C51223	100 a 102
110	15,9	1,47	2200	C51224	100 a 102
97,4	18,0	1,30	2400	C51225	100 a 102
86,8	20,2	1,16	2500	C51226	100 a 102
75,5	23,2	1,01	2600	C51227	100 a 102
70,0	25,0	0,93	2800	C51228	100 a 102
63,8	27,4	0,85	2900	C51229	100 a 102
80,3	21,8	1,07	2950	C51327	100 a 102



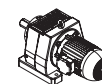
1,10 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
67,2	26,0	0,90	3100	C51328	100 a 102
419	4,17	4,59	900	C52212	103 a 105
341	5,1	4,87	2400	C53214	106
298	5,9	4,68	2470	C53215	106
272	6,4	4,66	2650	C53216	106
235	7,4	4,48	2750	C53217	106
213	8,2	4,46	2700	C53218	106
201	8,7	4,78	2750	C53219	106
176	10,0	5,01	2900	C53220	106
160	10,9	4,57	3000	C53221	106
139	12,6	3,96	3080	C53222	106
125	14,0	3,58	3230	C53223	106
113	15,5	3,22	3300	C53224	106
101	17,4	2,88	3390	C53225	106
89,6	19,5	2,56	3530	C53226	106
79,0	22,2	2,26	3710	C53227	106
110,2	15,9	3,15	3350	C53324	106
96,4	18,2	2,75	3500	C53325	106
87,9	19,9	2,51	3500	C53326	106
76,1	23,0	2,17	3800	C53327	106
68,8	25,4	1,96	4000	C53328	106
64,9	27,0	1,85	4000	C53329	106
56,7	30,9	1,62	4300	C53330	106
51,7	33,8	1,48	4500	C53331	106
44,8	39,1	1,28	4600	C53332	106
40,5	43,2	1,16	4930	C53333	106
35,3	49,6	1,01	5150	C53334	106
30,9	56,7	0,88	5420	C53336	106
28,1	62,2	0,80	5420	C53336	106
112	15,7	4,79	4000	C54224	107 a 109
94,3	18,6	4,04	4300	C54225	107 a 109
87,8	19,9	3,76	4600	C54226	107 a 109
78,1	22,4	3,35	4700	C54227	107 a 109
79,2	22,1	3,39	5300	C54327	107 a 109
64,6	27,1	2,77	5500	C54329	107 a 109
56,6	30,9	2,42	5900	C54330	107 a 109
49,3	35,5	2,11	6100	C54331	107 a 109
45,9	38,1	1,97	6400	C54332	107 a 109
40,9	42,8	1,75	6600	C54333	107 a 109
33,3	52,5	1,43	6900	C54334	107 a 109
29,2	60,0	1,25	7100	C54335	107 a 109
25,4	68,8	1,09	7100	C54336	107 a 109
23,7	73,9	1,01	7100	C54337	107 a 109
21,8	80,1	0,94	7100	C54338	107 a 109
19,2	91,4	0,82	7100	C54339	107 a 109
86,6	20,2	4,94	7500	C55226	110 a 112
77,1	22,7	4,40	8000	C55227	110 a 112
68,9	25,4	3,05	8000	C55228	110 a 112
61,7	28,4	3,02	8000	C55229	110 a 112
78,1	22,4	4,46	7900	C55327	110 a 112
63,7	27,5	3,64	7700	C55329	110 a 112



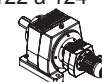
1,10 kW - 1750 rpm



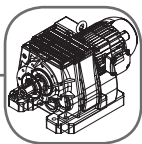
rpm	i_{tot}	fs	Fr (N)	código	páginas
55,8	31,4	3,19	7500	C55330	110 a 112
48,6	36,0	2,78	7500	C55331	110 a 112
45,3	38,6	2,59	7500	C55332	110 a 112
40,3	43,4	2,30	7500	C55333	110 a 112
32,9	53,3	1,88	7500	C55334	110 a 112
28,8	60,8	1,64	7500	C55335	110 a 112
25,1	69,8	1,43	7500	C55336	110 a 112
23,4	74,9	1,33	7500	C55337	110 a 112
21,5	81,2	1,23	7500	C55338	110 a 112
18,9	92,6	1,08	7500	C55339	110 a 112
16,7	105	0,96	7500	C55340	110 a 112
14,9	117	0,85	7500	C55341	110 a 112
53,9	32,5	4,21	9900	C56330	113 a 115
46,6	37,6	3,64	9900	C56331	113 a 115
43,7	40,1	3,41	9900	C56332	113 a 115
39,1	44,7	3,05	9900	C56333	113 a 115
36,2	48,4	2,82	9900	C56334	113 a 115
29,9	58,5	2,34	9900	C56335	113 a 115
25,9	67,6	2,02	9900	C56337	113 a 115
21,9	80,0	1,71	9900	C56338	113 a 115
19,5	89,7	1,52	9900	C56339	113 a 115
16,5	106	1,28	9900	C56340	113 a 115
15,3	114	1,20	9900	C56341	113 a 115
13,6	128	1,06	9900	C56342	113 a 115
12,2	144	0,95	9900	C56343	113 a 115
10,9	160	0,85	9900	C56344	113 a 115
32,2	54,3	4,76	15000	C58335	116 a 118
29,5	59,3	4,35	16000	C58336	116 a 118
26,2	66,8	3,87	16000	C58337	116 a 118
23,9	73,2	3,32	16000	C58338	116 a 118
20,7	84,5	3,06	16000	C58339	116 a 118
18,1	96,6	2,67	16000	C58340	116 a 118
15,4	113	2,28	16000	C58341	116 a 118
13,9	126	2,04	16000	C58342	116 a 118
11,8	149	1,74	16000	C58343	116 a 118
11,0	159	1,63	16000	C58344	116 a 118
9,90	177	1,46	16000	C58345	116 a 118
8,89	197	1,31	16000	C58346	116 a 118
7,91	221	1,17	16000	C58347	116 a 118
17,4	100	4,98	19000	C60340	119 a 121
15,3	114	4,37	19000	C60341	119 a 121
13,6	128	3,89	19000	C60342	119 a 121
11,7	149	3,35	19000	C60343	119 a 121
10,6	165	3,03	19000	C60344	119 a 121
8,99	195	2,57	19000	C60345	119 a 121
8,48	206	2,42	19000	C60346	119 a 121
10,8	162	4,61	25000	C62344	122 a 124
9,56	183	4,10	23000	C62345	122 a 124
8,31	210	3,56	22000	C62346	122 a 124
7,50	233	3,21	20000	C62347	122 a 124



1,10 kW - 1750 rpm



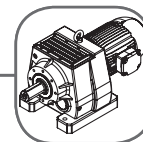
7,56	232	1,11	9400	C58447	149 a 151
6,99	250	1,03	9400	C58448	149 a 151



1,10 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
5,78	303	0,85	9400	C58450	149 a 151
8,08	216	2,31	10000	C60447	152 a 154
6,69	262	1,91	10000	C60448	152 a 154
5,78	303	1,65	10000	C60450	152 a 154
4,89	358	1,40	10000	C60451	152 a 154
4,36	402	1,24	10000	C60452	152 a 154
3,68	476	1,05	10000	C60454	152 a 154
3,05	574	0,87	10000	C60455	152 a 154
7,42	236	3,18	19000	C62447	155 a 157
6,59	266	2,82	19000	C62448	155 a 157
6,01	291	2,57	19000	C62449	155 a 157
5,21	336	2,23	19000	C62451	155 a 157
3,88	451	1,66	19000	C62453	155 a 157
3,49	502	1,49	19000	C62454	155 a 157
2,96	591	1,27	19000	C62455	155 a 157
2,78	630	1,19	19000	C62456	155 a 157
2,53	691	1,08	29000	C62557	155 a 157
2,25	778	0,96	29000	C62558	155 a 157
2,05	853	0,88	29000	C62559	155 a 157
6,19	282	4,72	53000	C64449	158 a 160
5,65	310	4,30	53000	C64450	158 a 160
4,89	358	3,73	53000	C64451	158 a 160
4,28	408	3,26	53000	C64452	158 a 160
3,65	480	2,78	53000	C64453	158 a 160
3,28	534	2,49	53000	C64455	158 a 160
2,78	629	2,12	53000	C64456	158 a 160
2,61	671	1,99	53000	C64457	158 a 160
2,16	809	1,65	53000	C64558	158 a 160
2,03	862	1,55	53000	C64559	158 a 160
1,68	1.041	1,28	53000	C64560	158 a 160
1,54	1.138	1,17	53000	C64561	158 a 160
1,37	1.281	1,04	53000	C64562	158 a 160
1,25	1.404	0,95	53000	C64563	158 a 160
3,76	466	4,65	64000	C66453	161 a 163
3,30	530	4,08	64000	C66455	161 a 163
2,94	595	3,64	64000	C66456	161 a 163
2,53	692	3,13	64000	C66457	161 a 163
2,04	859	2,52	62000	C66558	161 a 163
1,86	942	2,30	62000	C66559	161 a 163
1,74	1.003	2,16	62000	C66560	161 a 163
1,44	1.211	1,79	62000	C66561	161 a 163
1,32	1.324	1,64	62000	C66562	161 a 163
1,17	1.490	1,45	62000	C66563	161 a 163
1,07	1.634	1,33	62000	C66564	161 a 163
0,928	1.886	1,15	62000	C66565	161 a 163
0,812	2.155	1,00	62000	C66566	161 a 163
0,691	2.532	0,86	62000	C66568	161 a 163
2,74	639	4,69	120000	C68456	167 a 169
2,29	763	3,93	120000	C68457	167 a 169
2,07	844	3,55	120000	C68558	167 a 169



1,10 kW - 1750 rpm



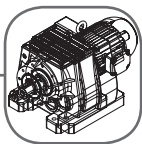
rpm	i _{tot}	fs	Fr (N)	código	páginas
1,79	979	3,06	120000	C68559	167 a 169
1,75	1.000	3,00	120000	C68560	167 a 169
1,62	1.081	2,77	120000	C68561	167 a 169
1,38	1.265	2,37	120000	C68562	167 a 169
1,20	1.461	2,05	120000	C68563	167 a 169
1,03	1.695	1,77	120000	C68564	167 a 169
0,955	1.832	1,64	120000	C68565	167 a 169
0,834	2.099	1,43	120000	C68566	167 a 169
0,718	2.436	1,23	120000	C68567	167 a 169
0,657	2.664	1,13	120000	C68568	167 a 169
0,591	2.963	1,01	120000	C68569	167 a 169
0,551	3.177	0,94	120000	C68570	167 a 169
0,493	3.552	0,84	120000	C68571	167 a 169
0,485	3.606	0,83	120000	C68671	167 a 169



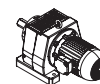
1,50 kW - 1750 rpm



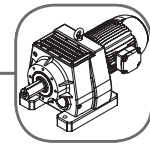
428	4,09	2,39	900	C51212	100 a 102
349	5,01	2,34	900	C51214	100 a 102
306	5,72	2,35	800	C51215	100 a 102
267	6,57	2,34	800	C51216	100 a 102
248	7,05	2,34	800	C51217	100 a 102
235	7,45	2,29	900	C51218	100 a 102
191	9,14	1,87	800	C51219	100 a 102
168	10,4	1,64	900	C51220	100 a 102
146	12,0	1,43	1800	C51221	100 a 102
136	12,9	1,14	1900	C51222	100 a 102
126	13,9	1,14	2100	C51223	100 a 102
110	15,9	1,08	2200	C51224	100 a 102
97,4	18,0	0,95	2400	C51225	100 a 102
86,8	20,2	0,85	2500	C51226	100 a 102
419	4,17	3,37	900	C52212	103 a 105
342	5,12	3,34	800	C52214	103 a 105
299	5,84	3,34	800	C52215	103 a 105
261	6,70	3,37	700	C52216	103 a 105
243	7,20	3,39	700	C52217	103 a 105
233	7,53	3,25	1000	C52218	103 a 105
190	9,23	2,65	1700	C52219	103 a 105
166	10,5	2,32	1700	C52220	103 a 105
145	12,1	2,02	1800	C52221	103 a 105
135	13,0	1,88	1800	C52222	103 a 105
124	14,1	1,74	1800	C52223	103 a 105
109	16,1	1,52	2000	C52224	103 a 105
96,5	18,1	1,28	2300	C52225	103 a 105
86,0	20,3	1,20	2500	C52226	103 a 105
74,7	23,4	1,04	2900	C52227	103 a 105
69,3	25,2	0,97	3800	C52228	103 a 105
63,2	27,7	0,88	3600	C52229	103 a 105
79,6	22,0	1,11	3700	C52327	103 a 105
66,6	26,3	0,93	4100	C52328	103 a 105
59,0	29,7	0,82	4500	C52329	103 a 105
341	5,1	3,57	2400	C53214	106
298	5,9	3,44	2470	C53215	106
272	6,4	3,42	2650	C53216	106



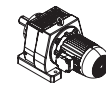
1,50 kW - 1750 rpm



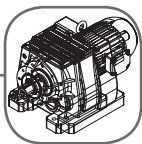
rpm	i_{tot}	fs	Fr (N)	código	páginas
235	7,4	3,29	2750	C53217	106
213	8,2	3,27	2700	C53218	106
201	8,7	3,50	2750	C53219	106
176	10,0	3,68	2900	C53220	106
160	10,9	3,35	3000	C53221	106
139	12,6	2,90	3080	C53222	106
125	14,0	2,62	3230	C53223	106
113	15,5	2,36	3300	C53224	106
101	17,4	2,11	3390	C53225	106
89,6	19,5	1,88	3530	C53226	106
79,0	22,2	1,65	3710	C53227	106
110,2	15,9	2,31	3350	C53324	106
96,4	18,2	2,02	3500	C53325	106
87,9	19,9	1,84	3500	C53326	106
76,1	23,0	1,59	3800	C53327	106
68,8	25,4	1,44	4000	C53328	106
64,9	27,0	1,36	4000	C53329	106
56,7	30,9	1,19	4300	C53330	106
51,7	33,8	1,08	4500	C53331	106
44,8	39,1	0,94	4600	C53332	106
40,5	43,2	0,85	4930	C53333	106
148	11,8	4,66	3600	C54221	107 a 109
125	14,0	3,94	3800	C54223	107 a 109
112	15,7	3,51	4000	C54224	107 a 109
94,3	18,6	2,96	4300	C54225	107 a 109
87,8	19,9	2,76	4600	C54226	107 a 109
78,1	22,4	2,45	4700	C54227	107 a 109
79,2	22,1	2,49	5300	C54327	107 a 109
64,6	27,1	2,03	5500	C54329	107 a 109
56,6	30,9	1,78	5900	C54330	107 a 109
49,3	35,5	1,55	6100	C54331	107 a 109
45,9	38,1	1,44	6400	C54332	107 a 109
40,9	42,8	1,28	6600	C54333	107 a 109
33,3	52,5	1,05	6900	C54334	107 a 109
29,2	60,0	0,92	7100	C54335	107 a 109
25,4	68,8	0,80	7100	C54336	107 a 109
110	15,9	4,62	7100	C55224	110 a 112
93,0	18,8	3,90	7300	C55225	110 a 112
86,6	20,2	3,63	7500	C55226	110 a 112
77,1	22,7	3,23	8000	C55227	110 a 112
68,9	25,4	2,24	8000	C55228	110 a 112
61,7	28,4	2,22	8000	C55229	110 a 112
78,1	22,4	3,27	7900	C55327	110 a 112
63,7	27,5	2,67	7700	C55329	110 a 112
55,8	31,4	2,34	7500	C55330	110 a 112
48,6	36,0	2,04	7500	C55331	110 a 112
45,3	38,6	1,90	7500	C55332	110 a 112
40,3	43,4	1,69	7500	C55333	110 a 112
32,9	53,3	1,38	7500	C55334	110 a 112
28,8	60,8	1,21	7500	C55335	110 a 112
25,1	69,8	1,05	7500	C55336	110 a 112
23,4	74,9	0,98	7500	C55337	110 a 112
21,5	81,2	0,90	7500	C55338	110 a 112



1,50 kW - 1750 rpm



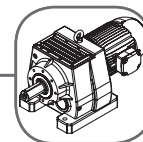
rpm	i_{tot}	fs	Fr (N)	código	páginas
83,6	20,9	4,78	7900	C56226	113 a 115
71,0	24,7	4,06	8200	C56227	113 a 115
66,6	26,3	3,81	8800	C56228	113 a 115
78,6	22,3	4,50	9900	C56327	113 a 115
70,4	24,8	4,03	9900	C56328	113 a 115
65,1	26,9	3,73	9900	C56329	113 a 115
53,9	32,5	3,08	9900	C56330	113 a 115
46,6	37,6	2,67	9900	C56331	113 a 115
43,7	40,1	2,50	9900	C56332	113 a 115
39,1	44,7	2,24	9900	C56333	113 a 115
36,2	48,4	2,07	9900	C56334	113 a 115
29,9	58,5	1,71	9900	C56335	113 a 115
25,9	67,6	1,48	9900	C56337	113 a 115
21,9	80,0	1,25	9900	C56338	113 a 115
19,5	89,7	1,12	9900	C56339	113 a 115
16,5	106	0,94	9900	C56340	113 a 115
15,3	114	0,88	9900	C56341	113 a 115
42,7	41,0	4,62	13000	C58332	116 a 118
37,0	47,3	4,00	15000	C58333	116 a 118
32,2	54,3	3,49	15000	C58335	116 a 118
29,5	59,3	3,19	16000	C58336	116 a 118
26,2	66,8	2,84	16000	C58337	116 a 118
23,9	73,2	2,44	16000	C58338	116 a 118
20,7	84,5	2,24	16000	C58339	116 a 118
18,1	96,6	1,96	16000	C58340	116 a 118
15,4	113	1,67	16000	C58341	116 a 118
13,9	126	1,50	16000	C58342	116 a 118
11,8	149	1,27	16000	C58343	116 a 118
11,0	159	1,19	16000	C58344	116 a 118
9,90	177	1,07	16000	C58345	116 a 118
8,89	197	0,96	16000	C58346	116 a 118
7,91	221	0,86	16000	C58347	116 a 118
22,9	76,3	4,80	19000	C60337	119 a 121
20,9	83,7	4,38	19000	C60338	119 a 121
18,8	92,9	3,95	19000	C60339	119 a 121
17,4	100	3,65	19000	C60340	119 a 121
15,3	114	3,20	19000	C60341	119 a 121
13,6	128	2,86	19000	C60342	119 a 121
11,7	149	2,46	19000	C60343	119 a 121
10,6	165	2,22	19000	C60344	119 a 121
8,99	195	1,88	19000	C60345	119 a 121
8,48	206	1,78	19000	C60346	119 a 121
15,7	111	4,93	29000	C62340	122 a 124
14,4	122	4,51	29000	C62341	122 a 124
12,9	136	4,06	28000	C62342	122 a 124
12,0	145	3,78	26000	C62343	122 a 124
10,8	162	3,38	25000	C62344	122 a 124
9,56	183	3,00	23000	C62345	122 a 124
8,31	210	2,61	22000	C62346	122 a 124
7,50	233	2,36	20000	C62347	122 a 124
8,76	200	4,89	53000	C64346	125 a 127
7,90	221	4,41	53000	C64347	125 a 127



1,50 kW - 1750 rpm



rpm	ítot	fs	Fr (N)	código	páginas
7,56	232	0,82	9400	C58447	1493 a 151
8,08	216	1,69	10000	C60447	152 a 154
6,69	262	1,40	10000	C60448	152 a 154
5,78	303	1,21	10000	C60450	152 a 154
4,89	358	1,02	10000	C60451	152 a 154
4,36	402	0,91	10000	C60452	152 a 154
7,42	236	2,33	19000	C62447	155 a 157
6,59	266	2,07	19000	C62448	155 a 157
6,01	291	1,89	19000	C62449	155 a 157
5,21	336	1,64	19000	C62451	155 a 157
3,88	451	1,22	19000	C62453	155 a 157
3,49	502	1,09	19000	C62454	155 a 157
2,96	591	0,93	19000	C62455	155 a 157
2,78	630	0,87	19000	C62456	155 a 157
2,53	691	0,80	29000	C62557	155 a 157
6,97	251	3,89	53000	C64448	158 a 160
6,19	282	3,46	53000	C64449	158 a 160
5,65	310	3,16	53000	C64450	158 a 160
4,89	358	2,73	53000	C64451	158 a 160
4,28	408	2,39	53000	C64452	158 a 160
3,65	480	2,04	53000	C64453	158 a 160
3,28	534	1,83	53000	C64455	158 a 160
2,78	629	1,55	53000	C64456	158 a 160
2,61	671	1,46	53000	C64457	158 a 160
2,16	809	1,21	53000	C64558	158 a 160
2,03	862	1,13	53000	C64559	158 a 160
1,68	1.041	0,94	53000	C64560	158 a 160
1,54	1.138	0,86	53000	C64561	158 a 160
4,94	354	4,49	64000	C66451	161 a 163
4,51	388	4,09	64000	C66452	161 a 163
3,76	466	3,41	64000	C66453	161 a 163
3,30	530	2,99	64000	C66455	161 a 163
2,94	595	2,67	64000	C66456	161 a 163
2,53	692	2,29	64000	C66457	161 a 163
2,04	859	1,85	62000	C66558	161 a 163
1,86	942	1,69	62000	C66559	161 a 163
1,74	1.003	1,58	62000	C66560	161 a 163
1,44	1.211	1,31	62000	C66561	161 a 163
1,32	1.324	1,20	62000	C66562	161 a 163
1,17	1.490	1,07	62000	C66563	161 a 163
1,07	1.634	0,97	62000	C66564	161 a 163
0,928	1.886	0,84	62000	C66565	161 a 163
3,80	461	4,77	120000	C68453	167 a 169
3,29	532	4,13	120000	C68454	167 a 169
3,01	582	3,78	120000	C68455	167 a 169
2,74	639	3,44	120000	C68456	167 a 169
2,29	763	2,88	120000	C68457	167 a 169
2,07	844	2,61	120000	C68558	167 a 169
1,79	979	2,25	120000	C68559	167 a 169
1,75	1.000	2,20	120000	C68560	167 a 169
1,62	1.081	2,03	120000	C68561	167 a 169



1,50 kW - 1750 rpm



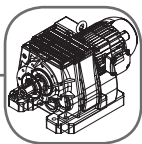
rpm	itot	fs	Fr (N)	código	páginas
1,38	1.265	1,74	120000	C68562	167 a 169
1,20	1.461	1,51	120000	C68563	167 a 169
1,03	1.695	1,30	120000	C68564	167 a 169
0,955	1.832	1,20	120000	C68565	167 a 169
0,834	2.099	1,05	120000	C68566	167 a 169
0,718	2.436	0,90	120000	C68567	167 a 169
0,657	2.664	0,83	120000	C68568	167 a 169



2,20 kW - 1750 rpm



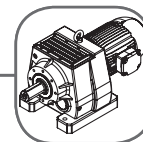
428	4,09	1,63	900	C51212	100 a 102
349	5,01	1,59	900	C51214	100 a 102
306	5,72	1,60	800	C51215	100 a 102
267	6,57	1,60	800	C51216	100 a 102
248	7,05	1,59	800	C51217	100 a 102
235	7,45	1,56	900	C51218	100 a 102
191	9,14	1,28	800	C51219	100 a 102
168	10,4	1,12	900	C51220	100 a 102
146	12,0	0,97	1800	C51221	100 a 102
419	4,17	2,29	900	C52212	103 a 105
342	5,12	2,28	800	C52214	103 a 105
299	5,84	2,28	800	C52215	103 a 105
261	6,70	2,30	700	C52216	103 a 105
243	7,20	2,31	700	C52217	103 a 105
233	7,53	2,21	1000	C52218	103 a 105
190	9,23	1,80	1700	C52219	103 a 105
166	10,5	1,58	1700	C52220	103 a 105
145	12,1	1,38	1800	C52221	103 a 105
135	13,0	1,28	1800	C52222	103 a 105
124	14,1	1,18	1800	C52223	103 a 105
109	16,1	1,04	2000	C52224	103 a 105
96,5	18,1	0,87	2300	C52225	103 a 105
86,0	20,3	0,82	2500	C52226	103 a 105
341	5,1	2,44	2400	C53214	106
298	5,9	2,34	2470	C53215	106
272	6,4	2,33	2650	C53216	106
235	7,4	2,24	2750	C53217	106
213	8,2	2,23	2700	C53218	106
201	8,7	2,39	2750	C53219	106
176	10,0	2,51	2900	C53220	106
160	10,9	2,29	3000	C53221	106
139	12,6	1,98	3080	C53222	106
125	14,0	1,79	3230	C53223	106
113	15,5	1,61	3300	C53224	106
101	17,4	1,44	3390	C53225	106
89,6	19,5	1,28	3530	C53226	106
79,0	22,2	1,13	3710	C53227	106
110,2	15,9	1,57	3350	C53324	106
96,4	18,2	1,38	3500	C53325	106
87,9	19,9	1,25	3500	C53326	106
76,1	23,0	1,09	3800	C53327	106
68,8	25,4	0,98	4000	C53328	106
64,9	27,0	0,93	4000	C53339	106
56,7	30,9	0,81	4300	C53330	106



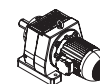
2,20 kW - 1750 rpm



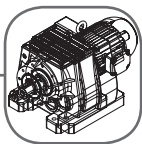
rpm	i_{tot}	fs	Fr (N)	código	páginas
419	4,18	4,55	1700	C54212	107 a 109
375	4,66	4,65	1900	C54213	107 a 109
347	5,04	4,46	2000	C54214	107 a 109
287	6,09	4,58	2000	C54216	107 a 109
250	7,00	4,76	3100	C54217	107 a 109
224	7,80	4,59	3300	C54218	107 a 109
207	8,44	4,44	3400	C54219	107 a 109
172	10,2	3,67	3600	C54220	107 a 109
148	11,8	3,18	3600	C54221	107 a 109
125	14,0	2,69	3800	C54223	107 a 109
112	15,7	2,39	4000	C54224	107 a 109
94,3	18,6	2,02	4300	C54225	107 a 109
87,8	19,9	1,88	4600	C54226	107 a 109
78,1	22,4	1,67	4700	C54227	107 a 109
79,2	22,1	1,70	5300	C54327	107 a 109
64,6	27,1	1,38	5500	C54329	107 a 109
56,6	30,9	1,21	5900	C54330	107 a 109
49,3	35,5	1,06	6100	C54331	107 a 109
45,9	38,1	0,98	6400	C54332	107 a 109
40,9	42,8	0,88	6600	C54333	107 a 109
169	10,3	4,83	6500	C55220	110 a 112
146	12,0	4,18	6600	C55221	110 a 112
124	14,2	3,53	6900	C55223	110 a 112
110	15,9	3,15	7100	C55224	110 a 112
93,0	18,8	2,66	7300	C55225	110 a 112
86,6	20,2	2,47	7500	C55226	110 a 112
77,1	22,7	2,20	8000	C55227	110 a 112
68,9	25,4	1,52	8000	C55228	110 a 112
61,7	28,4	1,51	8000	C55229	110 a 112
78,1	22,4	2,23	7900	C55327	110 a 112
63,7	27,5	1,82	7700	C55329	110 a 112
55,8	31,4	1,59	7500	C55330	110 a 112
48,6	36,0	1,39	7500	C55331	110 a 112
45,3	38,6	1,29	7500	C55332	110 a 112
40,3	43,4	1,15	7500	C55333	110 a 112
32,9	53,3	0,94	7500	C55334	110 a 112
28,8	60,8	0,82	7500	C55335	110 a 112
125	14,0	4,87	7000	C56223	113 a 115
109	16,0	4,26	7300	C56224	113 a 115
93,0	18,8	3,63	7600	C56225	113 a 115
83,6	20,9	3,26	7900	C56226	113 a 115
71,0	24,7	2,77	8200	C56227	113 a 115
66,6	26,3	2,60	8800	C56228	113 a 115
78,6	22,3	3,07	9900	C56327	113 a 115
70,4	24,8	2,75	9900	C56328	113 a 115
65,1	26,9	2,54	9900	C56329	113 a 115
53,9	32,5	2,10	9900	C56330	113 a 115
46,6	37,6	1,82	9900	C56331	113 a 115
43,7	40,1	1,70	9900	C56332	113 a 115
39,1	44,7	1,53	9900	C56333	113 a 115
36,2	48,4	1,41	9900	C56334	113 a 115
29,9	58,5	1,17	9900	C56335	113 a 115
25,9	67,6	1,01	9900	C56337	113 a 115
21,9	80,0	0,85	9900	C56338	113 a 115



2,20 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
65,2	26,8	4,81	7800	C58229	116 a 118
59,0	29,7	4,35	9400	C58230	116 a 118
72,5	24,2	5,35	15000	C58327	116 a 118
69,6	25,2	5,13	16000	C58328	116 a 118
57,6	30,4	4,25	16000	C58329	116 a 118
52,7	33,2	3,89	16000	C58330	116 a 118
46,8	37,4	3,45	16000	C58331	116 a 118
42,7	41,0	3,15	13000	C58332	116 a 118
37,0	47,3	2,73	15000	C58333	116 a 118
32,2	54,3	2,38	15000	C58335	116 a 118
29,5	59,3	2,18	16000	C58336	116 a 118
26,2	66,8	1,93	16000	C58337	116 a 118
23,9	73,2	1,66	16000	C58338	116 a 118
20,7	84,5	1,53	16000	C58339	116 a 118
18,1	96,6	1,34	16000	C58340	116 a 118
15,4	113	1,14	16000	C58341	116 a 118
13,9	126	1,02	16000	C58342	116 a 118
11,8	149	0,87	16000	C58343	116 a 118
11,0	159	0,81	16000	C58344	116 a 118
34,2	51,2	4,88	18000	C60334	119 a 121
31,3	55,9	4,47	19000	C60335	119 a 121
27,0	64,9	3,85	19000	C60336	119 a 121
22,9	76,3	3,27	19000	C60337	119 a 121
20,9	83,7	2,99	19000	C60338	119 a 121
18,8	92,9	2,69	19000	C60339	119 a 121
17,4	100	2,49	19000	C60340	119 a 121
15,3	114	2,18	19000	C60341	119 a 121
13,6	128	1,95	19000	C60342	119 a 121
11,7	149	1,67	19000	C60343	119 a 121
10,6	165	1,51	19000	C60344	119 a 121
8,99	195	1,28	19000	C60345	119 a 121
8,48	206	1,21	19000	C60346	119 a 121
22,6	77,5	4,83	29000	C62337	122 a 124
20,9	83,8	4,47	29000	C62338	122 a 124
18,2	96,0	3,90	29000	C62339	122 a 124
15,7	111	3,36	29000	C62340	122 a 124
14,4	122	3,08	29000	C62341	122 a 124
12,9	136	2,77	28000	C62342	122 a 124
12,0	145	2,58	26000	C62343	122 a 124
10,8	162	2,31	25000	C62344	122 a 124
9,56	183	2,05	23000	C62345	122 a 124
8,31	210	1,78	22000	C62346	122 a 124
7,50	233	1,61	20000	C62347	122 a 124
12,7	138	4,83	53000	C64343	125 a 127
11,4	154	4,32	53000	C64344	125 a 127
10,1	174	3,84	53000	C64345	125 a 127
8,76	200	3,34	53000	C64346	125 a 127
7,90	221	3,01	53000	C64347	125 a 127
7,71	227	4,77	62000	C66347	128 a 130



2,20 kW - 1750 rpm



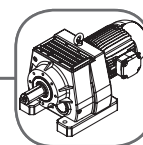
rpm	i_{tot}	fs	Fr (N)	código	páginas
8,08	216	1,15	10000	C60447	152 a 154
6,69	262	0,95	10000	C60448	152 a 154
5,78	303	0,83	10000	C60450	152 a 154
7,42	236	1,59	19000	C62447	155 a 157
6,59	266	1,41	19000	C62448	155 a 157
6,01	291	1,29	19000	C62449	155 a 157
5,21	336	1,12	19000	C62451	155 a 157
3,88	451	0,83	19000	C62453	155 a 157
6,97	251	2,65	53000	C64448	158 a 160
6,19	282	2,36	53000	C64449	158 a 160
5,65	310	2,15	53000	C64450	158 a 160
4,89	358	1,86	53000	C64451	158 a 160
4,28	408	1,63	53000	C64452	158 a 160
3,65	480	1,39	53000	C64453	158 a 160
3,28	534	1,25	53000	C64455	158 a 160
2,78	629	1,06	53000	C64456	158 a 160
2,61	671	0,99	53000	C64457	158 a 160
2,16	809	0,82	53000	C64558	158 a 160
6,75	259	4,18	64000	C66448	161 a 163
5,82	301	3,60	64000	C66450	161 a 163
4,94	354	3,06	64000	C66451	161 a 163
4,51	388	2,79	64000	C66452	161 a 163
3,76	466	2,33	64000	C66453	161 a 163
3,30	530	2,04	64000	C66455	161 a 163
2,94	595	1,82	64000	C66456	161 a 163
2,53	692	1,56	64000	C66457	161 a 163
2,04	859	1,26	62000	C66558	161 a 163
1,86	942	1,15	62000	C66559	161 a 163
1,74	1.003	1,08	62000	C66560	161 a 163
1,44	1.211	0,89	62000	C66561	161 a 163
1,32	1.324	0,82	62000	C66562	161 a 163
5,34	328	4,57	120000	C68450	167 a 169
4,73	370	4,05	120000	C68451	167 a 169
4,39	399	3,76	120000	C68452	167 a 169
3,80	461	3,25	120000	C68453	167 a 169
3,29	532	2,82	120000	C68454	167 a 169
3,01	582	2,58	120000	C68455	167 a 169
2,74	639	2,35	120000	C68456	167 a 169
2,29	763	1,97	120000	C68457	167 a 169
2,07	844	1,78	120000	C68558	167 a 169
1,79	979	1,53	120000	C68559	167 a 169
1,75	1.000	1,50	120000	C68560	167 a 169
1,62	1.081	1,39	120000	C68561	167 a 169
1,38	1.265	1,18	120000	C68562	167 a 169
1,20	1.461	1,03	120000	C68563	167 a 169
1,03	1.695	0,88	120000	C68564	167 a 169
0,955	1.832	0,82	120000	C68565	167 a 169



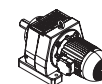
3,00 kW - 1750 rpm





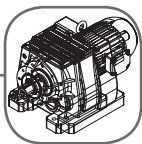
428	4,09	1,20	900	C51212	100 a 102
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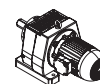
3,00 kW - 1750 rpm



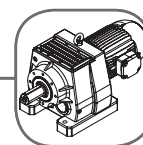
rpm	 itot	 fs	Fr (N)	código	páginas
349	5,01	1,17	900	C51214	100 a 102
306	5,72	1,17	800	C51215	100 a 102
267	6,57	1,17	800	C51216	100 a 102
248	7,05	1,17	800	C51217	100 a 102
235	7,45	1,15	900	C51218	100 a 102
191	9,14	0,94	800	C51219	100 a 102
168	10,4	0,82	900	C51220	100 a 102
419	4,17	1,68	900	C52212	103 a 105
342	5,12	1,67	800	C52214	103 a 105
299	5,84	1,67	800	C52215	103 a 105
261	6,70	1,69	700	C52216	103 a 105
243	7,20	1,70	700	C52217	103 a 105
233	7,53	1,62	1000	C52218	103 a 105
190	9,23	1,32	1700	C52219	103 a 105
166	10,5	1,16	1700	C52220	103 a 105
145	12,1	1,01	1800	C52221	103 a 105
135	13,0	0,94	1800	C52222	103 a 105
124	14,1	0,87	1800	C52223	103 a 105
341	5,1	1,79	2400	C53214	106
298	5,9	1,72	2470	C53215	106
272	6,4	1,71	2650	C53216	106
235	7,4	1,64	2750	C53217	106
213	8,2	1,63	2700	C53218	106
201	8,7	1,75	2750	C53219	106
176	10,0	1,84	2900	C53220	106
160	10,9	1,68	3000	C53221	106
139	12,6	1,45	3080	C53222	106
125	14,0	1,31	3230	C53223	106
113	15,5	1,18	3300	C53224	106
101	17,4	1,06	3390	C53225	106
89,6	19,5	0,94	3530	C53226	106
79,0	22,2	0,83	3710	C53227	106
110,2	15,9	1,15	3350	C53324	106
96,4	18,2	1,01	3500	C53325	106
87,9	19,9	0,92	3500	C53326	106
76,1	23,0	0,80	3800	C53327	106
419	4,18	3,34	1700	C54212	107 a 109
375	4,66	3,41	1900	C54213	107 a 109
347	5,04	3,27	2000	C54214	107 a 109
287	6,09	3,36	2000	C54216	107 a 109
250	7,00	3,49	3100	C54217	107 a 109
224	7,80	3,37	3300	C54218	107 a 109
207	8,44	3,26	3400	C54219	107 a 109
172	10,2	2,69	3600	C54220	107 a 109
148	11,8	2,33	3600	C54221	107 a 109
125	14,0	1,97	3800	C54223	107 a 109
112	15,7	1,76	4000	C54224	107 a 109
94,3	18,6	1,48	4300	C54225	107 a 109
87,8	19,9	1,38	4600	C54226	107 a 109
78,1	22,4	1,23	4700	C54227	107 a 109
79,2	22,1	1,24	5300	C54327	107 a 109
64,6	27,1	1,01	5500	C54329	107 a 109
56,6	30,9	0,89	5900	C54330	107 a 109



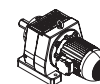
3,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
472	3,71	4,18	5200	C55212	110 a 112
392	4,47	4,10	5400	C55213	110 a 112
324	5,40	4,07	5500	C55215	110 a 112
280	6,25	4,11	5700	C55216	110 a 112
247	7,09	4,13	5800	C55217	110 a 112
221	7,91	4,09	5900	C55218	110 a 112
205	8,56	4,07	6200	C55219	110 a 112
169	10,3	3,54	6500	C55220	110 a 112
146	12,0	3,06	6600	C55221	110 a 112
124	14,2	2,59	6900	C55223	110 a 112
110	15,9	2,31	7100	C55224	110 a 112
93,0	18,8	1,95	7300	C55225	110 a 112
86,6	20,2	1,81	7500	C55226	110 a 112
77,1	22,7	1,61	8000	C55227	110 a 112
68,9	25,4	1,12	8000	C55228	110 a 112
61,7	28,4	1,11	8000	C55229	110 a 112
78,1	22,4	1,64	7900	C55327	110 a 112
63,7	27,5	1,33	7700	C55329	110 a 112
55,8	31,4	1,17	7500	C55330	110 a 112
48,6	36,0	1,02	7500	C55331	110 a 112
45,3	38,6	0,95	7500	C55332	110 a 112
40,3	43,4	0,84	7500	C55333	110 a 112
158	11,1	4,52	6400	C56221	113 a 115
144	12,1	4,12	6700	C56222	113 a 115
125	14,0	3,57	7000	C56223	113 a 115
109	16,0	3,13	7300	C56224	113 a 115
93,0	18,8	2,66	7600	C56225	113 a 115
83,6	20,9	2,39	7900	C56226	113 a 115
71,0	24,7	2,03	8200	C56227	113 a 115
66,6	26,3	1,90	8800	C56228	113 a 115
78,6	22,3	2,25	9900	C56327	113 a 115
70,4	24,8	2,02	9900	C56328	113 a 115
65,1	26,9	1,86	9900	C56329	113 a 115
53,9	32,5	1,54	9900	C56330	113 a 115
46,6	37,6	1,33	9900	C56331	113 a 115
43,7	40,1	1,25	9900	C56332	113 a 115
39,1	44,7	1,12	9900	C56333	113 a 115
36,2	48,4	1,04	9900	C56334	113 a 115
29,9	58,5	0,86	9900	C56335	113 a 115
85,1	20,6	4,60	10000	C58226	116 a 118
75,8	23,1	3,77	10000	C58227	116 a 118
65,2	26,8	3,53	7800	C58229	116 a 118
59,0	29,7	3,19	9400	C58230	116 a 118
72,5	24,2	3,92	15000	C58327	116 a 118
69,6	25,2	3,76	16000	C58328	116 a 118
57,6	30,4	3,12	16000	C58329	116 a 118
52,7	33,2	2,85	16000	C58330	116 a 118
46,8	37,4	2,53	16000	C58331	116 a 118
42,7	41,0	2,31	13000	C58332	116 a 118
37,0	47,3	2,00	15000	C58333	116 a 118
32,2	54,3	1,74	15000	C58335	116 a 118
29,5	59,3	1,60	16000	C58336	116 a 118
26,2	66,8	1,42	16000	C58337	116 a 118
23,9	73,2	1,22	16000	C58338	116 a 118



3,00 kW - 1750 rpm



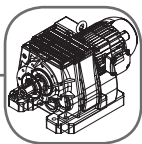
rpm	i_{tot}	fs	Fr (N)	código	páginas
20,7	84,5	1,12	16000	C58339	116 a 118
18,1	96,6	0,98	16000	C58340	116 a 118
15,4	113	0,83	16000	C58341	116 a 118
44,8	39,1	4,69	19000	C60332	119 a 121
40,5	43,3	4,24	19000	C60333	119 a 121
34,2	51,2	3,58	18000	C60334	119 a 121
31,3	55,9	3,28	19000	C60335	119 a 121
27,0	64,9	2,82	19000	C60336	119 a 121
22,9	76,3	2,40	19000	C60337	119 a 121
20,9	83,7	2,19	19000	C60338	119 a 121
18,8	92,9	1,97	19000	C60339	119 a 121
17,4	100	1,83	19000	C60340	119 a 121
15,3	114	1,60	19000	C60341	119 a 121
13,6	128	1,43	19000	C60342	119 a 121
11,7	149	1,23	19000	C60343	119 a 121
10,6	165	1,11	19000	C60344	119 a 121
8,99	195	0,94	19000	C60345	119 a 121
8,48	206	0,89	19000	C60346	119 a 121
30,2	57,9	4,75	29000	C62335	122 a 124
26,2	66,8	4,11	29000	C62336	122 a 124
22,6	77,5	3,54	29000	C62337	122 a 124
20,9	83,8	3,28	29000	C62338	122 a 124
18,2	96,0	2,86	29000	C62339	122 a 124
15,7	111	2,47	29000	C62340	122 a 124
14,4	122	2,26	29000	C62341	122 a 124
12,9	136	2,03	28000	C62342	122 a 124
12,0	145	1,89	26000	C62343	122 a 124
10,8	162	1,69	25000	C62344	122 a 124
9,56	183	1,50	23000	C62345	122 a 124
8,31	210	1,31	22000	C62346	122 a 124
7,50	233	1,18	20000	C62347	122 a 124
16,6	106	4,62	53000	C64340	125 a 127
15,1	116	4,23	53000	C64341	125 a 127
13,6	129	3,80	53000	C64342	125 a 127
12,7	138	3,54	53000	C64343	125 a 127
11,4	154	3,17	53000	C64344	125 a 127
10,1	174	2,81	53000	C64345	125 a 127
8,76	200	2,45	53000	C64346	125 a 127
7,90	221	2,21	53000	C64347	125 a 127
9,91	177	4,50	62000	C66345	128 a 130
8,85	198	4,01	62000	C66346	128 a 130
7,71	227	3,50	62000	C66347	128 a 130
7,49	234	4,70	120000	C68347	131 a 133



3,00 kW - 1750 rpm



8,08	216	0,85	10000	C60447	152 a 154
7,42	236	1,16	19000	C62447	155 a 157
6,59	266	1,03	19000	C62448	155 a 157
6,01	291	0,94	19000	C62449	155 a 157
5,21	336	0,82	19000	C62451	155 a 157



3,00 kW - 1750 rpm



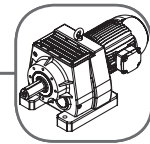
rpm	i_{tot}	fs	Fr (N)	código	páginas
6,97	251	1,95	53000	C64448	158 a 160
6,19	282	1,73	53000	C64449	158 a 160
5,65	310	1,58	53000	C64450	158 a 160
4,89	358	1,37	53000	C64451	158 a 160
4,28	408	1,20	53000	C64452	158 a 160
3,65	480	1,02	53000	C64453	158 a 160
3,28	534	0,91	53000	C64455	158 a 160
6,75	259	3,06	64000	C66448	161 a 163
5,82	301	2,64	64000	C66450	161 a 163
4,94	354	2,24	64000	C66451	161 a 163
4,51	388	2,05	64000	C66452	161 a 163
3,76	466	1,71	64000	C66453	161 a 163
3,30	530	1,50	64000	C66455	161 a 163
2,94	595	1,33	64000	C66456	161 a 163
2,53	692	1,15	64000	C66457	161 a 163
2,04	859	0,92	62000	C66558	161 a 163
1,86	942	0,84	62000	C66559	161 a 163
7,06	248	4,44	120000	C68448	167 a 169
6,10	287	3,83	120000	C68449	167 a 169
5,34	328	3,35	120000	C68450	167 a 169
4,73	370	2,97	120000	C68451	167 a 169
4,39	399	2,76	120000	C68452	167 a 169
3,80	461	2,39	120000	C68453	167 a 169
3,29	532	2,07	120000	C68454	167 a 169
3,01	582	1,89	120000	C68455	167 a 169
2,74	639	1,72	120000	C68456	167 a 169
2,29	763	1,44	120000	C68457	167 a 169
2,07	844	1,30	120000	C68558	167 a 169
1,79	979	1,12	120000	C68559	167 a 169
1,75	1.000	1,10	120000	C68560	167 a 169
1,62	1.081	1,02	120000	C68561	167 a 169
1,38	1.265	0,87	120000	C68562	167 a 169



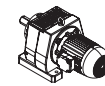
3,70 kW - 1750 rpm



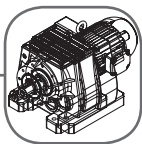
428	4,09	0,97	900	C51212	100 a 102
349	5,01	0,95	900	C51214	100 a 102
306	5,72	0,95	800	C51215	100 a 102
267	6,57	0,95	800	C51216	100 a 102
248	7,05	0,95	800	C51217	100 a 102
235	7,45	0,93	900	C51218	100 a 102
419	4,17	1,36	900	C52212	103 a 105
342	5,12	1,35	800	C52214	103 a 105
299	5,84	1,36	800	C52215	103 a 105
261	6,70	1,37	700	C52216	103 a 105
243	7,20	1,38	700	C52217	103 a 105
233	7,53	1,32	1000	C52218	103 a 105
190	9,23	1,07	1700	C52219	103 a 105
166	10,5	0,94	1700	C52220	103 a 105
145	12,1	0,82	1800	C52221	103 a 105
341	5,1	1,45	2400	C53214	106
298	5,9	1,39	2470	C53215	106



3,70 kW - 1750 rpm



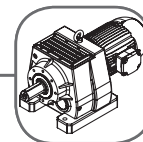
rpm	i_{tot}	fs	Fr (N)	código	páginas
272	6,4	1,39	2650	C53216	106
235	7,4	1,33	2750	C53217	106
213	8,2	1,33	2700	C53218	106
201	8,7	1,42	2750	C53219	106
176	10,0	1,49	2900	C53220	106
160	10,9	1,36	3000	C53221	106
139	12,6	1,18	3080	C53222	106
125	14,0	1,06	3230	C53223	106
113	15,5	0,96	3300	C53224	106
101	17,4	0,86	3390	C53225	106
89,6	19,5	0,76	3530	C53226	106
79,0	22,2	0,67	3710	C53227	106
110	15,9	0,94	3350	C53324	106
96,4	18,2	0,82	3500	C53325	106
419	4,18	2,71	1700	C54212	107 a 109
375	4,66	2,76	1900	C54213	107 a 109
347	5,04	2,65	2000	C54214	107 a 109
287	6,09	2,72	2000	C54216	107 a 109
250	7,00	2,83	3100	C54217	107 a 109
224	7,80	2,73	3300	C54218	107 a 109
207	8,44	2,64	3400	C54219	107 a 109
172	10,2	2,18	3600	C54220	107 a 109
148	11,8	1,89	3600	C54221	107 a 109
125	14,0	1,60	3800	C54223	107 a 109
112	15,7	1,42	4000	C54224	107 a 109
94,3	18,6	1,20	4300	C54225	107 a 109
87,8	19,9	1,12	4600	C54226	107 a 109
78,1	22,4	1,00	4700	C54227	107 a 109
79,2	22,1	1,01	5300	C54327	107 a 109
64,6	27,1	0,82	5500	C54329	107 a 109
472	3,71	3,39	5200	C55212	110 a 112
392	4,47	3,32	5400	C55213	110 a 112
324	5,40	3,30	5500	C55215	110 a 112
280	6,25	3,33	5700	C55216	110 a 112
247	7,09	3,35	5800	C55217	110 a 112
221	7,91	3,32	5900	C55218	110 a 112
205	8,56	3,30	6200	C55219	110 a 112
169	10,3	2,87	6500	C55220	110 a 112
146	12,0	2,48	6600	C55221	110 a 112
124	14,2	2,10	6900	C55223	110 a 112
110	15,9	1,87	7100	C55224	110 a 112
93,0	18,8	1,58	7300	C55225	110 a 112
86,6	20,2	1,47	7500	C55226	110 a 112
77,1	22,7	1,31	8000	C55227	110 a 112
68,9	25,4	0,91	8000	C55228	110 a 112
61,7	28,4	0,90	8000	C55229	110 a 112
78,1	22,4	1,33	7900	C55327	110 a 112
63,7	27,5	1,08	7700	C55329	110 a 112
55,8	31,4	0,95	7500	C55330	110 a 112
48,6	36,0	0,83	7500	C55331	110 a 112
194	9,00	4,51	4100	C56219	113 a 115
178	9,84	4,13	6300	C56220	113 a 115
158	11,1	3,67	6400	C56221	113 a 115
144	12,1	3,34	6700	C56222	113 a 115



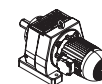
3,70 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
125	14,0	2,90	7000	C56223	113 a 115
109	16,0	2,54	7300	C56224	113 a 115
93,0	18,8	2,16	7600	C56225	113 a 115
83,6	20,9	1,94	7900	C56226	113 a 115
71,0	24,7	1,65	8200	C56227	113 a 115
66,6	26,3	1,54	8800	C56228	113 a 115
78,6	22,3	1,82	9900	C56327	113 a 115
70,4	24,8	1,63	9900	C56328	113 a 115
65,1	26,9	1,51	9900	C56329	113 a 115
53,9	32,5	1,25	9900	C56330	113 a 115
46,6	37,6	1,08	9900	C56331	113 a 115
43,7	40,1	1,01	9900	C56332	113 a 115
39,1	44,7	0,91	9900	C56333	113 a 115
36,2	48,4	0,84	9900	C56334	113 a 115
105	16,7	4,60	10000	C58224	116 a 118
96,9	18,1	4,25	10000	C58225	116 a 118
85,1	20,6	3,73	10000	C58226	116 a 118
75,8	23,1	3,06	10000	C58227	116 a 118
65,2	26,8	2,86	7800	C58229	116 a 118
59,0	29,7	2,59	9400	C58230	116 a 118
72,5	24,2	3,18	15000	C58327	116 a 118
69,6	25,2	3,05	16000	C58328	116 a 118
57,6	30,4	2,53	16000	C58329	116 a 118
52,7	33,2	2,31	16000	C58330	116 a 118
46,8	37,4	2,05	16000	C58331	116 a 118
42,7	41,0	1,87	13000	C58332	116 a 118
37,0	47,3	1,62	15000	C58333	116 a 118
32,2	54,3	1,41	15000	C58335	116 a 118
29,5	59,3	1,29	16000	C58336	116 a 118
26,2	66,8	1,15	16000	C58337	116 a 118
23,9	73,2	0,99	16000	C58338	116 a 118
20,7	84,5	0,91	16000	C58339	116 a 118
18,1	96,6	0,80	16000	C58340	116 a 118
56,7	30,8	4,82	19000	C60330	119 a 121
52,0	33,6	4,42	19000	C60331	119 a 121
44,8	39,1	3,80	19000	C60332	119 a 121
40,5	43,3	3,44	19000	C60333	119 a 121
34,2	51,2	2,90	18000	C60334	119 a 121
31,3	55,9	2,66	19000	C60335	119 a 121
27,0	64,9	2,29	19000	C60336	119 a 121
22,9	76,3	1,95	19000	C60337	119 a 121
20,9	83,7	1,78	19000	C60338	119 a 121
18,8	92,9	1,60	19000	C60339	119 a 121
17,4	100	1,48	19000	C60340	119 a 121
15,3	114	1,30	19000	C60341	119 a 121
13,6	128	1,16	19000	C60342	119 a 121
11,7	149	1,00	19000	C60343	119 a 121
10,6	165	0,90	19000	C60344	119 a 121
38,2	45,8	4,87	29000	C62333	122 a 124
35,4	49,4	4,51	29000	C62334	122 a 124
30,2	57,9	3,85	29000	C62335	122 a 124
26,2	66,8	3,34	29000	C62336	122 a 124
22,6	77,5	2,87	29000	C62337	122 a 124
20,9	83,8	2,66	29000	C62338	122 a 124



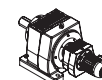
3,70 kW - 1750 rpm



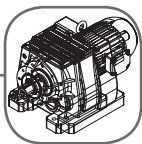
rpm	ítot	fs	Fr (N)	código	páginas
18,2	96,0	2,32	29000	C62339	122 a 124
15,7	111	2,00	29000	C62340	122 a 124
14,4	122	1,83	29000	C62341	122 a 124
12,9	136	1,64	28000	C62342	122 a 124
12,0	145	1,53	26000	C62343	122 a 124
10,8	162	1,37	25000	C62344	122 a 124
9,56	183	1,22	23000	C62345	122 a 124
8,31	210	1,06	22000	C62346	122 a 124
7,50	233	0,96	20000	C62347	122 a 124
22,0	79,5	4,98	53000	C64338	125 a 127
19,2	91,1	4,35	53000	C64339	125 a 127
16,6	106	3,75	53000	C64340	125 a 127
15,1	116	3,43	53000	C64341	125 a 127
13,6	129	3,08	53000	C64342	125 a 127
12,7	138	2,87	53000	C64343	125 a 127
11,4	154	2,57	53000	C64344	125 a 127
10,1	174	2,28	53000	C64345	125 a 127
8,76	200	1,98	53000	C64346	125 a 127
7,90	221	1,79	53000	C64347	125 a 127
13,0	135	4,78	62000	C66343	128 a 130
11,8	148	4,35	62000	C66344	128 a 130
9,91	177	3,65	62000	C66345	128 a 130
8,85	198	3,26	62000	C66346	128 a 130
7,71	227	2,83	62000	C66347	128 a 130
9,64	182	4,91	120000	C68345	131 a 133
8,60	204	4,38	120000	C68346	131 a 133
7,49	234	3,81	120000	C68347	131 a 133



3,70 kW - 1750 rpm



7,42	236	0,94	19000	C62447	155 a 157
6,59	266	0,84	19000	C62448	155 a 157
6,97	251	1,58	53000	C64448	158 a 160
6,19	282	1,40	53000	C64449	158 a 160
5,65	310	1,28	53000	C64450	158 a 160
4,89	358	1,11	53000	C64451	158 a 160
4,28	408	0,97	53000	C64452	158 a 160
3,65	480	0,83	53000	C64453	158 a 160
6,75	259	2,49	64000	C66448	161 a 163
5,82	301	2,14	64000	C66450	161 a 163
4,94	354	1,82	64000	C66451	161 a 163
4,51	388	1,66	64000	C66452	161 a 163
3,76	466	1,38	64000	C66453	161 a 163
3,30	530	1,21	64000	C66455	161 a 163
2,94	595	1,08	64000	C66456	161 a 163
2,53	692	0,93	64000	C66457	161 a 163
7,06	248	3,60	120000	C68448	167 a 169
6,10	287	3,11	120000	C68449	167 a 169
5,34	328	2,72	120000	C68450	167 a 169
4,73	370	2,41	120000	C68451	167 a 169
4,39	399	2,24	120000	C68452	167 a 169
3,80	461	1,93	120000	C68453	167 a 169



3,70 kW - 1750 rpm



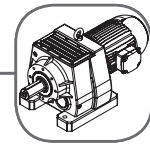
rpm	ítot	fs	Fr (N)	código	páginas
3,29	532	1,68	120000	C68454	167 a 169
3,01	582	1,53	120000	C68455	167 a 169
2,74	639	1,39	120000	C68456	167 a 169
2,29	763	1,17	120000	C68457	167 a 169
2,07	844	1,06	120000	C68558	167 a 169
1,79	979	0,91	120000	C68559	167 a 169
1,75	1.000	0,89	120000	C68560	167 a 169
1,62	1.081	0,82	120000	C68561	167 a 169



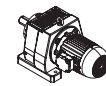
4,50 kW - 1750 rpm





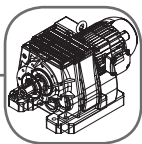
428	4,09	0,80	900	C51212	100 a 102
419	4,17	1,12	900	C52212	103 a 105
342	5,12	1,11	800	C52214	103 a 105
299	5,84	1,11	800	C52215	103 a 105
261	6,70	1,12	700	C52216	103 a 105
243	7,20	1,13	700	C52217	103 a 105
233	7,53	1,08	1000	C52218	103 a 105
190	9,23	0,88	1700	C52219	103 a 105
341	5,1	1,19	2400	C53214	106
298	5,9	1,15	2470	C53215	106
272	6,4	1,14	2650	C53216	106
235	7,4	1,10	2750	C53217	106
213	8,2	1,09	2700	C53218	106
201	8,7	1,17	2750	C53219	106
176	10,0	1,23	2900	C53220	106
160	10,9	1,12	3000	C53221	106
139	12,6	0,97	3080	C53222	106
125	14,0	0,87	3230	C53223	106
113	15,5	0,79	3300	C53224	106
110	15,9	0,77	3350	C53324	106
419	4,18	2,23	1700	C54212	107 a 109
375	4,66	2,27	1900	C54213	107 a 109
347	5,04	2,18	2000	C54214	107 a 109
287	6,09	2,24	2000	C54216	107 a 109
250	7,00	2,33	3100	C54217	107 a 109
224	7,80	2,24	3300	C54218	107 a 109
207	8,44	2,17	3400	C54219	107 a 109
172	10,2	1,80	3600	C54220	107 a 109
148	11,8	1,55	3600	C54221	107 a 109
125	14,0	1,31	3800	C54223	107 a 109
112	15,7	1,17	4000	C54224	107 a 109
94,3	18,6	0,99	4300	C54225	107 a 109
87,8	19,9	0,92	4600	C54226	107 a 109
78,1	22,4	0,82	4700	C54227	107 a 109
79,2	22,1	0,83	5300	C54327	107 a 109
472	3,71	2,79	5200	C55212	110 a 112
392	4,47	2,73	5400	C55213	110 a 112
324	5,40	2,71	5500	C55215	110 a 112
280	6,25	2,74	5700	C55216	110 a 112
247	7,09	2,76	5800	C55217	110 a 112



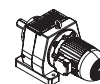
4,50 kW - 1750 rpm



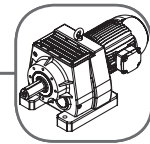
rpm	 itot	 fs	Fr (N)	código	páginas
221	7,91	2,73	5900	C55218	110 a 112
205	8,56	2,71	6200	C55219	110 a 112
169	10,3	2,36	6500	C55220	110 a 112
146	12,0	2,04	6600	C55221	110 a 112
124	14,2	1,73	6900	C55223	110 a 112
110	15,9	1,54	7100	C55224	110 a 112
93,0	18,8	1,30	7300	C55225	110 a 112
86,6	20,2	1,21	7500	C55226	110 a 112
77,1	22,7	1,08	8000	C55227	110 a 112
68,9	25,4	0,75	8000	C55228	110 a 112
61,7	28,4	0,74	8000	C55229	110 a 112
78,1	22,4	1,09	7900	C55327	110 a 112
63,7	27,5	0,89	7700	C55329	110 a 112
424	4,13	4,66	3000	C56212	113 a 115
407	4,30	4,59	3500	C56213	113 a 115
337	5,19	4,59	3500	C56214	113 a 115
308	5,67	4,59	3900	C56215	113 a 115
274	6,39	4,59	3900	C56216	113 a 115
250	7,00	4,60	3800	C56217	113 a 115
235	7,46	4,48	3900	C56218	113 a 115
194	9,00	3,71	4100	C56219	113 a 115
178	9,84	3,39	6300	C56220	113 a 115
158	11,1	3,01	6400	C56221	113 a 115
144	12,1	2,75	6700	C56222	113 a 115
125	14,0	2,38	7000	C56223	113 a 115
109	16,0	2,09	7300	C56224	113 a 115
93,0	18,8	1,77	7600	C56225	113 a 115
83,6	20,9	1,59	7900	C56226	113 a 115
71,0	24,7	1,35	8200	C56227	113 a 115
78,6	22,3	1,50	9900	C56327	113 a 115
70,4	24,8	1,34	9900	C56328	113 a 115
65,1	26,9	1,24	9900	C56329	113 a 115
53,9	32,5	1,03	9900	C56330	113 a 115
46,6	37,6	0,89	9900	C56331	113 a 115
43,7	40,1	0,83	9900	C56332	113 a 115
128	13,7	4,60	10000	C58222	116 a 118
116	15,0	4,20	10000	C58223	116 a 118
105	16,7	3,78	10000	C58224	116 a 118
96,9	18,1	3,50	10000	C58225	116 a 118
85,1	20,6	3,07	10000	C58226	116 a 118
75,8	23,1	2,51	10000	C58227	116 a 118
65,2	26,8	2,35	7800	C58229	116 a 118
59,0	29,7	2,13	9400	C58230	116 a 118
72,5	24,2	2,61	15000	C58327	116 a 118
69,6	25,2	2,51	16000	C58328	116 a 118
57,6	30,4	2,08	16000	C58329	116 a 118
52,7	33,2	1,90	16000	C58330	116 a 118
46,8	37,4	1,69	16000	C58331	116 a 118
42,7	41,0	1,54	13000	C58332	116 a 118
37,0	47,3	1,33	15000	C58333	116 a 118
32,2	54,3	1,16	15000	C58335	116 a 118
29,5	59,3	1,06	16000	C58336	116 a 118
26,2	66,8	0,95	16000	C58337	116 a 118
23,9	73,2	0,81	16000	C58338	116 a 118



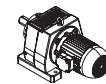
4,50 kW - 1750 rpm






rpm	i_{tot}	fs	Fr (N)	código	páginas
68,2	25,7	4,76	10000	C60228	119 a 121
69,7	25,1	4,87	18000	C60328	119 a 121
67,2	26,0	4,69	19000	C60329	119 a 121
56,7	30,8	3,96	19000	C60330	119 a 121
52,0	33,6	3,63	19000	C60331	119 a 121
44,8	39,1	3,13	19000	C60332	119 a 121
40,5	43,3	2,82	19000	C60333	119 a 121
34,2	51,2	2,39	18000	C60334	119 a 121
31,3	55,9	2,19	19000	C60335	119 a 121
27,0	64,9	1,88	19000	C60336	119 a 121
22,9	76,3	1,60	19000	C60337	119 a 121
20,9	83,7	1,46	19000	C60338	119 a 121
18,8	92,9	1,32	19000	C60339	119 a 121
17,4	100	1,22	19000	C60340	119 a 121
15,3	114	1,07	19000	C60341	119 a 121
13,6	128	0,95	19000	C60342	119 a 121
11,7	149	0,82	19000	C60343	119 a 121
45,0	38,9	4,71	29000	C62331	122 a 124
38,2	45,8	4,01	29000	C62333	122 a 124
35,4	49,4	3,71	29000	C62334	122 a 124
30,2	57,9	3,17	29000	C62335	122 a 124
26,2	66,8	2,74	29000	C62336	122 a 124
22,6	77,5	2,36	29000	C62337	122 a 124
20,9	83,8	2,19	29000	C62338	122 a 124
18,2	96,0	1,91	29000	C62339	122 a 124
15,7	111	1,64	29000	C62340	122 a 124
14,4	122	1,50	29000	C62341	122 a 124
12,9	136	1,35	28000	C62342	122 a 124
12,0	145	1,26	26000	C62343	122 a 124
10,8	162	1,13	25000	C62344	122 a 124
9,56	183	1,00	23000	C62345	122 a 124
8,31	210	0,87	22000	C62346	122 a 124
23,8	73,6	4,43	53000	C64337	125 a 127
22,0	79,5	4,10	53000	C64338	125 a 127
19,2	91,1	3,58	53000	C64339	125 a 127
16,6	106	3,08	53000	C64340	125 a 127
15,1	116	2,82	53000	C64341	125 a 127
13,6	129	2,53	53000	C64342	125 a 127
12,7	138	2,36	53000	C64343	125 a 127
11,4	154	2,11	53000	C64344	125 a 127
10,1	174	1,88	53000	C64345	125 a 127
8,76	200	1,63	53000	C64346	125 a 127
7,90	221	1,47	53000	C64347	125 a 127
16,4	107	4,97	62000	C66341	128 a 130
14,2	123	4,30	62000	C66342	128 a 130
13,0	135	3,93	62000	C66343	128 a 130
11,8	148	3,58	62000	C66344	128 a 130
9,91	177	3,00	62000	C66345	128 a 130
8,85	198	2,68	62000	C66346	128 a 130
7,71	227	2,33	62000	C66347	128 a 130
11,5	152	4,82	120000	C68344	131 a 133
9,64	182	4,04	120000	C68345	131 a 133
8,60	204	3,60	120000	C68346	131 a 133

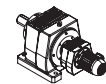


 **4,50 kW - 1750 rpm**



rpm	itot	fs	Fr (N)	código	páginas
 7,49	 234	 3,14	 120000	 C68347	 131 a 133

 **4,50 kW - 1750 rpm**

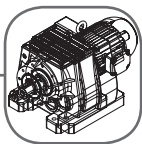


6,97	251	1,30	53000	C64448	158 a 160
6,19	282	1,15	53000	C64449	158 a 160
5,65	310	1,05	53000	C64450	158 a 160
4,89	358	0,91	53000	C64451	158 a 160
4,28	408	0,80	53000	C64452	158 a 160
6,75	259	2,04	64000	C66448	161 a 163
5,82	301	1,76	64000	C66450	161 a 163
4,94	354	1,50	64000	C66451	161 a 163
4,51	388	1,36	64000	C66452	161 a 163
3,76	466	1,14	64000	C66453	161 a 163
3,30	530	1,00	64000	C66455	161 a 163
2,94	595	0,89	64000	C66456	161 a 163
7,06	248	2,96	120000	C68448	167 a 169
6,10	287	2,55	120000	C68449	167 a 169
5,34	328	2,23	120000	C68450	167 a 169
4,73	370	1,98	120000	C68451	167 a 169
4,39	399	1,84	120000	C68452	167 a 169
3,80	461	1,59	120000	C68453	167 a 169
3,29	532	1,38	120000	C68454	167 a 169
3,01	582	1,26	120000	C68455	167 a 169
2,74	639	1,15	120000	C68456	167 a 169
2,29	763	0,96	120000	C68457	167 a 169
2,07	844	0,87	120000	C68558	167 a 169

 **5,50 kW - 1750 rpm**



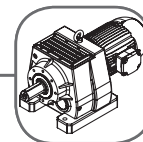
419	4,17	0,92	900	C52212	103 a 105
342	5,12	0,91	800	C52214	103 a 105
299	5,84	0,91	800	C52215	103 a 105
261	6,70	0,92	700	C52216	103 a 105
243	7,20	0,93	700	C52217	103 a 105
233	7,53	0,89	1000	C52218	103 a 105
341	5,1	0,97	2400	C53214	106
298	5,9	0,94	2470	C53215	106
272	6,4	0,93	2650	C53216	106
235	7,4	0,90	2750	C53217	106
213	8,2	0,89	2700	C53218	106
201	8,7	0,96	2750	C53219	106
176	10,0	1,00	2900	C53220	106
160	10,9	0,91	3000	C53221	106
139	12,6	0,79	3080	C53222	106
419	4,18	1,82	1700	C54212	107 a 109
375	4,66	1,86	1900	C54213	107 a 109
347	5,04	1,78	2000	C54214	107 a 109
287	6,09	1,83	2000	C54216	107 a 109
250	7,00	1,90	3100	C54217	107 a 109
224	7,80	1,84	3300	C54218	107 a 109
207	8,44	1,78	3400	C54219	107 a 109



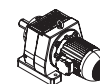
5,50 kW - 1750 rpm



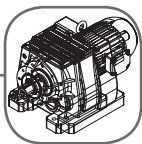
rpm	i_{tot}	fs	Fr (N)	código	páginas
172	10,2	1,47	3600	C54220	107 a 109
148	11,8	1,27	3600	C54221	107 a 109
125	14,0	1,07	3800	C54223	107 a 109
112	15,7	0,96	4000	C54224	107 a 109
94,3	18,6	0,81	4300	C54225	107 a 109
472	3,71	2,28	5200	C55212	110 a 112
392	4,47	2,24	5400	C55213	110 a 112
324	5,40	2,22	5500	C55215	110 a 112
280	6,25	2,24	5700	C55216	110 a 112
247	7,09	2,25	5800	C55217	110 a 112
221	7,91	2,23	5900	C55218	110 a 112
205	8,56	2,22	6200	C55219	110 a 112
169	10,3	1,93	6500	C55220	110 a 112
146	12,0	1,67	6600	C55221	110 a 112
124	14,2	1,41	6900	C55223	110 a 112
110	15,9	1,26	7100	C55224	110 a 112
93,0	18,8	1,06	7300	C55225	110 a 112
86,6	20,2	0,99	7500	C55226	110 a 112
77,1	22,7	0,88	8000	C55227	110 a 112
424	4,13	3,81	3000	C56212	113 a 115
407	4,30	3,76	3500	C56213	113 a 115
337	5,19	3,76	3500	C56214	113 a 115
308	5,67	3,76	3900	C56215	113 a 115
274	6,38	3,76	3900	C56216	113 a 115
250	7,00	3,76	3800	C56217	113 a 115
235	7,46	3,66	3900	C56218	113 a 115
194	9,00	3,04	4100	C56219	113 a 115
178	9,84	2,78	6300	C56220	113 a 115
158	11,1	2,47	6400	C56221	113 a 115
144	12,1	2,25	6700	C56222	113 a 115
125	14,0	1,95	7000	C56223	113 a 115
109	16,0	1,71	7300	C56224	113 a 115
93,0	18,8	1,45	7600	C56225	113 a 115
83,6	20,9	1,30	7900	C56226	113 a 115
71,0	24,7	1,11	8200	C56227	113 a 115
66,6	26,3	1,04	8800	C56228	113 a 115
78,6	22,3	1,23	9900	C56327	113 a 115
70,4	24,8	1,10	9900	C56328	113 a 115
65,1	26,9	1,02	9900	C56329	113 a 115
53,9	32,5	0,84	9900	C56330	113 a 115
150	11,7	4,43	10000	C58221	116 a 118
128	13,7	3,76	10000	C58222	116 a 118
116	15,0	3,43	10000	C58223	116 a 118
105	16,7	3,09	10000	C58224	116 a 118
96,9	18,1	2,86	10000	C58225	116 a 118
85,1	20,6	2,51	10000	C58226	116 a 118
75,8	23,1	2,06	10000	C58227	116 a 118
65,2	26,8	1,92	7800	C58229	116 a 118
59,0	29,7	1,74	9400	C58230	116 a 118
72,5	24,2	2,14	15000	C58327	116 a 118
69,6	25,2	2,05	16000	C58328	116 a 118
57,6	30,4	1,70	16000	C58329	116 a 118
52,7	33,2	1,56	16000	C58330	116 a 118
46,8	37,4	1,38	16000	C58331	116 a 118



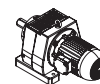
5,50 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
42,7	41,0	1,26	13000	C58332	116 a 118
37,0	47,3	1,09	15000	C58333	116 a 118
32,2	54,3	0,95	15000	C58335	116 a 118
29,5	59,3	0,87	16000	C58336	116 a 118
81,8	21,4	4,67	15000	C60226	119 a 121
76,3	22,9	4,36	8300	C60227	119 a 121
68,2	25,7	3,90	10000	C60228	119 a 121
69,7	25,1	3,98	18000	C60328	119 a 121
67,2	26,0	3,84	19000	C60329	119 a 121
56,7	30,8	3,24	19000	C60330	119 a 121
52,0	33,6	2,97	19000	C60331	119 a 121
44,8	39,1	2,56	19000	C60332	119 a 121
40,5	43,3	2,31	19000	C60333	119 a 121
34,2	51,2	1,95	18000	C60334	119 a 121
31,3	55,9	1,79	19000	C60335	119 a 121
27,0	64,9	1,54	19000	C60336	119 a 121
22,9	76,3	1,31	19000	C60337	119 a 121
20,9	83,7	1,19	19000	C60338	119 a 121
18,8	92,9	1,08	19000	C60339	119 a 121
17,4	100	1,00	19000	C60340	119 a 121
15,3	114	0,87	19000	C60341	119 a 121
52,0	33,7	4,45	29000	C62330	122 a 124
45,0	38,9	3,86	29000	C62331	122 a 124
38,2	45,8	3,28	29000	C62333	122 a 124
35,4	49,4	3,03	29000	C62334	122 a 124
30,2	57,9	2,59	29000	C62335	122 a 124
26,2	66,8	2,24	29000	C62336	122 a 124
22,6	77,5	1,93	29000	C62337	122 a 124
20,9	83,8	1,79	29000	C62338	122 a 124
18,2	96,0	1,56	29000	C62339	122 a 124
15,7	111	1,35	29000	C62340	122 a 124
14,4	122	1,23	29000	C62341	122 a 124
12,9	136	1,11	28000	C62342	122 a 124
12,0	145	1,03	26000	C62343	122 a 124
10,8	162	0,92	25000	C62344	122 a 124
9,56	183	0,82	23000	C62345	122 a 124
31,9	54,9	4,85	53000	C64335	125 a 127
27,6	63,4	4,20	53000	C64336	125 a 127
23,8	73,6	3,62	53000	C64337	125 a 127
22,0	79,5	3,35	53000	C64338	125 a 127
19,2	91,1	2,93	53000	C64339	125 a 127
16,6	106	2,52	53000	C64340	125 a 127
15,1	116	2,31	53000	C64341	125 a 127
13,6	129	2,07	53000	C64342	125 a 127
12,7	138	1,93	53000	C64343	125 a 127
11,4	154	1,73	53000	C64344	125 a 127
10,1	174	1,53	53000	C64345	125 a 127
8,76	200	1,33	53000	C64346	125 a 127
7,90	221	1,20	53000	C64347	125 a 127
19,0	92,2	4,70	62000	C66339	128 a 130
16,4	107	4,06	62000	C66341	128 a 130
14,2	123	3,52	62000	C66342	128 a 130
13,0	135	3,22	62000	C66343	128 a 130
11,8	148	2,93	62000	C66344	128 a 130



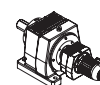
5,50 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
9,91	177	2,45	62000	C66345	128 a 130
8,85	198	2,19	62000	C66346	128 a 130
7,71	227	1,91	62000	C66347	128 a 130
13,8	127	4,74	120000	C68342	131 a 133
12,6	138	4,33	120000	C68343	131 a 133
11,5	152	3,94	120000	C68344	131 a 133
9,64	182	3,30	120000	C68345	131 a 133
8,60	204	2,95	120000	C68346	131 a 133
7,49	234	2,57	120000	C68347	131 a 133



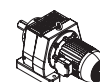
5,50 kW - 1750 rpm



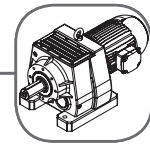
6,97	251	1,06	53000	C64448	158 a 160
6,19	282	0,94	53000	C64449	158 a 160
5,65	310	0,86	53000	C64450	158 a 160
6,75	259	1,67	64000	C66448	161 a 163
5,82	301	1,44	64000	C66450	161 a 163
4,94	354	1,22	64000	C66451	161 a 163
4,51	388	1,12	64000	C66452	161 a 163
3,76	466	0,93	64000	C66453	161 a 163
3,30	530	0,82	64000	C66455	161 a 163
7,06	248	2,42	120000	C68448	167 a 169
6,10	287	2,09	120000	C68449	167 a 169
5,34	328	1,83	120000	C68450	167 a 169
4,73	370	1,62	120000	C68451	167 a 169
4,39	399	1,50	120000	C68452	167 a 169
3,80	461	1,30	120000	C68453	167 a 169
3,29	532	1,13	120000	C68454	167 a 169
3,01	582	1,03	120000	C68455	167 a 169
2,74	639	0,94	120000	C68456	167 a 169



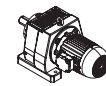
7,50 kW - 1750 rpm



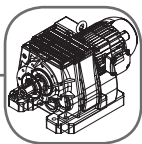
419	4,18	1,34	1700	C54212	107 a 109
375	4,66	1,36	1900	C54213	107 a 109
347	5,04	1,31	2000	C54214	107 a 109
287	6,09	1,34	2000	C54216	107 a 109
250	7,00	1,40	3100	C54217	107 a 109
224	7,80	1,35	3300	C54218	107 a 109
207	8,44	1,30	3400	C54219	107 a 109
172	10,2	1,08	3600	C54220	107 a 109
148	11,8	0,93	3600	C54221	107 a 109
472	3,71	1,67	5200	C55212	110 a 112
392	4,47	1,64	5400	C55213	110 a 112
324	5,40	1,63	5500	C55215	110 a 112
280	6,25	1,64	5700	C55216	110 a 112
247	7,09	1,65	5800	C55217	110 a 112
221	7,91	1,64	5900	C55218	110 a 112
205	8,56	1,63	6200	C55219	110 a 112
169	10,3	1,42	6500	C55220	110 a 112
146	12,0	1,23	6600	C55221	110 a 112
124	14,2	1,04	6900	C55223	110 a 112
110	15,9	0,92	7100	C55224	110 a 112



7,50 kW - 1750 rpm



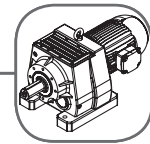
rpm	i_{tot}	fs	Fr (N)	código	páginas
424	4,13	2,80	3000	C56212	113 a 115
407	4,30	2,76	3500	C56213	113 a 115
337	5,19	2,75	3500	C56214	113 a 115
308	5,67	2,76	3900	C56215	113 a 115
274	6,38	2,76	3900	C56216	113 a 115
250	7,00	2,76	3800	C56217	113 a 115
235	7,46	2,69	3900	C56218	113 a 115
194	9,00	2,23	4100	C56219	113 a 115
178	9,84	2,04	6300	C56220	113 a 115
158	11,1	1,81	6400	C56221	113 a 115
144	12,1	1,65	6700	C56222	113 a 115
125	14,0	1,43	7000	C56223	113 a 115
109	16,0	1,25	7300	C56224	113 a 115
93,0	18,8	1,06	7600	C56225	113 a 115
83,6	20,9	0,96	7900	C56226	113 a 115
71,0	24,7	0,81	8200	C56227	113 a 115
419	4,18	4,96	8000	C58212	116 a 118
404	4,33	4,93	8500	C58213	116 a 118
341	5,13	4,93	8900	C58214	116 a 118
313	5,60	4,93	9400	C58215	116 a 118
269	6,50	4,92	9700	C58216	116 a 118
233	7,50	4,95	10000	C58217	116 a 118
225	7,78	4,87	10000	C58218	116 a 118
190	9,21	4,11	10000	C58219	116 a 118
174	10,0	3,77	10000	C58220	116 a 118
150	11,7	3,25	10000	C58221	116 a 118
128	13,7	2,76	10000	C58222	116 a 118
116	15,0	2,52	10000	C58223	116 a 118
105	16,7	2,27	10000	C58224	116 a 118
96,9	18,1	2,10	10000	C58225	116 a 118
85,1	20,6	1,84	10000	C58226	116 a 118
75,8	23,1	1,51	10000	C58227	116 a 118
65,2	26,8	1,41	7800	C58229	116 a 118
59,0	29,7	1,28	9400	C58230	116 a 118
72,5	24,2	1,57	15000	C58327	116 a 118
69,6	25,2	1,51	16000	C58328	116 a 118
57,6	30,4	1,25	16000	C58329	116 a 118
52,7	33,2	1,14	16000	C58330	116 a 118
46,8	37,4	1,01	16000	C58331	116 a 118
42,7	41,0	0,92	13000	C58332	116 a 118
37,0	47,3	0,80	15000	C58333	116 a 118
115	15,2	4,84	14000	C60223	119 a 121
99,5	17,6	4,17	14000	C60224	119 a 121
91,0	19,2	3,81	15000	C60225	119 a 121
81,8	21,4	3,43	15000	C60226	119 a 121
76,3	22,9	3,19	8300	C60227	119 a 121
68,2	25,7	2,86	10000	C60228	119 a 121
69,7	25,1	2,92	18000	C60328	119 a 121
67,2	26,0	2,81	19000	C60329	119 a 121
56,7	30,8	2,38	19000	C60330	119 a 121
52,0	33,6	2,18	19000	C60331	119 a 121
44,8	39,1	1,88	19000	C60332	119 a 121
40,5	43,3	1,69	19000	C60333	119 a 121
34,2	51,2	1,43	18000	C60334	119 a 121



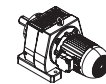
7,50 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
31,3	55,9	1,31	19000	C60335	119 a 121
27,0	64,9	1,13	19000	C60336	119 a 121
22,9	76,3	0,96	19000	C60337	119 a 121
20,9	83,7	0,88	19000	C60338	119 a 121
73,0	24,0	4,59	19000	C62228	122 a 124
66,4	26,4	4,17	20000	C62229	122 a 124
55,6	31,5	3,50	21000	C62230	122 a 124
65,7	26,6	4,13	29000	C62328	122 a 124
60,8	28,8	3,82	29000	C62329	122 a 124
52,0	33,7	3,26	29000	C62330	122 a 124
45,0	38,9	2,83	29000	C62331	122 a 124
38,2	45,8	2,40	29000	C62333	122 a 124
35,4	49,4	2,22	29000	C62334	122 a 124
30,2	57,9	1,90	29000	C62335	122 a 124
26,2	66,8	1,65	29000	C62336	122 a 124
22,6	77,5	1,42	29000	C62337	122 a 124
20,9	83,8	1,31	29000	C62338	122 a 124
18,2	96,0	1,15	29000	C62339	122 a 124
15,7	111	0,99	29000	C62340	122 a 124
14,4	122	0,90	29000	C62341	122 a 124
12,9	136	0,81	28000	C62342	122 a 124
41,7	42,0	4,65	53000	C64332	125 a 127
40,3	43,4	4,50	53000	C64333	125 a 127
37,3	46,9	4,17	53000	C64334	125 a 127
31,9	54,9	3,56	53000	C64335	125 a 127
27,6	63,4	3,08	53000	C64336	125 a 127
23,8	73,6	2,66	53000	C64337	125 a 127
22,0	79,5	2,46	53000	C64338	125 a 127
19,2	91,1	2,15	53000	C64339	125 a 127
16,6	106	1,85	53000	C64340	125 a 127
15,1	116	1,69	53000	C64341	125 a 127
13,6	129	1,52	53000	C64342	125 a 127
12,7	138	1,42	53000	C64343	125 a 127
11,4	154	1,27	53000	C64344	125 a 127
10,1	174	1,13	53000	C64345	125 a 127
8,76	200	0,98	53000	C64346	125 a 127
7,90	221	0,88	53000	C64347	125 a 127
26,4	66,4	4,78	55000	C66336	128 a 130
23,1	75,9	4,18	60000	C66337	128 a 130
20,4	85,6	3,71	60000	C66338	128 a 130
19,0	92,2	3,44	62000	C66339	128 a 130
16,4	107	2,98	62000	C66341	128 a 130
14,2	123	2,58	62000	C66342	128 a 130
13,0	135	2,36	62000	C66343	128 a 130
11,8	148	2,15	62000	C66344	128 a 130
9,91	177	1,80	62000	C66345	128 a 130
8,85	198	1,61	62000	C66346	128 a 130
7,71	227	1,40	62000	C66347	128 a 130
19,9	88,1	4,99	120000	C68339	131 a 133
18,4	94,9	4,63	120000	C68340	131 a 133
16,0	110	4,01	120000	C68341	131 a 133
13,8	127	3,47	120000	C68342	131 a 133
12,6	138	3,18	120000	C68343	131 a 133
11,5	152	2,89	120000	C68344	131 a 133

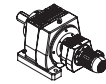


 **7,50 kW - 1750 rpm**



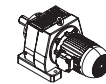
rpm	itot	fs	Fr (N)	código	páginas
9,64	182	2,42	120000	C68345	131 a 133
8,60	204	2,16	120000	C68346	131 a 133
7,49	234	1,88	120000	C68347	131 a 133

 **7,50 kW - 1750 rpm**

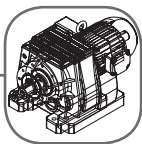


6,75	259	1,23	64000	C66448	161 a 163
5,82	301	1,06	64000	C66450	161 a 163
4,94	354	0,90	64000	C66451	161 a 163
4,51	388	0,82	64000	C66452	161 a 163
7,06	248	1,77	120000	C68448	167 a 169
6,10	287	1,53	120000	C68449	167 a 169
5,34	328	1,34	120000	C68450	167 a 169
4,73	370	1,19	120000	C68451	167 a 169
4,39	399	1,10	120000	C68452	167 a 169
3,80	461	0,95	120000	C68453	167 a 169
3,29	532	0,83	120000	C68454	167 a 169

 **9,20 kW - 1750 rpm**



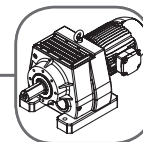
419	4,18	1,09	1700	C54212	107 a 109
375	4,66	1,11	1900	C54213	107 a 109
347	5,04	1,07	2000	C54214	107 a 109
287	6,09	1,10	2000	C54216	107 a 109
250	7,00	1,14	3100	C54217	107 a 109
224	7,80	1,10	3300	C54218	107 a 109
207	8,44	1,06	3400	C54219	107 a 109
172	10,2	0,88	3600	C54220	107 a 109
472	3,71	1,36	5200	C55212	110 a 112
392	4,47	1,34	5400	C55213	110 a 112
324	5,40	1,33	5500	C55215	110 a 112
280	6,25	1,34	5700	C55216	110 a 112
247	7,09	1,35	5800	C55217	110 a 112
221	7,91	1,33	5900	C55218	110 a 112
205	8,56	1,33	6200	C55219	110 a 112
169	10,3	1,16	6500	C55220	110 a 112
146	12,0	1,00	6600	C55221	104 a 106
124	14,2	0,84	6900	C55223	110 a 112
424	4,13	2,28	3000	C56212	113 a 115
407	4,30	2,25	3500	C56213	113 a 115
337	5,19	2,25	3500	C56214	113 a 115
308	5,67	2,25	3900	C56215	113 a 115
274	6,38	2,25	3900	C56216	113 a 115
250	7,00	2,25	3800	C56217	113 a 115
235	7,46	2,19	3900	C56218	113 a 115
194	9,00	1,81	4100	C56219	113 a 115
178	9,84	1,66	6300	C56220	113 a 115
158	11,1	1,47	6400	C56221	113 a 115
144	12,1	1,35	6700	C56222	113 a 115
125	14,0	1,17	7000	C56223	113 a 115
109	16,0	1,02	7300	C56224	113 a 115
93,0	18,8	0,87	7600	C56225	113 a 115



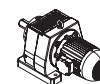
9,20 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
419	4,18	4,04	8000	C58212	116 a 118
404	4,33	4,02	8500	C58213	116 a 118
341	5,13	4,02	8900	C58214	116 a 118
313	5,60	4,02	9400	C58215	116 a 118
269	6,50	4,01	9700	C58216	116 a 118
233	7,50	4,04	10000	C58217	116 a 118
225	7,78	3,97	10000	C58218	116 a 118
190	9,21	3,35	10000	C58219	116 a 118
174	10,0	3,07	10000	C58220	116 a 118
150	11,7	2,65	10000	C58221	116 a 118
128	13,7	2,25	10000	C58222	116 a 118
116	15,0	2,05	10000	C58223	116 a 118
105	16,7	1,85	10000	C58224	116 a 118
96,9	18,1	1,71	10000	C58225	116 a 118
85,1	20,6	1,50	10000	C58226	116 a 118
75,8	23,1	1,23	10000	C58227	116 a 118
65,2	26,8	1,15	7800	C58229	116 a 118
59,0	29,7	1,04	9400	C58230	116 a 118
72,5	24,2	1,28	15000	C58327	116 a 118
69,6	25,2	1,23	16000	C58328	116 a 118
57,6	30,4	1,02	16000	C58329	116 a 118
52,7	33,2	0,93	16000	C58330	116 a 118
46,8	37,4	0,83	16000	C58331	116 a 118
143	12,2	4,88	13000	C60221	119 a 121
132	13,2	4,52	13000	C60222	119 a 121
115	15,2	3,94	14000	C60223	119 a 121
99,5	17,6	3,40	14000	C60224	119 a 121
91,0	19,2	3,11	15000	C60225	119 a 121
81,8	21,4	2,79	15000	C60226	119 a 121
76,3	22,9	2,60	8300	C60227	119 a 121
68,2	25,7	2,33	10000	C60228	119 a 121
69,7	25,1	2,38	18000	C60328	119 a 121
67,2	26,0	2,29	19000	C60329	119 a 121
56,7	30,8	1,94	19000	C60330	119 a 121
52,0	33,6	1,78	19000	C60331	119 a 121
44,8	39,1	1,53	19000	C60332	119 a 121
40,5	43,3	1,38	19000	C60333	119 a 121
34,2	51,2	1,17	18000	C60334	119 a 121
31,3	55,9	1,07	19000	C60335	119 a 121
27,0	64,9	0,92	19000	C60336	119 a 121
106	16,4	4,85	16000	C62224	122 a 124
92,1	19,0	4,63	17000	C62226	122 a 124
79,8	21,9	4,09	18000	C62227	122 a 124
73,0	24,0	3,74	19000	C62228	122 a 124
66,4	26,4	3,40	20000	C62229	122 a 124
55,6	31,5	2,85	21000	C62230	122 a 124
65,7	26,6	3,37	29000	C62328	122 a 124
60,8	28,8	3,12	29000	C62329	122 a 124
52,0	33,7	2,66	29000	C62330	122 a 124
45,0	38,9	2,31	29000	C62331	122 a 124
38,2	45,8	1,96	29000	C62333	122 a 124
35,4	49,4	1,81	29000	C62334	122 a 124
30,2	57,9	1,55	29000	C62335	122 a 124
26,2	66,8	1,34	29000	C62336	122 a 124



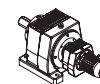
9,20 kW - 1750 rpm



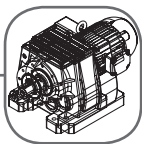
rpm	i_{tot}	fs	Fr (N)	código	páginas
22,6	77,5	1,16	29000	C62337	122 a 124
20,9	83,8	1,07	29000	C62338	122 a 124
18,2	96,0	0,93	29000	C62339	122 a 124
15,7	111	0,80	29000	C62340	122 a 124
48,1	36,4	4,38	53000	C64331	125 a 127
41,7	42,0	3,79	53000	C64332	125 a 127
40,3	43,4	3,67	53000	C64333	125 a 127
37,3	46,9	3,40	53000	C64334	125 a 127
31,9	54,9	2,90	53000	C64335	125 a 127
27,6	63,4	2,51	53000	C64336	125 a 127
23,8	73,6	2,17	53000	C64337	125 a 127
22,0	79,5	2,00	53000	C64338	125 a 127
19,2	91,1	1,75	53000	C64339	125 a 127
16,6	106	1,51	53000	C64340	125 a 127
15,1	116	1,38	53000	C64341	125 a 127
13,6	129	1,24	53000	C64342	125 a 127
12,7	138	1,16	53000	C64343	125 a 127
11,4	154	1,03	53000	C64344	125 a 127
10,1	174	0,92	53000	C64345	125 a 127
8,76	200	0,80	53000	C64346	125 a 127
32,8	53,4	4,85	50000	C66334	128 a 130
30,5	57,4	4,51	55000	C66335	128 a 130
26,4	66,4	3,90	55000	C66336	128 a 130
23,1	75,9	3,41	60000	C66337	128 a 130
20,4	85,6	3,02	60000	C66338	128 a 130
19,0	92,2	2,81	62000	C66339	128 a 130
16,4	107	2,43	62000	C66341	128 a 130
14,2	123	2,10	62000	C66342	128 a 130
13,0	135	1,92	62000	C66343	128 a 130
11,8	148	1,75	62000	C66344	128 a 130
9,91	177	1,47	62000	C66345	128 a 130
8,85	198	1,31	62000	C66346	128 a 130
7,71	227	1,14	62000	C66347	128 a 130
22,4	78,1	4,59	120000	C68338	131 a 133
19,9	88,1	4,07	120000	C68339	131 a 133
18,4	94,9	3,78	120000	C68340	131 a 133
16,0	110	3,27	120000	C68341	131 a 133
13,8	127	2,83	120000	C68342	131 a 133
12,6	138	2,59	120000	C68343	131 a 133
11,5	152	2,36	120000	C68344	131 a 133
9,64	182	1,97	120000	C68345	131 a 133
8,60	204	1,76	120000	C68346	131 a 133
7,49	234	1,53	120000	C68347	131 a 133



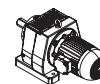
9,20 kW - 1750 rpm



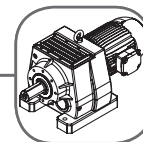
6,75	259	1,00	64000	C66448	161 a 163
5,82	301	0,86	64000	C66450	161 a 163
7,06	248	1,45	120000	C68448	167 a 169
6,10	287	1,25	120000	C68449	167 a 169
5,34	328	1,09	120000	C68450	167 a 169
4,73	370	0,97	120000	C68451	167 a 169
4,39	399	0,90	120000	C68452	167 a 169



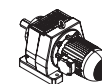
11,00 kW - 1750 rpm



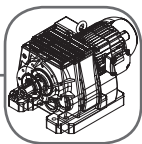
rpm	i_{tot}	fs	Fr (N)	código	páginas
419	4,18	0,91	1700	C54212	107 a 109
375	4,66	0,93	1900	C54213	107 a 109
347	5,04	0,89	2000	C54214	107 a 109
287	6,09	0,92	2000	C54216	107 a 109
250	7,00	0,95	3100	C54217	107 a 109
224	7,80	0,92	3300	C54218	107 a 109
207	8,44	0,89	3400	C54219	107 a 109
472	3,71	1,14	5200	C55212	110 a 112
392	4,47	1,12	5400	C55213	110 a 112
324	5,40	1,11	5500	C55215	110 a 112
280	6,25	1,12	5700	C55216	110 a 112
247	7,09	1,13	5800	C55217	110 a 112
221	7,91	1,12	5900	C55218	110 a 112
205	8,56	1,11	6200	C55219	110 a 112
169	10,3	0,97	6500	C55220	110 a 112
146	12,0	0,84	6600	C55221	110 a 112
424	4,13	1,91	3000	C56212	113 a 115
407	4,30	1,88	3500	C56213	113 a 115
337	5,19	1,88	3500	C56214	113 a 115
308	5,67	1,88	3900	C56215	113 a 115
274	6,38	1,88	3900	C56216	113 a 115
250	7,00	1,88	3800	C56217	113 a 115
235	7,46	1,83	3900	C56218	113 a 115
194	9,00	1,52	4100	C56219	113 a 115
178	9,84	1,39	6300	C56220	113 a 115
158	11,1	1,23	6400	C56221	113 a 115
144	12,1	1,12	6700	C56222	113 a 115
125	14,0	0,97	7000	C56223	113 a 115
109	16,0	0,85	7300	C56224	113 a 115
419	4,18	3,38	8000	C58212	116 a 118
404	4,33	3,36	8500	C58213	116 a 118
341	5,13	3,36	8900	C58214	116 a 118
313	5,60	3,36	9400	C58215	116 a 118
269	6,50	3,36	9700	C58216	116 a 118
233	7,50	3,38	10000	C58217	116 a 118
225	7,78	3,32	10000	C58218	116 a 118
190	9,21	2,80	10000	C58219	116 a 118
174	10,0	2,57	10000	C58220	116 a 118
150	11,7	2,21	10000	C58221	116 a 118
128	13,7	1,88	10000	C58222	116 a 118
116	15,0	1,72	10000	C58223	116 a 118
105	16,7	1,55	10000	C58224	116 a 118
96,9	18,1	1,43	10000	C58225	116 a 118
85,1	20,6	1,26	10000	C58226	116 a 118
75,8	23,1	1,03	10000	C58227	116 a 118
65,2	26,8	0,96	7800	C58229	116 a 118
59,0	29,7	0,87	9400	C58230	116 a 118
72,5	24,2	1,07	15000	C58327	116 a 118
69,6	25,2	1,03	16000	C58328	116 a 118
57,6	30,4	0,85	16000	C58329	116 a 118
166	10,5	4,74	12000	C60220	119 a 121
143	12,2	4,08	13000	C60221	119 a 121
132	13,2	3,78	13000	C60222	119 a 121
115	15,2	3,30	14000	C60223	119 a 121



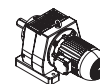
11,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
99,5	17,6	2,84	14000	C60224	119 a 121
91,0	19,2	2,60	15000	C60225	119 a 121
81,8	21,4	2,34	15000	C60226	119 a 121
76,3	22,9	2,18	8300	C60227	119 a 121
68,2	25,7	1,95	10000	C60228	119 a 121
69,7	25,1	1,99	18000	C60328	119 a 121
67,2	26,0	1,92	19000	C60329	119 a 121
56,7	30,8	1,62	19000	C60330	119 a 121
52,0	33,6	1,49	19000	C60331	119 a 121
44,8	39,1	1,28	19000	C60332	119 a 121
40,5	43,3	1,16	19000	C60333	119 a 121
34,2	51,2	0,98	18000	C60334	119 a 121
31,3	55,9	0,89	19000	C60335	119 a 121
115	15,3	4,91	15000	C62223	122 a 124
106	16,4	4,05	16000	C62224	122 a 124
92,1	19,0	3,88	17000	C62226	122 a 124
79,8	21,9	3,42	18000	C62227	122 a 124
73,0	24,0	3,13	19000	C62228	122 a 124
66,4	26,4	2,84	20000	C62229	122 a 124
55,6	31,5	2,38	21000	C62230	122 a 124
65,7	26,6	2,82	29000	C62328	122 a 124
60,8	28,8	2,61	29000	C62329	122 a 124
52,0	33,7	2,23	29000	C62330	122 a 124
45,0	38,9	1,93	29000	C62331	122 a 124
38,2	45,8	1,64	29000	C62333	122 a 124
35,4	49,4	1,52	29000	C62334	122 a 124
30,2	57,9	1,30	29000	C62335	122 a 124
26,2	66,8	1,12	29000	C62336	122 a 124
22,6	77,5	0,97	29000	C62337	122 a 124
20,9	83,8	0,89	29000	C62338	122 a 124
60,8	28,8	4,63	53000	C64329	125 a 127
56,3	31,1	4,29	54000	C64330	125 a 127
48,1	36,4	3,66	53000	C64331	125 a 127
41,7	42,0	3,17	53000	C64332	125 a 127
40,3	43,4	3,07	53000	C64333	125 a 127
37,3	46,9	2,84	53000	C64334	125 a 127
31,9	54,9	2,43	53000	C64335	125 a 127
27,6	63,4	2,10	53000	C64336	125 a 127
23,8	73,6	1,81	53000	C64337	125 a 127
22,0	79,5	1,68	53000	C64338	125 a 127
19,2	91,1	1,46	53000	C64339	125 a 127
16,6	106	1,26	53000	C64340	125 a 127
15,1	116	1,15	53000	C64341	125 a 127
13,6	129	1,04	53000	C64342	125 a 127
12,7	138	0,97	53000	C64343	125 a 127
11,4	154	0,86	53000	C64344	125 a 127
37,6	46,5	4,66	50000	C66333	128 a 130
32,8	53,4	4,05	50000	C66334	128 a 130
30,5	57,4	3,78	55000	C66335	128 a 130
26,4	66,4	3,26	55000	C66336	128 a 130
23,1	75,9	2,85	60000	C66337	128 a 130
20,4	85,6	2,53	60000	C66338	128 a 130
19,0	92,2	2,35	62000	C66339	128 a 130
16,4	107	2,03	62000	C66341	128 a 130



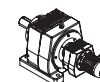
11,00 kW - 1750 rpm



rpm	i _{tot}	fs	Fr (N)	código	páginas
14,2	123	1,76	62000	C66342	128 a 130
13,0	135	1,61	62000	C66343	128 a 130
11,8	148	1,46	62000	C66344	128 a 130
9,91	177	1,23	62000	C66345	128 a 130
8,85	198	1,09	62000	C66346	128 a 130
7,71	227	0,95	62000	C66347	128 a 130
25,6	68,3	4,39	120000	C68337	131 a 133
22,4	78,1	3,84	120000	C68338	131 a 133
19,9	88,1	3,40	120000	C68339	131 a 133
18,4	94,9	3,16	120000	C68340	131 a 133
16,0	110	2,73	120000	C68341	131 a 133
13,8	127	2,37	120000	C68342	131 a 133
12,6	138	2,17	120000	C68343	131 a 133
11,5	152	1,97	120000	C68344	131 a 133
9,64	182	1,65	120000	C68345	131 a 133
8,60	204	1,47	120000	C68346	131 a 133
7,49	234	1,28	120000	C68347	131 a 133



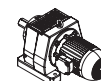
11,00 kW - 1750 rpm



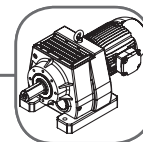
6,75	259	0,84	64000	C66448	161 a 163
7,06	248	1,21	120000	C68448	167 a 169
6,10	287	1,04	120000	C68449	167 a 169
5,34	328	0,91	120000	C68450	167 a 169
4,73	370	0,81	120000	C68451	167 a 169



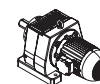
15,00 kW - 1750 rpm



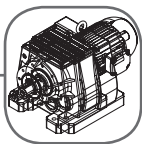
472	3,71	0,84	5200	C55212	110 a 112
392	4,47	0,82	5400	C55213	110 a 112
324	5,40	0,81	5500	C55215	110 a 112
280	6,25	0,82	5700	C55216	110 a 112
247	7,09	0,83	5800	C55217	110 a 112
221	7,91	0,82	5900	C55218	110 a 112
205	8,56	0,81	6200	C55219	110 a 112
424	4,13	1,40	3000	C56212	113 a 115
407	4,30	1,38	3500	C56213	113 a 115
337	5,19	1,38	3500	C56214	113 a 115
308	5,67	1,38	3900	C56215	113 a 115
274	6,38	1,38	3900	C56216	113 a 115
250	7,00	1,38	3800	C56217	113 a 115
235	7,46	1,34	3900	C56218	113 a 115
194	9,00	1,11	4100	C56219	113 a 115
178	9,84	1,02	6300	C56220	113 a 115
158	11,1	0,90	6400	C56221	113 a 115
144	12,1	0,82	6700	C56222	113 a 115
419	4,18	2,48	8000	C58212	116 a 118
404	4,33	2,47	8500	C58213	116 a 118
341	5,13	2,46	8900	C58214	116 a 118
313	5,60	2,47	9400	C58215	116 a 118
269	6,50	2,46	9700	C58216	116 a 118
233	7,50	2,48	10000	C58217	116 a 118
225	7,78	2,43	10000	C58218	116 a 118



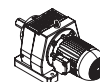
15,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
190	9,21	2,06	10000	C58219	116 a 118
174	10,0	1,88	10000	C58220	116 a 118
150	11,7	1,62	10000	C58221	116 a 118
128	13,7	1,38	10000	C58222	116 a 118
116	15,0	1,26	10000	C58223	116 a 118
105	16,7	1,13	10000	C58224	116 a 118
96,9	18,1	1,05	10000	C58225	116 a 118
85,1	20,6	0,92	10000	C58226	116 a 118
419	4,17	4,01	9000	C60212	119 a 121
388	4,51	4,01	9500	C60213	119 a 121
331	5,28	4,00	9800	C60214	119 a 121
287	6,10	4,01	10000	C60215	119 a 121
247	7,07	4,01	10000	C60216	119 a 121
242	7,22	4,01	11000	C60217	119 a 121
224	7,80	4,01	12000	C60218	119 a 121
191	9,14	4,01	12000	C60219	119 a 121
166	10,5	3,47	12000	C60220	119 a 121
143	12,2	2,99	13000	C60221	119 a 121
132	13,2	2,77	13000	C60222	119 a 121
115	15,2	2,42	14000	C60223	119 a 121
99,5	17,6	2,08	14000	C60224	119 a 121
91,0	19,2	1,90	15000	C60225	119 a 121
81,8	21,4	1,71	15000	C60226	119 a 121
76,3	22,9	1,60	8300	C60227	119 a 121
68,2	25,7	1,43	10000	C60228	119 a 121
69,7	25,1	1,46	18000	C60328	119 a 121
67,2	26,0	1,41	19000	C60329	119 a 121
56,7	30,8	1,19	19000	C60330	119 a 121
52,0	33,6	1,09	19000	C60331	119 a 121
44,8	39,1	0,94	19000	C60332	119 a 121
40,5	43,3	0,85	19000	C60333	119 a 121
148	11,8	4,65	13000	C62221	122 a 124
129	13,5	4,06	14000	C62222	122 a 124
115	15,3	3,60	15000	C62223	122 a 124
106	16,4	2,97	16000	C62224	122 a 124
92,1	19,0	2,84	17000	C62226	122 a 124
79,8	21,9	2,51	18000	C62227	122 a 124
73,0	24,0	2,29	19000	C62228	122 a 124
66,4	26,4	2,09	20000	C62229	122 a 124
55,6	31,5	1,75	21000	C62230	122 a 124
65,7	26,6	2,06	29000	C62328	122 a 124
60,8	28,8	1,91	29000	C62329	122 a 124
52,0	33,7	1,63	29000	C62330	122 a 124
45,0	38,9	1,41	29000	C62331	122 a 124
38,2	45,8	1,20	29000	C62333	122 a 124
35,4	49,4	1,11	29000	C62334	122 a 124
30,2	57,9	0,95	29000	C62335	122 a 124
26,2	66,8	0,82	29000	C62336	122 a 124
86,0	20,3	4,80	47000	C64226	125 a 127
74,7	23,4	4,17	49000	C64227	125 a 127
68,6	25,5	3,83	53000	C64228	125 a 127
60,8	28,8	3,40	53000	C64329	125 a 127
56,3	31,1	3,14	54000	C64330	125 a 127



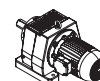
15,00 kW - 1750 rpm



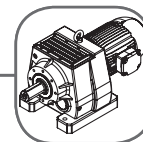
rpm	ítot	fs	Fr (N)	código	páginas
48,1	36,4	2,69	53000	C64331	125 a 127
41,7	42,0	2,33	53000	C64332	125 a 127
40,3	43,4	2,25	53000	C64333	125 a 127
37,3	46,9	2,08	53000	C64334	125 a 127
31,9	54,9	1,78	53000	C64335	125 a 127
27,6	63,4	1,54	53000	C64336	125 a 127
23,8	73,6	1,33	53000	C64337	125 a 127
22,0	79,5	1,23	53000	C64338	125 a 127
19,2	91,1	1,07	53000	C64339	125 a 127
16,6	106	0,92	53000	C64340	125 a 127
15,1	116	0,85	53000	C64341	125 a 127
52,9	33,1	4,80	40000	C66330	128 a 130
49,3	35,5	4,47	45000	C66331	128 a 130
42,5	41,1	3,86	45000	C66332	128 a 130
37,6	46,5	3,42	50000	C66333	128 a 130
32,8	53,4	2,97	50000	C66334	128 a 130
30,5	57,4	2,77	55000	C66335	128 a 130
26,4	66,4	2,39	55000	C66336	128 a 130
23,1	75,9	2,09	60000	C66337	128 a 130
20,4	85,6	1,85	60000	C66338	128 a 130
19,0	92,2	1,72	62000	C66339	128 a 130
16,4	107	1,49	62000	C66341	128 a 130
14,2	123	1,29	62000	C66342	128 a 130
13,0	135	1,18	62000	C66343	128 a 130
11,8	148	1,07	62000	C66344	128 a 130
9,91	177	0,90	62000	C66345	128 a 130
8,85	198	0,80	62000	C66346	128 a 130
36,6	47,8	4,60	120000	C68334	131 a 133
31,8	55,0	4,00	120000	C68335	131 a 133
29,7	59,0	3,73	120000	C68336	131 a 133
25,6	68,3	3,22	120000	C68337	131 a 133
22,4	78,1	2,82	120000	C68338	131 a 133
19,9	88,1	2,50	120000	C68339	131 a 133
18,4	94,9	2,32	120000	C68340	131 a 133
16,0	110	2,00	120000	C68341	131 a 133
13,8	127	1,74	120000	C68342	131 a 133
12,6	138	1,59	120000	C68343	131 a 133
11,5	152	1,44	120000	C68344	131 a 133
9,64	182	1,21	120000	C68345	131 a 133
8,60	204	1,08	120000	C68346	131 a 133
7,49	234	0,94	120000	C68347	131 a 133



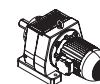
18,50 kW - 1750 rpm



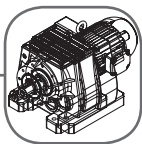
424	4,13	1,13	3000	C56212	113 a 115
407	4,30	1,12	3500	C56213	113 a 115
337	5,19	1,12	3500	C56214	113 a 115
308	5,67	1,12	3900	C56215	113 a 115
274	6,38	1,12	3900	C56216	113 a 115
250	7,00	1,12	3800	C56217	113 a 115
235	7,46	1,09	3900	C56218	113 a 115



18,50 kW - 1750 rpm



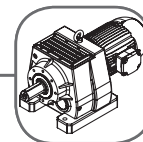
rpm	i_{tot}	fs	Fr (N)	código	páginas
194	9,00	0,90	4100	C56219	113 a 115
178	9,84	0,83	6300	C56220	113 a 115
419	4,18	2,01	8000	C58212	116 a 118
404	4,33	2,00	8500	C58213	116 a 118
341	5,13	2,00	8900	C58214	116 a 118
313	5,60	2,00	9400	C58215	116 a 118
269	6,50	2,00	9700	C58216	116 a 118
233	7,50	2,01	10000	C58217	116 a 118
225	7,78	1,97	10000	C58218	116 a 118
190	9,21	1,67	10000	C58219	116 a 118
174	10,0	1,53	10000	C58220	116 a 118
150	11,7	1,32	10000	C58221	116 a 118
128	13,7	1,12	10000	C58222	116 a 118
116	15,0	1,02	10000	C58223	116 a 118
105	16,7	0,92	10000	C58224	116 a 118
96,9	18,1	0,85	10000	C58225	116 a 118
419	4,17	3,25	9000	C60212	119 a 121
388	4,51	3,25	9500	C60213	119 a 121
331	5,28	3,25	9800	C60214	119 a 121
287	6,10	3,25	10000	C60215	119 a 121
247	7,07	3,25	10000	C60216	119 a 121
242	7,22	3,25	11000	C60217	119 a 121
224	7,80	3,25	12000	C60218	119 a 121
191	9,14	3,25	12000	C60219	119 a 121
166	10,5	2,82	12000	C60220	119 a 121
143	12,2	2,43	13000	C60221	119 a 121
132	13,2	2,25	13000	C60222	119 a 121
115	15,2	1,96	14000	C60223	119 a 121
99,5	17,6	1,69	14000	C60224	119 a 121
91,0	19,2	1,54	15000	C60225	119 a 121
81,8	21,4	1,39	15000	C60226	119 a 121
76,3	22,9	1,30	8300	C60227	119 a 121
68,2	25,7	1,16	10000	C60228	119 a 121
69,7	25,1	1,18	18000	C60328	119 a 121
67,2	26,0	1,14	19000	C60329	119 a 121
56,7	30,8	0,96	19000	C60330	119 a 121
52,0	33,6	0,88	19000	C60331	119 a 121
383	4,57	5,41	9000	C62213	122 a 124
333	5,26	5,41	9500	C62214	122 a 124
310	5,64	5,41	10000	C62215	122 a 124
268	6,53	5,41	12000	C62216	122 a 124
234	7,47	5,41	12000	C62217	122 a 124
211	8,28	5,38	13000	C62218	122 a 124
184	9,52	4,68	11000	C62219	122 a 124
171	10,2	4,36	12000	C62220	122 a 124
148	11,8	3,77	13000	C62221	122 a 124
129	13,5	3,30	14000	C62222	122 a 124
115	15,3	2,92	15000	C62223	122 a 124
106	16,4	2,41	16000	C62224	122 a 124
92,1	19,0	2,30	17000	C62226	122 a 124
79,8	21,9	2,03	18000	C62227	122 a 124
73,0	24,0	1,86	19000	C62228	122 a 124
66,4	26,4	1,69	20000	C62229	122 a 124
55,6	31,5	1,42	21000	C62230	122 a 124



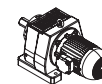
18,50 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
65,7	26,6	1,67	29000	C62328	122 a 124
60,8	28,8	1,55	29000	C62329	122 a 124
52,0	33,7	1,32	29000	C62330	122 a 124
45,0	38,9	1,15	29000	C62331	122 a 124
38,2	45,8	0,97	29000	C62333	122 a 124
35,4	49,4	0,90	29000	C62334	122 a 124
416	4,20	9,19	20000	C64213	125 a 127
354	4,94	9,20	21000	C64214	125 a 127
308	5,68	9,20	22000	C64215	125 a 127
288	6,09	9,20	23000	C64216	125 a 127
250	7,01	9,20	24000	C64217	125 a 127
230	7,61	9,20	25000	C64218	125 a 127
196	8,94	8,86	29000	C64219	125 a 127
170	10,3	7,71	30000	C64220	125 a 127
159	11,0	7,19	31000	C64221	125 a 127
138	12,7	6,24	34000	C64222	125 a 127
120	14,6	5,44	37000	C64223	125 a 127
105	16,7	4,74	40000	C64224	125 a 127
97,5	17,9	4,41	43000	C64225	125 a 127
86,0	20,3	3,90	47000	C64226	125 a 127
74,7	23,4	3,38	49000	C64227	125 a 127
68,6	25,5	3,11	53000	C64228	125 a 127
60,8	28,8	2,75	53000	C64329	125 a 127
56,3	31,1	2,55	54000	C64330	125 a 127
48,1	36,4	2,18	53000	C64331	125 a 127
41,7	42,0	1,89	53000	C64332	125 a 127
40,3	43,4	1,83	53000	C64333	125 a 127
37,3	46,9	1,69	53000	C64334	125 a 127
31,9	54,9	1,44	53000	C64335	125 a 127
27,6	63,4	1,25	53000	C64336	125 a 127
23,8	73,6	1,08	53000	C64337	125 a 127
22,0	79,5	1,00	53000	C64338	125 a 127
19,2	91,1	0,87	53000	C64339	125 a 127
67,9	25,8	4,99	64000	C66228	128 a 130
60,8	28,8	4,47	40000	C66329	128 a 130
52,9	33,1	3,89	40000	C66330	128 a 130
49,3	35,5	3,62	45000	C66331	128 a 130
42,5	41,1	3,13	45000	C66332	128 a 130
37,6	46,5	2,77	50000	C66333	128 a 130
32,8	53,4	2,41	50000	C66334	128 a 130
30,5	57,4	2,25	55000	C66335	128 a 130
26,4	66,4	1,94	55000	C66336	128 a 130
23,1	75,9	1,70	60000	C66337	128 a 130
20,4	85,6	1,50	60000	C66338	128 a 130
19,0	92,2	1,40	62000	C66339	128 a 130
16,4	107	1,21	62000	C66341	128 a 130
14,2	123	1,05	62000	C66342	128 a 130
13,0	135	0,96	62000	C66343	128 a 130
11,8	148	0,87	62000	C66344	128 a 130
47,3	37,0	4,81	120000	C68331	131 a 133
41,4	42,3	4,21	120000	C68332	131 a 133
36,6	47,8	3,73	120000	C68334	131 a 133
31,8	55,0	3,24	120000	C68335	131 a 133
29,7	59,0	3,02	120000	C68336	131 a 133



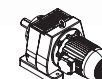
18,50 kW - 1750 rpm



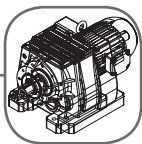
rpm	i_{tot}	fs	Fr (N)	código	páginas
25,6	68,3	2,61	120000	C68337	131 a 133
22,4	78,1	2,28	120000	C68338	131 a 133
19,9	88,1	2,02	120000	C68339	131 a 133
18,4	94,9	1,88	120000	C68340	131 a 133
16,0	110	1,63	120000	C68341	131 a 133
13,8	127	1,41	120000	C68342	131 a 133
12,6	138	1,29	120000	C68343	131 a 133
11,5	152	1,17	120000	C68344	131 a 133
9,64	182	0,98	120000	C68345	131 a 133
8,60	204	0,88	120000	C68346	131 a 133



22,00 kW - 1750 rpm





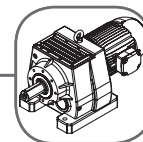
424	4,13	0,95	3000	C56212	113 a 115
407	4,30	0,94	3500	C56213	113 a 115
337	5,19	0,94	3500	C56214	113 a 115
308	5,67	0,94	3900	C56215	113 a 115
274	6,38	0,94	3900	C56216	113 a 115
250	7,00	0,94	3800	C56217	113 a 115
235	7,46	0,92	3900	C56218	113 a 115
419	4,18	1,69	8000	C58212	116 a 118
404	4,33	1,68	8500	C58213	116 a 118
341	5,13	1,68	8900	C58214	116 a 118
313	5,60	1,68	9400	C58215	116 a 118
269	6,50	1,68	9700	C58216	116 a 118
233	7,50	1,69	10000	C58217	116 a 118
225	7,78	1,66	10000	C58218	116 a 118
190	9,21	1,40	10000	C58219	116 a 118
174	10,0	1,29	10000	C58220	116 a 118
150	11,7	1,11	10000	C58221	116 a 118
128	13,7	0,94	10000	C58222	116 a 118
116	15,0	0,86	10000	C58223	116 a 118
419	4,17	2,74	9000	C60212	119 a 121
388	4,51	2,73	9500	C60213	119 a 121
331	5,28	2,73	9800	C60214	119 a 121
287	6,10	2,73	10000	C60215	119 a 121
247	7,07	2,73	10000	C60216	119 a 121
242	7,22	2,73	11000	C60217	119 a 121
224	7,80	2,73	12000	C60218	119 a 121
191	9,14	2,73	12000	C60219	119 a 121
166	10,5	2,37	12000	C60220	119 a 121
143	12,2	2,04	13000	C60221	119 a 121
132	13,2	1,89	13000	C60222	119 a 121
115	15,2	1,65	14000	C60223	119 a 121
99,5	17,6	1,42	14000	C60224	119 a 121
91,0	19,2	1,30	15000	C60225	119 a 121
81,8	21,4	1,17	15000	C60226	119 a 121
76,3	22,9	1,09	8300	C60227	119 a 121
68,2	25,7	0,97	10000	C60228	119 a 121
69,7	25,1	1,00	18000	C60328	119 a 121
67,2	26,0	0,96	19000	C60329	119 a 121
56,7	30,8	0,81	19000	C60330	119 a 121
383	4,57	4,55	9000	C62213	122 a 124
333	5,26	4,55	9500	C62214	122 a 124
310	5,64	4,55	10000	C62215	122 a 124
268	6,53	4,55	12000	C62216	122 a 124



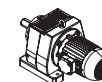
 **22,00 kW - 1750 rpm**



rpm	 itot	 fs	Fr (N)	código	páginas
234	7,47	4,55	12000	C62217	122 a 124
211	8,28	4,53	13000	C62218	122 a 124
184	9,52	3,94	11000	C62219	122 a 124
171	10,2	3,67	12000	C62220	122 a 124
148	11,8	3,17	13000	C62221	122 a 124
129	13,5	2,77	14000	C62222	122 a 124
115	15,3	2,46	15000	C62223	122 a 124
106	16,4	2,03	16000	C62224	122 a 124
92,1	19,0	1,94	17000	C62226	122 a 124
79,8	21,9	1,71	18000	C62227	122 a 124
73,0	24,0	1,56	19000	C62228	122 a 124
66,4	26,4	1,42	20000	C62229	122 a 124
55,6	31,5	1,19	21000	C62230	122 a 124
65,7	26,6	1,41	29000	C62328	122 a 124
60,8	28,8	1,30	29000	C62329	122 a 124
52,0	33,7	1,11	29000	C62330	122 a 124
45,0	38,9	0,96	29000	C62331	122 a 124
38,2	45,8	0,82	29000	C62333	122 a 124
120	14,6	4,58	37000	C64223	125 a 127
105	16,7	3,99	40000	C64224	125 a 127
97,5	17,9	3,71	43000	C64225	125 a 127
86,0	20,3	3,28	47000	C64226	125 a 127
74,7	23,4	2,85	49000	C64227	125 a 127
68,6	25,5	2,61	53000	C64228	125 a 127
60,8	28,8	2,32	53000	C64329	125 a 127
56,3	31,1	2,14	54000	C64330	125 a 127
48,1	36,4	1,83	53000	C64331	125 a 127
41,7	42,0	1,59	53000	C64332	125 a 127
40,3	43,4	1,53	53000	C64333	125 a 127
37,3	46,9	1,42	53000	C64334	125 a 127
31,9	54,9	1,21	53000	C64335	125 a 127
27,6	63,4	1,05	53000	C64336	125 a 127
23,8	73,6	0,91	53000	C64337	125 a 127
22,0	79,5	0,84	53000	C64338	125 a 127
82,6	21,2	4,91	62000	C66226	128 a 130
76,1	23,0	4,71	67000	C66227	128 a 130
67,9	25,8	4,20	64000	C66228	128 a 130
60,8	28,8	3,76	40000	C66329	128 a 130
52,9	33,1	3,27	40000	C66330	128 a 130
49,3	35,5	3,05	45000	C66331	128 a 130
42,5	41,1	2,63	45000	C66332	128 a 130
37,6	46,5	2,33	50000	C66333	128 a 130
32,8	53,4	2,03	50000	C66334	128 a 130
30,5	57,4	1,89	55000	C66335	128 a 130
26,4	66,4	1,63	55000	C66336	128 a 130
23,1	75,9	1,43	60000	C66337	128 a 130
20,4	85,6	1,26	60000	C66338	128 a 130
19,0	92,2	1,17	62000	C66339	128 a 130
16,4	107	1,02	62000	C66341	128 a 130
14,2	123	0,88	62000	C66342	128 a 130
13,0	135	0,80	62000	C66343	128 a 130
72,2	24,3	4,88	120000	C68227	131 a 133



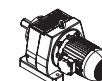
22,00 kW - 1750 rpm



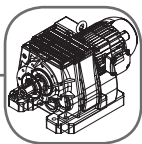
rpm	itot	fs	Fr (N)	código	páginas
67,5	25,9	4,85	120000	C68228	131 a 133
59,4	29,5	4,83	120000	C68229	131 a 133
54,7	32,0	4,69	110000	C68330	131 a 133
47,3	37,0	4,05	120000	C68331	131 a 133
41,4	42,3	3,54	120000	C68332	131 a 133
36,6	47,8	3,13	120000	C68334	131 a 133
31,8	55,0	2,73	120000	C68335	131 a 133
29,7	59,0	2,54	120000	C68336	131 a 133
25,6	68,3	2,19	120000	C68337	131 a 133
22,4	78,1	1,92	120000	C68338	131 a 133
19,9	88,1	1,70	120000	C68339	131 a 133
18,4	94,9	1,58	120000	C68340	131 a 133
16,0	110	1,37	120000	C68341	131 a 133
13,8	127	1,18	120000	C68342	131 a 133
12,6	138	1,08	120000	C68343	131 a 133
11,5	152	0,99	120000	C68344	131 a 133
9,64	182	0,83	120000	C68345	131 a 133



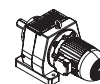
30,00 kW - 1750 rpm



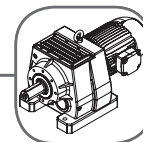
419	4,18	1,24	8000	C58212	116 a 118
404	4,33	1,23	8500	C58213	116 a 118
341	5,13	1,23	8900	C58214	116 a 118
313	5,60	1,23	9400	C58215	116 a 118
269	6,50	1,23	9700	C58216	116 a 118
233	7,50	1,24	10000	C58217	116 a 118
225	7,78	1,22	10000	C58218	116 a 118
190	9,21	1,03	10000	C58219	116 a 118
174	10,0	0,94	10000	C58220	116 a 118
150	11,7	0,81	10000	C58221	116 a 118
419	4,17	2,01	9000	C60212	119 a 121
388	4,51	2,00	9500	C60213	119 a 121
331	5,28	2,00	9800	C60214	119 a 121
287	6,10	2,00	10000	C60215	119 a 121
247	7,07	2,00	10000	C60216	119 a 121
242	7,22	2,00	11000	C60217	119 a 121
224	7,80	2,00	12000	C60218	119 a 121
191	9,14	2,01	12000	C60219	119 a 121
166	10,5	1,74	12000	C60220	119 a 121
143	12,2	1,50	13000	C60221	119 a 121
132	13,2	1,38	13000	C60222	119 a 121
115	15,2	1,21	14000	C60223	119 a 121
99,5	17,6	1,04	14000	C60224	119 a 121
91,0	19,2	0,95	15000	C60225	119 a 121
81,8	21,4	0,86	15000	C60226	119 a 121
76,3	22,9	0,80	8300	C60227	119 a 121
383	4,57	3,34	9000	C62213	122 a 124
333	5,26	3,34	9500	C62214	122 a 124
310	5,64	3,33	10000	C62215	122 a 124



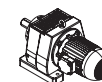
30,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
268	6,53	3,34	12000	C62216	122 a 124
234	7,47	3,34	12000	C62217	122 a 124
211	8,28	3,32	13000	C62218	122 a 124
184	9,52	2,89	11000	C62219	122 a 124
171	10,2	2,69	12000	C62220	122 a 124
148	11,8	2,32	13000	C62221	122 a 124
129	13,5	2,03	14000	C62222	122 a 124
115	15,3	1,80	15000	C62223	122 a 124
106	16,4	1,49	16000	C62224	122 a 124
92,1	19,0	1,42	17000	C62226	122 a 124
79,8	21,9	1,25	18000	C62227	122 a 124
73,0	24,0	1,15	19000	C62228	122 a 124
66,4	26,4	1,04	20000	C62229	122 a 124
55,6	31,5	0,87	21000	C62230	122 a 124
65,7	26,6	1,03	29000	C62328	122 a 124
60,8	28,8	0,96	29000	C62329	122 a 124
52,0	33,7	0,82	29000	C62330	122 a 124
170	10,3	4,75	30000	C64220	125 a 127
159	11,0	4,44	31000	C64221	125 a 127
138	12,7	3,85	34000	C64222	125 a 127
120	14,6	3,36	37000	C64223	125 a 127
105	16,7	2,93	40000	C64224	125 a 127
97,5	17,9	2,72	43000	C64225	125 a 127
86,0	20,3	2,40	47000	C64226	125 a 127
74,7	23,4	2,09	49000	C64227	125 a 127
68,6	25,5	1,92	53000	C64228	125 a 127
60,8	28,8	1,70	53000	C64329	125 a 127
56,3	31,1	1,57	54000	C64330	125 a 127
48,1	36,4	1,34	53000	C64331	125 a 127
41,7	42,0	1,16	53000	C64332	125 a 127
40,3	43,4	1,13	53000	C64333	125 a 127
37,3	46,9	1,04	53000	C64334	125 a 127
31,9	54,9	0,89	53000	C64335	125 a 127
105	16,6	4,78	60000	C66224	128 a 130
94,0	18,6	4,27	63000	C66225	128 a 130
82,6	21,2	3,60	62000	C66226	128 a 130
76,1	23,0	3,45	67000	C66227	128 a 130
67,9	25,8	3,08	64000	C66228	128 a 130
60,8	28,8	2,76	40000	C66329	128 a 130
52,9	33,1	2,40	40000	C66330	128 a 130
49,3	35,5	2,23	45000	C66331	128 a 130
42,5	41,1	1,93	45000	C66332	128 a 130
37,6	46,5	1,71	50000	C66333	128 a 130
32,8	53,4	1,49	50000	C66334	128 a 130
30,5	57,4	1,38	55000	C66335	128 a 130
26,4	66,4	1,20	55000	C66336	128 a 130
23,1	75,9	1,05	60000	C66337	128 a 130
20,4	85,6	0,93	60000	C66338	128 a 130



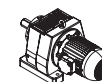
30,00 kW - 1750 rpm



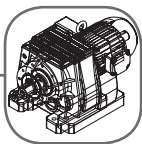
rpm	i_{tot}	fs	Fr (N)	código	páginas
19,0	92,2	0,86	62000	C66339	128 a 130
72,2	24,3	3,58	120000	C68227	131 a 133
67,5	25,9	3,56	120000	C68228	131 a 133
59,4	29,5	3,54	120000	C68229	131 a 133
67,5	25,9	4,24	100000	C68328	131 a 133
58,8	29,8	3,69	100000	C68329	131 a 133
54,7	32,0	3,44	110000	C68330	131 a 133
47,3	37,0	2,97	120000	C68331	131 a 133
41,4	42,3	2,60	120000	C68332	131 a 133
36,6	47,8	2,30	120000	C68334	131 a 133
31,8	55,0	2,00	120000	C68335	131 a 133
29,7	59,0	1,86	120000	C68336	131 a 133
25,6	68,3	1,61	120000	C68337	131 a 133
22,4	78,1	1,41	120000	C68338	131 a 133
19,9	88,1	1,25	120000	C68339	131 a 133
18,4	94,9	1,16	120000	C68340	131 a 133
16,0	110	1,00	120000	C68341	131 a 133
13,8	127	0,87	120000	C68342	131 a 133



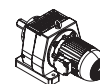
37,00 kW - 1750 rpm



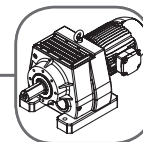
419	4,18	1,00	8000	C58212	116 a 118
404	4,33	1,00	8500	C58213	116 a 118
341	5,13	1,00	8900	C58214	116 a 118
313	5,60	1,00	9400	C58215	116 a 118
269	6,50	1,00	9700	C58216	116 a 118
233	7,50	1,00	10000	C58217	116 a 118
225	7,78	0,99	10000	C58218	116 a 118
190	9,21	0,83	10000	C58219	116 a 118
419	4,17	1,63	9000	C60212	119 a 121
388	4,51	1,63	9500	C60213	119 a 121
331	5,28	1,62	9800	C60214	119 a 121
287	6,10	1,63	10000	C60215	119 a 121
247	7,07	1,62	10000	C60216	119 a 121
242	7,22	1,62	11000	C60217	119 a 121
224	7,80	1,62	12000	C60218	119 a 121
191	9,14	1,63	12000	C60219	119 a 121
166	10,5	1,41	12000	C60220	119 a 121
143	12,2	1,21	13000	C60221	119 a 121
132	13,2	1,12	13000	C60222	119 a 121
115	15,2	0,98	14000	C60223	119 a 121
99,5	17,6	0,84	14000	C60224	119 a 121
383	4,57	2,71	9000	C62213	122 a 124
333	5,26	2,70	9500	C62214	122 a 124
310	5,64	2,70	10000	C62215	122 a 124
268	6,53	2,71	12000	C62216	122 a 124
234	7,47	2,71	12000	C62217	122 a 124
211	8,28	2,69	13000	C62218	122 a 124



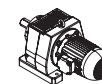
37,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
184	9,52	2,34	11000	C62219	122 a 124
171	10,2	2,18	12000	C62220	122 a 124
148	11,8	1,88	13000	C62221	122 a 124
129	13,5	1,65	14000	C62222	122 a 124
115	15,3	1,46	15000	C62223	122 a 124
106	16,4	1,21	16000	C62224	122 a 124
92,1	19,0	1,15	17000	C62226	122 a 124
79,8	21,9	1,02	18000	C62227	122 a 124
73,0	24,0	0,93	19000	C62228	122 a 124
66,4	26,4	0,85	20000	C62229	122 a 124
55,6	31,5	0,71	21000	C62230	122 a 124
65,7	26,6	0,84	29000	C62328	122 a 124
416	4,20	4,60	20000	C64213	125 a 127
354	4,94	4,60	21000	C64214	125 a 127
308	5,68	4,60	22000	C64215	125 a 127
288	6,09	4,60	23000	C64216	125 a 127
250	7,01	4,60	24000	C64217	125 a 127
230	7,60	4,60	25000	C64218	125 a 127
196	8,94	4,43	29000	C64219	125 a 127
170	10,3	3,85	30000	C64220	125 a 127
159	11,0	3,60	31000	C64221	125 a 127
138	12,7	3,12	34000	C64222	125 a 127
120	14,6	2,72	37000	C64223	125 a 127
105	16,7	2,37	40000	C64224	125 a 127
97,5	17,9	2,21	43000	C64225	125 a 127
86,0	20,3	1,95	47000	C64226	125 a 127
74,7	23,4	1,69	49000	C64227	125 a 127
68,6	25,5	1,55	53000	C64228	125 a 127
60,8	28,8	1,38	53000	C64329	125 a 127
56,3	31,1	1,27	54000	C64330	125 a 127
48,1	36,4	1,09	53000	C64331	125 a 127
41,7	42,0	0,94	53000	C64332	125 a 127
40,3	43,4	0,91	53000	C64333	125 a 127
37,3	46,9	0,84	53000	C64334	125 a 127
128	13,7	4,70	49000	C66222	128 a 130
120	14,6	4,41	54000	C66223	128 a 130
105	16,6	3,87	60000	C66224	128 a 130
94,0	18,6	3,46	63000	C66225	128 a 130
82,6	21,2	2,92	62000	C66226	128 a 130
76,1	23,0	2,80	67000	C66227	128 a 130
67,9	25,8	2,50	64000	C66228	128 a 130
60,8	28,8	2,24	40000	C66329	128 a 130
52,9	33,1	1,95	40000	C66330	128 a 130
49,3	35,5	1,81	45000	C66331	128 a 130
42,5	41,1	1,56	45000	C66332	128 a 130
37,6	46,5	1,38	50000	C66333	128 a 130
32,8	53,4	1,21	50000	C66334	128 a 130
30,5	57,4	1,12	55000	C66335	128 a 130



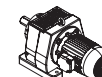
37,00 kW - 1750 rpm



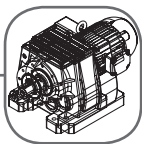
rpm	i _{tot}	fs	Fr (N)	código	páginas
26,4	66,4	0,97	55000	C66336	128 a 130
23,1	75,9	0,85	60000	C66337	128 a 130
90,9	19,3	4,63	120000	C68225	131 a 133
81,8	21,4	4,17	120000	C68226	131 a 133
72,2	24,3	2,90	120000	C68227	131 a 133
67,5	25,9	2,88	120000	C68228	131 a 133
59,4	29,5	2,87	120000	C68229	131 a 133
67,5	25,9	3,44	100000	C68328	131 a 133
58,8	29,8	2,99	100000	C68329	131 a 133
54,7	32,0	2,79	110000	C68330	131 a 133
47,3	37,0	2,41	120000	C68331	131 a 133
41,4	42,3	2,11	120000	C68332	131 a 133
36,6	47,8	1,86	120000	C68334	131 a 133
31,8	55,0	1,62	120000	C68335	131 a 133
29,7	59,0	1,51	120000	C68336	131 a 133
25,6	68,3	1,30	120000	C68337	131 a 133
22,4	78,1	1,14	120000	C68338	131 a 133
19,9	88,1	1,01	120000	C68339	131 a 133
18,4	94,9	0,94	120000	C68340	131 a 133
16,0	110	0,81	120000	C68341	131 a 133



45,00 kW - 1750 rpm



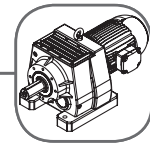
419	4,18	0,83	8000	C58212	116 a 118
404	4,33	0,82	8500	C58213	116 a 118
341	5,13	0,82	8900	C58214	116 a 118
313	5,60	0,82	9400	C58215	116 a 118
269	6,50	0,82	9700	C58216	116 a 118
233	7,50	0,83	10000	C58217	116 a 118
225	7,78	0,81	10000	C58218	116 a 118
419	4,17	1,34	9000	C60212	119 a 121
388	4,51	1,34	9500	C60213	119 a 121
331	5,28	1,33	9800	C60214	119 a 121
287	6,10	1,34	10000	C60215	119 a 121
247	7,07	1,34	10000	C60216	119 a 121
242	7,22	1,34	11000	C60217	119 a 121
224	7,80	1,34	12000	C60218	119 a 121
191	9,14	1,34	12000	C60219	119 a 121
166	10,5	1,16	12000	C60220	119 a 121
143	12,2	1,00	13000	C60221	119 a 121
132	13,2	0,92	13000	C60222	119 a 121
115	15,2	0,81	14000	C60223	119 a 121
383	4,57	2,23	9000	C62213	122 a 124
333	5,26	2,22	9500	C62214	122 a 124
310	5,64	2,22	10000	C62215	122 a 124
268	6,53	2,23	12000	C62216	122 a 124
234	7,47	2,23	12000	C62217	122 a 124



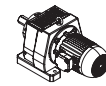
45,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
211	8,28	2,21	13000	C62218	122 a 124
184	9,52	1,93	11000	C62219	122 a 124
171	10,2	1,79	12000	C62220	122 a 124
148	11,8	1,55	13000	C62221	122 a 124
129	13,5	1,35	14000	C62222	122 a 124
115	15,3	1,20	15000	C62223	122 a 124
106	16,4	0,99	16000	C62224	122 a 124
92,1	19,0	0,95	17000	C62226	122 a 124
79,8	21,9	0,84	18000	C62227	122 a 124
416	4,20	3,78	20000	C64213	125 a 127
354	4,94	3,78	21000	C64214	125 a 127
308	5,68	3,78	22000	C64215	125 a 127
288	6,09	3,78	23000	C64216	125 a 127
250	7,01	3,78	24000	C64217	125 a 127
230	7,60	3,78	25000	C64218	125 a 127
196	8,94	3,64	29000	C64219	125 a 127
170	10,3	3,17	30000	C64220	125 a 127
159	11,0	2,96	31000	C64221	125 a 127
138	12,7	2,57	34000	C64222	125 a 127
120	14,6	2,24	37000	C64223	125 a 127
105	16,7	1,95	40000	C64224	125 a 127
97,5	17,9	1,82	43000	C64225	125 a 127
86,0	20,3	1,60	47000	C64226	125 a 127
74,7	23,4	1,39	49000	C64227	125 a 127
68,6	25,5	1,28	53000	C64228	125 a 127
60,8	28,8	1,13	53000	C64329	125 a 127
56,3	31,1	1,05	54000	C64330	125 a 127
48,1	36,4	0,90	53000	C64331	125 a 127
146	12,0	4,43	58000	C66221	128 a 130
128	13,7	3,87	49000	C66222	128 a 130
120	14,6	3,63	54000	C66223	128 a 130
105	16,6	3,18	60000	C66224	128 a 130
94,0	18,6	2,84	63000	C66225	128 a 130
82,6	21,2	2,40	62000	C66226	128 a 130
76,1	23,0	2,30	67000	C66227	128 a 130
67,9	25,8	2,05	64000	C66228	128 a 130
60,8	28,8	1,84	40000	C66329	128 a 130
52,9	33,1	1,60	40000	C66330	128 a 130
49,3	35,5	1,49	45000	C66331	128 a 130
42,5	41,1	1,29	45000	C66332	128 a 130
37,6	46,5	1,14	50000	C66333	128 a 130
32,8	53,4	0,99	50000	C66334	128 a 130
30,5	57,4	0,92	55000	C66335	128 a 130
26,4	66,4	0,80	55000	C66336	128 a 130
111	15,7	4,66	100000	C68223	131 a 133
105	16,7	4,39	110000	C68224	131 a 133
90,9	19,3	3,81	120000	C68225	131 a 133
81,8	21,4	3,43	120000	C68226	131 a 133



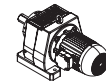
45,00 kW - 1750 rpm



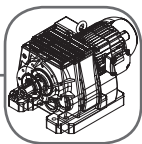
rpm	i_{tot}	fs	Fr (N)	código	páginas
72,2	24,3	2,38	120000	C68227	131 a 133
67,5	25,9	2,37	120000	C68228	131 a 133
59,4	29,5	2,36	120000	C68229	131 a 133
67,5	25,9	2,83	100000	C68328	131 a 133
58,8	29,8	2,46	100000	C68329	131 a 133
54,7	32,0	2,29	110000	C68330	131 a 133
47,3	37,0	1,98	120000	C68331	131 a 133
41,4	42,3	1,73	120000	C68332	131 a 133
36,6	47,8	1,53	120000	C68334	131 a 133
31,8	55,0	1,33	120000	C68335	131 a 133
29,7	59,0	1,24	120000	C68336	131 a 133
25,6	68,3	1,07	120000	C68337	131 a 133
22,4	78,1	0,94	120000	C68338	131 a 133
19,9	88,1	0,83	120000	C68339	131 a 133



55,00 kW - 1750 rpm



419	4,17	1,09	9000	C60212	119 a 121
388	4,51	1,09	9500	C60213	119 a 121
331	5,28	1,09	9800	C60214	119 a 121
287	6,10	1,09	10000	C60215	119 a 121
247	7,07	1,09	10000	C60216	119 a 121
242	7,22	1,09	11000	C60217	119 a 121
224	7,80	1,09	12000	C60218	119 a 121
191	9,14	1,09	12000	C60219	119 a 121
166	10,5	0,95	12000	C60220	119 a 121
143	12,2	0,82	13000	C60221	119 a 121
383	4,57	1,82	9000	C62213	122 a 124
333	5,26	1,82	9500	C62214	122 a 124
310	5,64	1,82	10000	C62215	122 a 124
268	6,53	1,82	12000	C62216	122 a 124
234	7,47	1,82	12000	C62217	122 a 124
211	8,28	1,81	13000	C62218	122 a 124
184	9,52	1,58	11000	C62219	122 a 124
171	10,2	1,47	12000	C62220	122 a 124
148	11,8	1,27	13000	C62221	122 a 124
129	13,5	1,11	14000	C62222	122 a 124
115	15,3	0,98	15000	C62223	122 a 124
106	16,4	0,81	16000	C62224	122 a 124
416	4,20	3,09	20000	C64213	125 a 127
354	4,94	3,10	21000	C64214	125 a 127
308	5,68	3,10	22000	C64215	125 a 127
288	6,09	3,09	23000	C64216	125 a 127
250	7,01	3,09	24000	C64217	125 a 127
230	7,60	3,09	25000	C64218	125 a 127
196	8,94	2,98	29000	C64219	125 a 127
170	10,3	2,59	30000	C64220	125 a 127
159	11,0	2,42	31000	C64221	125 a 127
138	12,7	2,10	34000	C64222	125 a 127

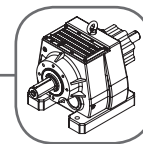


55,00 kW - 1750 rpm



rpm	i_{tot}	fs	Fr (N)	código	páginas
120	14,6	1,83	37000	C64223	125 a 127
105	16,7	1,60	40000	C64224	125 a 127
97,5	17,9	1,49	43000	C64225	125 a 127
86,0	20,3	1,31	47000	C64226	125 a 127
74,7	23,4	1,14	49000	C64227	125 a 127
68,6	25,5	1,05	53000	C64228	125 a 127
56,3	31,1	0,86	54000	C64330	125 a 127
229	7,63	4,78	40000	C66217	128 a 130
189	9,24	4,69	49000	C66219	128 a 130
169	10,3	4,19	53000	C66220	128 a 130
146	12,0	3,62	58000	C66221	128 a 130
128	13,7	3,16	49000	C66222	128 a 130
120	14,6	2,97	54000	C66223	128 a 130
105	16,6	2,61	60000	C66224	128 a 130
94,0	18,6	2,33	63000	C66225	128 a 130
82,6	21,2	1,97	62000	C66226	128 a 130
76,1	23,0	1,88	67000	C66227	128 a 130
67,9	25,8	1,68	64000	C66228	128 a 130
60,8	28,8	1,50	40000	C66329	128 a 130
52,9	33,1	1,31	40000	C66330	128 a 130
49,3	35,5	1,22	45000	C66331	128 a 130
42,5	41,1	1,05	45000	C66332	128 a 130
37,6	46,5	0,93	50000	C66333	128 a 130
32,8	53,4	0,81	50000	C66334	128 a 130
164	10,7	4,98	80000	C68220	131 a 133
143	12,2	4,92	88000	C68221	131 a 133
125	14,0	4,28	93000	C68222	131 a 133
111	15,7	3,81	100000	C68223	131 a 133
105	16,7	3,59	110000	C68224	131 a 133
90,9	19,3	3,12	120000	C68225	131 a 133
81,8	21,4	2,80	120000	C68226	131 a 133
72,2	24,3	1,95	120000	C68227	131 a 133
67,5	25,9	1,94	120000	C68228	131 a 133
59,4	29,5	1,93	120000	C68229	131 a 133
67,5	25,9	2,31	100000	C68328	131 a 133
58,8	29,8	2,01	100000	C68329	131 a 133
54,7	32,0	1,88	110000	C68330	131 a 133
47,3	37,0	1,62	120000	C68331	131 a 133
41,4	42,3	1,42	120000	C68332	131 a 133
36,6	47,8	1,25	120000	C68334	131 a 133
31,8	55,0	1,09	120000	C68335	131 a 133
29,7	59,0	1,02	120000	C68336	131 a 133
25,6	68,3	0,88	120000	C68337	131 a 133

Obs.: Fatores de serviço para rotações inferiores a 1750 decrescem linearmente. Para rotações superiores, consultar a WEG-CESTARI



Nas tabelas de características técnicas, a rotação máxima é válida para motorreductores. Para redutores com mancal a rotação máxima é 1800 rpm ou o valor da coluna rpm.max caso este for inferior a 1800 rpm.

Para rotações abaixo de 1750 rpm a potência admissível pode ser obtida com uma regra de 3 simples.

Para rotações acima de 1750 rpm até o limite máximo admissível obtido nas tabelas de Características Técnicas (págs. 79 a 93), deve ser utilizado o fator conforme abaixo:

nx	fn
3600	1,54
3200	1,43
3000	1,38
2800	1,32
2500	1,23
2200	1,14
2000	1,08

Exemplo:

Redutor: C51332

Redução: 40,4

Potência: 0,63 kW

Rotação de entrada: 1750

Rotação de saída: 43,3

Rotação desejada: 69

Rotação de entrada: 2800

Redução: 40,4

Rotação de saída (corrigida): 69,5

$$P_{2800} = 0,63 \times 1,32 = 0,83 \text{ kW}$$

P₂₈₀₀ = Potência admissível na rotação de 2800 rpm

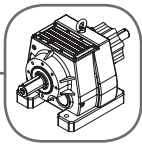
$$P_x = P_n \cdot f_n$$

P_x= Potência na rotação nx

P_n= Potência nominal a 1750 rpm (Tabelas nas págs. 79 a 93)

f_n= Fator da rotação nx

***Para rotação de entrada abaixo de 100 rpm a lubrificação do redutor pode ficar prejudicada, neste caso solicitamos consultar a WEG-CESTARI.**



Características técnicas



80 - 140 Nm

51

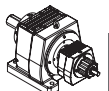


rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
<small>n1=1750 rpm</small>							
428	4,09	3,59	80	900	3000	C51212	63-100
349	5,01	3,51	96	900	3200	C51214	63-100
306	5,72	3,52	110	800	3300	C51215	63-100
267	6,57	3,52	126	800	3400	C51216	63-100
248	7,05	3,51	135	800	3500	C51217	63-100
235	7,45	3,44	140	900	3000	C51218	63-100
191	9,14	2,81	140	800	3200	C51219	63-100
168	10,4	2,46	140	900	3300	C51220	63-100
146	12,0	2,14	140	1800	3400	C51221	63-100
136	12,9	1,71	120	1900	3500	C51222	63-100
126	13,9	1,71	130	2100	3500	C51223	63-100
110	15,9	1,61	140	2200	3600	C51224	63-90
97,4	18,0	1,43	140	2400	3600	C51225	63-80
86,8	20,2	1,27	140	2500	3600	C51226	63-80
75,5	23,2	1,11	140	2600	3600	C51227	63-71
70,0	25,0	1,03	140	2800	3600	C51228	63-71
63,8	27,4	0,94	140	2900	3600	C51229	63-71
80,3	21,8	1,18	140	2950	3200	C51327	63-100
67,2	26,0	0,99	140	3100	3300	C51328	63-100
59,5	29,4	0,87	140	3200	3400	C51329	63-100
55,1	31,8	0,81	140	3300	3500	C51330	63-100
51,7	33,8	0,76	140	3500	3200	C51331	63-100
43,3	40,4	0,63	140	3600	3300	C51332	63-100
38,3	45,6	0,56	140	3800	3400	C51333	63-100
35,5	49,3	0,52	140	3900	3500	C51334	63-100
32,3	54,1	0,47	140	4100	3600	C51335	63-100
28,0	62,5	0,41	140	4200	3600	C51336	63-90
24,6	71,1	0,36	140	4200	3600	C51337	63-80
21,8	80,1	0,32	140	4200	3600	C51338	63-80
18,8	92,9	0,28	140	4200	3600	C51339	63-71
17,4	100	0,26	140	4200	3600	C51340	63-71
15,8	111	0,23	140	4200	3600	C51341	63-71



80 - 140 Nm

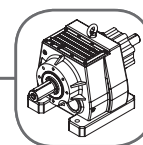
51



11

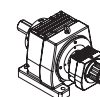
13,2	132	0,194	140	2500	3400	C51442	63-100
12,3	142	0,181	140	2500	3500	C51443	63-100
11,7	150	0,171	140	2500	3000	C51444	63-100
9,50	184	0,139	140	2500	3200	C51445	63-100
8,32	210	0,122	140	2500	3300	C51446	63-100
7,25	241	0,106	140	2500	3400	C51447	63-100
6,75	259	0,099	140	2500	3500	C51448	63-100
6,23	281	0,091	140	2500	3600	C51449	63-100
5,46	320	0,080	140	2500	3600	C51450	63-90
4,84	362	0,071	140	2500	3600	C51451	63-80
4,31	406	0,063	140	2500	3600	C51452	63-80
3,74	467	0,055	140	2500	3600	C51453	63-71
3,47	504	0,051	140	2500	3600	C51454	63-71
3,17	553	0,046	140	2500	3600	C51455	63-71
2,93	597	0,043	140	4200	3000	C51556	63-100
2,39	733	0,035	140	4200	3200	C51557	63-100
2,09	836	0,031	140	4200	3300	C51558	63-100
1,82	959	0,027	140	4200	3400	C51559	63-100
1,70	1.030	0,025	140	4200	3500	C51560	63-100
1,57	1.117	0,023	140	4200	3600	C51561	63-100
1,37	1.274	0,020	140	4200	3600	C51562	63-90

* Verificar limites motor / reductor na página 167



80 - 140 Nm

51



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
1,22	1.439	0,018	140	4200	3600	C51563	63-80
1,08	1.614	0,016	140	4200	3600	C51564	63-80
0,942	1.858	0,014	140	4200	3600	C51565	63-71
0,874	2.003	0,013	140	4200	3600	C51566	63-71
0,796	2.198	0,012	140	4200	3600	C51567	63-71
0,688	2.545	0,010	140	4200	3500	C51668	63-100
0,646	2.710	0,009	140	4200	3200	C51669	63-100
0,540	3.241	0,008	140	4200	3300	C51670	63-100
0,479	3.657	0,007	140	4200	3400	C51671	63-100
0,443	3.953	0,006	140	4200	3500	C51672	63-100
0,404	4.337	0,006	140	4200	3600	C51673	63-100
0,349	5.008	0,005	140	4200	3600	C51674	63-90
0,307	5.700	0,005	140	4200	3600	C51675	63-80
0,273	6.419	0,004	140	4200	3600	C51676	63-80
0,235	7.440	0,003	140	4200	3600	C51677	63-71
0,217	8.046	0,003	140	4200	3600	C51678	63-71
0,197	8.884	0,003	140	4200	3600	C51679	63-71



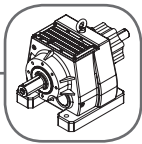
115 - 240 Nm

52



419	4,17	5,05	115	900	3300	C52212	63-100
342	5,12	5,01	140	900	3200	C52214	63-100
299	5,84	5,02	160	800	3300	C52215	63-100
261	6,70	5,06	185	800	3400	C52216	63-100
243	7,20	5,09	200	800	3500	C52217	63-100
233	7,53	4,87	200	900	3300	C52218	63-100
190	9,23	3,97	200	800	3200	C52219	63-100
166	10,5	3,48	200	900	3300	C52220	63-100
145	12,1	3,03	200	1800	3400	C52221	63-100
135	13,0	2,82	200	1900	3500	C52222	63-100
124	14,1	2,60	200	2100	3600	C52223	63-100
109	16,1	2,28	200	2200	3600	C52224	63-90
96,5	18,1	1,92	190	2400	3600	C52225	63-80
86,0	20,3	1,80	200	2500	3600	C52226	63-80
74,7	23,4	1,57	200	2600	3600	C52227	63-71
69,3	25,2	1,45	200	2800	3600	C52228	63-71
63,2	27,7	1,32	200	2900	3600	C52229	63-71
79,6	22,0	1,67	200	2950	3200	C52327	63-100
66,6	26,3	1,39	200	3100	3300	C52328	63-100
59,0	29,7	1,24	200	3200	3400	C52329	63-100
54,6	32,1	1,14	200	3300	3500	C52330	63-100
51,2	34,2	1,18	220	3500	3200	C52331	63-100
42,9	40,8	1,03	230	3600	3300	C52332	63-100
38,0	46,1	0,95	240	3800	3400	C52333	63-100
35,1	49,8	0,88	240	3900	3500	C52334	63-100
32,0	54,6	0,80	240	4100	3600	C52335	63-100
27,7	63,1	0,70	240	4200	3600	C52336	63-90
24,4	71,8	0,61	240	4200	3600	C52337	63-80
21,6	80,9	0,54	240	4200	3600	C52338	63-80
18,7	93,8	0,47	240	4200	3600	C52339	63-71
17,3	101	0,43	240	4200	3600	C52340	63-71
15,6	112	0,39	240	4200	3600	C52341	63-71

* Verificar limites motor / reductor na página 167

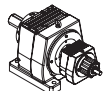


Características técnicas



240 Nm

52

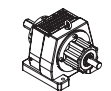


rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
13,1	134	0,274	200	2500	3400	C52442	63-100
12,2	143	0,256	200	2500	3500	C52443	63-100
11,5	152	0,242	200	2500	3000	C52444	63-100
9,41	186	0,197	200	2500	3200	C52445	63-100
8,24	212	0,173	200	2500	3300	C52446	63-100
7,18	244	0,150	200	2500	3400	C52447	63-100
6,69	262	0,140	200	2500	3500	C52448	63-100
6,17	284	0,129	200	2500	3600	C52449	63-100
5,41	323	0,113	200	2500	3600	C52450	63-90
4,79	365	0,100	200	2500	3600	C52451	63-80
4,27	410	0,089	200	2500	3600	C52452	63-80
3,71	472	0,078	200	2500	3600	C52453	63-71
3,44	509	0,072	200	2500	3600	C52454	63-71
3,14	558	0,066	200	2500	3600	C52455	63-71
2,90	603	0,073	240	4900	3000	C52556	63-100
2,37	740	0,059	240	4900	3200	C52557	63-100
2,07	844	0,052	240	4900	3300	C52558	63-100
1,81	968	0,045	240	4900	3400	C52559	63-100
1,68	1.040	0,042	240	4900	3500	C52560	63-100
1,55	1.128	0,039	240	4900	3600	C52561	63-100
1,36	1.286	0,034	240	4900	3600	C52562	63-90
1,20	1.453	0,030	240	4900	3600	C52563	63-80
1,07	1.630	0,027	240	4900	3600	C52564	63-80
0,933	1.876	0,023	240	4900	3600	C52565	63-71
0,865	2.022	0,022	240	4900	3600	C52566	63-71
0,789	2.219	0,020	240	4900	3600	C52567	63-71
0,681	2.569	0,017	240	4900	3500	C52668	63-100
0,640	2.736	0,016	240	4900	3200	C52669	63-100
0,535	3.272	0,013	240	4900	3300	C52670	63-100
0,474	3.692	0,012	240	4900	3400	C52671	63-100
0,439	3.991	0,011	240	4900	3500	C52672	63-100
0,400	4.378	0,010	240	4900	3600	C52673	63-100
0,346	5.056	0,009	240	4900	3600	C52674	63-90
0,304	5.755	0,008	240	4900	3600	C52675	63-80
0,270	6.481	0,007	240	4900	3600	C52676	63-80
0,233	7.512	0,006	240	4900	3600	C52677	63-71
0,215	8.124	0,005	240	4900	3600	C52678	63-71
0,195	8.969	0,005	240	4900	3600	C52679	63-71



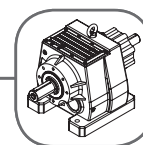
300 Nm

53



341	5,1	5,358	150	2400	3200	C53214	63-132
298	5,9	5,153	165	2470	3300	C53215	63-132
272	6,4	5,126	180	2650	3400	C53216	63-132
235	7,4	4,930	200	2750	3500	C53217	63-112
213	8,2	4,903	220	2700	3300	C53218	63-112
201	8,7	5,255	250	2750	3200	C53219	63-132
176	10,0	5,515	300	2900	3300	C53220	63-132
160	10,9	5,028	300	3000	3400	C53221	63-132
139	12,6	5,353	300	3080	3500	C53222	63-112
125	14,0	3,935	300	3230	3600	C53223	63-112
113	15,5	3,541	300	3300	3600	C53224	63-100
101	17,4	3,168	300	3390	3600	C53225	63-90
89,6	19,5	2,816	300	3530	3600	C53226	63-90
79,0	22,2	2,481	300	3710	3600	C53227	63-80

* Verificar limites motor / reductor na página 167



300 Nm

53



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
110	15,9	3,462	300	3350	3300	C53324	63-132
96,4	18,2	3,027	300	3500	3500	C53325	63-132
87,9	19,9	2,760	300	3500	3600	C53326	63-132
76,1	23,0	2,389	300	3800	3600	C53327	63-112
68,8	25,4	2,160	300	4000	3600	C53328	63-112
64,9	27,0	2,037	300	4000	3300	C53329	63-132
56,7	30,9	1,782	300	4300	3500	C53330	63-132
51,7	33,8	1,624	300	4500	3600	C53331	63-132
44,8	39,1	1,406	300	4600	3600	C53332	63-112
40,5	43,2	1,271	300	4930	3600	C53333	63-112
35,3	49,6	1,109	300	5150	3300	C53334	63-112
30,9	56,7	0,970	300	5420	3500	C53335	63-132
28,1	62,2	0,884	300	5420	3600	C53336	63-132
24,4	71,8	0,765	300	5420	3600	C53337	63-112
22,0	79,5	0,692	300	5420	3600	C53338	63-112
19,8	88,3	0,623	300	5420	3600	C53339	63-100
17,7	98,7	0,557	300	5420	3600	C53340	63-90
15,8	111,0	0,495	300	5420	3600	C53341	63-90
13,9	126,0	0,436	300	5420	3600	C53342	63-80
12,1	144,5	0,380	300	5420	3600	C53343	63-71
11,3	155,5	0,354	300	5420	3600	C53344	63-71



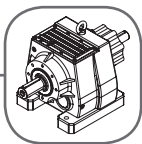
225 - 450 Nm

54



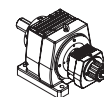
419	4,18	10,02	225	1700	2500	C54212	100-132
375	4,66	10,22	260	1900	2600	C54213	100-132
347	5,04	9,82	270	2000	2700	C54214	100-132
287	6,09	10,07	335	2000	2800	C54216	100-132
250	7,00	10,48	400	3100	2500	C54217	100-132
224	7,80	10,10	430	3300	2600	C54218	100-132
207	8,44	9,77	450	3400	2700	C54219	100-132
172	10,2	8,08	450	3600	2800	C54220	100-132
148	11,8	6,99	450	3600	3300	C54221	63-132
125	14,0	5,91	450	3800	3200	C54223	63-132
112	15,7	5,27	450	4000	3600	C54224	63-132
94,3	18,6	4,44	450	4300	3500	C54225	63-100
87,8	19,9	4,14	450	4600	3600	C54226	63-100
78,1	22,4	3,68	450	4700	3600	C54227	63-90
79,2	22,1	3,73	450	5300	3000	C54327	63-132
64,6	27,1	3,04	450	5500	3200	C54329	63-132
56,6	30,9	2,67	450	5900	3300	C54330	63-132
49,3	35,5	2,32	450	6100	3400	C54331	63-112
45,9	38,1	2,16	450	6400	3500	C54332	63-100
40,9	42,8	1,93	450	6600	3000	C54333	63-132
33,3	52,5	1,57	450	6900	3200	C54334	63-132
29,2	60,0	1,38	450	7100	3300	C54335	63-132
25,4	68,8	1,20	450	7100	3400	C54336	63-112
23,7	73,9	1,12	450	7100	3500	C54337	63-100
21,8	80,1	1,03	450	7100	3600	C54338	63-100
19,2	91,4	0,90	450	7100	3600	C54339	63-90
17,0	103	0,80	450	7100	3600	C54340	63-80
15,1	116	0,71	450	7100	3600	C54341	63-80
13,1	133	0,62	450	7100	3600	C54342	63-71
12,2	144	0,57	450	7100	3600	C54343	63-71
11,1	158	0,52	450	7100	3600	C54344	63-71

* Verificar limites motor / reductor na página 167



225 - 450 Nm

54



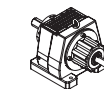
rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
10,4	169	0,489	450	4700	3300	C54445	63-100
8,47	207	0,399	450	4700	3200	C54446	63-100
7,42	236	0,350	450	4700	3300	C54447	63-100
6,46	271	0,305	450	4700	3400	C54448	63-100
6,02	291	0,284	450	4700	3500	C54449	63-100
5,55	315	0,262	450	4700	3600	C54450	63-100
4,87	360	0,229	450	4700	3600	C54451	63-90
4,31	406	0,203	450	4700	3600	C54452	63-80
3,84	456	0,181	450	4700	3600	C54453	63-80
3,34	524	0,157	450	4700	3600	C54454	63-71
3,10	565	0,146	450	4700	3600	C54455	63-71
2,66	658	0,125	450	7100	3500	C54556	63-100
2,55	688	0,120	450	7100	3300	C54557	63-100
2,07	843	0,098	450	7100	3200	C54558	63-100
1,82	963	0,086	450	7100	3300	C54559	63-100
1,48	1.186	0,070	450	7100	3500	C54561	63-100
1,36	1.286	0,064	450	7100	3600	C54562	63-100
1,19	1.467	0,056	450	7100	3600	C54563	63-90
1,06	1.657	0,050	450	7100	3600	C54564	63-80
0,941	1.859	0,044	450	7100	3600	C54565	63-80
0,818	2.139	0,039	450	7100	3600	C54566	63-71
0,759	2.306	0,036	450	7100	3600	C54567	63-71
0,646	2.711	0,030	450	7100	3400	C54668	63-100
0,597	2.930	0,028	450	7100	3500	C54669	63-100
0,561	3.121	0,026	450	7100	3200	C54670	63-100
0,469	3.731	0,022	450	7100	3300	C54671	63-100
0,416	4.210	0,020	450	7100	3400	C54672	63-100
0,385	4.551	0,018	450	7100	3500	C54673	63-100
0,350	4.993	0,017	450	7100	3600	C54674	63-100
0,303	5.766	0,014	450	7100	3600	C54675	63-90
0,267	6.563	0,013	450	7100	3600	C54676	63-80
0,237	7.391	0,011	450	7100	3600	C54677	63-80
0,204	8.566	0,010	450	7100	3600	C54678	63-71
0,189	9.264	0,009	450	7100	3600	C54679	63-71
0,171	10.228	0,008	450	7100	3600	C54680	63-71

11



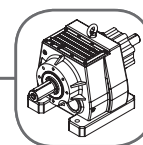
300 - 600 Nm

55



472	3,71	12,30	250	5200	2500	C55212	100-132
392	4,47	12,30	300	5400	2700	C55213	100-132
324	5,40	12,21	360	5500	2800	C55215	100-132
280	6,25	12,32	420	5700	3000	C55216	100-132
247	7,09	12,27	480	5800	2500	C55217	100-132
221	7,91	12,27	530	5900	2600	C55218	100-132
205	8,56	12,21	570	6200	2700	C55219	100-132
169	10,3	10,63	600	6500	2800	C55220	100-132
146	12,0	9,19	600	6600	3000	C55221	63-132
124	14,2	7,77	600	6900	3200	C55223	63-132
110	15,9	6,93	600	7100	3300	C55224	63-132
93,0	18,8	5,80	600	7300	3500	C55225	63-100
86,6	20,2	5,44	600	7500	3600	C55226	63-100
77,1	22,7	4,84	600	8000	3600	C55227	63-90
68,9	25,4	3,35	465	8000	3600	C55228	63-80
61,7	28,4	3,33	515	8000	3600	C55229	63-80
78,1	22,4	4,91	600	7900	3000	C55327	63-132

* Verificar limites motor / reductor na página 167



300 - 600 Nm

55



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
63,7	27,5	4,00	600	7700	3200	C55329	63-132
55,8	31,4	3,51	600	7500	3300	C55330	63-132
48,6	36,0	3,06	600	7500	3400	C55331	63-112
45,3	38,6	2,84	600	7500	3500	C55332	63-100
40,3	43,4	2,53	600	7500	3000	C55333	63-132
32,9	53,3	2,06	600	7500	3200	C55334	63-132
28,8	60,8	1,81	600	7500	3300	C55335	63-132
25,1	69,8	1,58	600	7500	3400	C55336	63-112
23,4	74,9	1,47	600	7500	3500	C55337	63-100
21,5	81,2	1,35	600	7500	3600	C55338	63-100
18,9	92,6	1,19	600	7500	3600	C55339	63-90
16,7	105	1,05	600	7500	3600	C55340	63-80
14,9	117	0,94	600	7500	3600	C55341	63-80
13,0	135	0,81	600	7500	3600	C55342	63-71
12,0	146	0,75	600	7500	3600	C55343	63-71
11,0	160	0,69	600	7500	3600	C55344	63-71



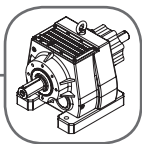
300 - 600 Nm

55



10,2	171	0,643	600	8000	3300	C55445	63-100
8,35	210	0,525	600	8000	3200	C55446	63-100
7,32	239	0,460	600	8000	3300	C55447	63-100
6,38	274	0,401	600	8000	3400	C55448	63-100
5,94	295	0,373	600	8000	3500	C55449	63-100
5,48	320	0,344	600	8000	3600	C55450	63-100
4,80	365	0,302	600	8000	3600	C55451	63-90
4,25	412	0,267	600	8000	3600	C55452	63-80
3,79	462	0,238	600	8000	3600	C55453	63-80
3,29	532	0,207	600	8000	3600	C55454	63-71
3,23	541	0,203	600	7500	3300	C55555	63-100
2,82	621	0,177	600	7500	3400	C55556	63-100
2,51	697	0,158	600	7500	3500	C55557	63-100
2,05	855	0,129	600	7500	3200	C55559	63-100
1,79	976	0,113	600	7500	3300	C55560	63-100
1,56	1.120	0,098	600	7500	3400	C55561	63-100
1,34	1.304	0,084	600	7500	3500	C55562	63-100
1,18	1.487	0,074	600	7500	3600	C55563	63-90
1,04	1.680	0,065	600	7500	3600	C55564	63-80
0,929	1.885	0,058	600	7500	3600	C55565	63-80
0,807	2.169	0,051	600	7500	3600	C55566	63-71
0,748	2.338	0,047	600	7500	3600	C55567	63-71
0,718	2.436	0,045	600	7500	3300	C55668	63-100
0,637	2.749	0,040	600	7500	3400	C55669	63-100
0,589	2.971	0,037	600	7500	3500	C55670	63-100
0,463	3.783	0,029	600	7500	3300	C55672	63-100
0,410	4.269	0,026	600	7500	3400	C55673	63-100
0,346	5.062	0,022	600	7500	3500	C55674	63-100
0,299	5.846	0,019	600	7500	3600	C55675	63-90
0,263	6.654	0,017	600	7500	3600	C55676	63-80
0,234	7.493	0,015	600	7500	3600	C55677	63-80
0,201	8.685	0,013	600	7500	3600	C55678	63-71
0,186	9.393	0,012	600	7500	3600	C55679	63-71
0,169	10.371	0,011	600	7500	3600	C55680	63-71

* Verificar limites motor / reductor na página 167



465 - 820 Nm

56



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
424	4,13	20,96	465	3000	2300	C56212	100-160
407	4,30	20,68	485	3500	2500	C56213	100-160
337	5,19	20,66	585	3500	2400	C56214	100-160
308	5,67	20,67	640	3900	2800	C56215	63-160
274	6,39	20,66	720	3900	2600	C56216	63-160
250	7,00	20,68	790	3800	2700	C56217	63-160
235	7,46	20,15	820	3900	2500	C56218	100-160
194	9,00	16,70	820	4100	2400	C56219	100-160
178	9,84	15,27	820	6300	2800	C56220	63-160
158	11,1	13,57	820	6400	2600	C56221	63-160
144	12,1	12,37	820	6700	3600	C56222	63-160
125	14,0	10,72	820	7000	3600	C56223	63-160
109	16,0	9,38	820	7300	3300	C56224	63-132
93,0	18,8	7,99	820	7600	3200	C56225	63-132
83,6	20,9	7,18	820	7900	3600	C56226	63-132
71,0	24,7	6,10	820	8200	3500	C56227	63-100
66,6	26,3	5,71	820	8800	3600	C56228	63-100
78,6	22,3	6,75	820	9900	2500	C56327	63-100
70,4	24,8	6,05	820	9900	2600	C56328	63-100
65,1	26,9	5,59	820	9900	2700	C56329	63-100
53,9	32,5	4,63	820	9900	2800	C56330	63-100
46,6	37,6	4,00	820	9900	3000	C56331	63-100
43,7	40,1	3,75	820	9900	2500	C56332	63-100
39,1	44,7	3,36	820	9900	2600	C56333	63-100
36,2	48,4	3,11	820	9900	2700	C56334	63-100
29,9	58,5	2,57	820	9900	2800	C56335	63-100
25,9	67,6	2,22	820	9900	3000	C56337	63-100
21,9	80,0	1,88	820	9900	3200	C56338	63-100
19,5	89,7	1,68	820	9900	3300	C56339	63-100
16,5	106	1,41	820	9900	3500	C56340	63-100
15,3	114	1,32	820	9900	3600	C56341	63-100
13,6	128	1,17	820	9900	3600	C56342	63-90
12,2	144	1,05	820	9900	3600	C56343	63-80
10,9	160	0,94	820	9900	3600	C56344	63-80
9,57	183	0,82	820	9900	3600	C56345	63-71
8,82	198	0,76	820	9900	3600	C56346	63-71

11



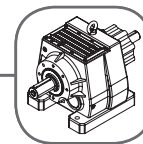
465 - 820 Nm

56



7,21	243	0,619	820	8800	3200	C56448	63-100
6,32	277	0,542	820	8800	3300	C56449	63-100
5,51	318	0,473	820	8800	3400	C56450	63-100
5,13	341	0,440	820	8800	3500	C56451	63-100
4,73	370	0,406	820	8800	3600	C56452	63-100
4,15	422	0,356	820	8800	3600	C56453	63-90
3,67	477	0,315	820	8800	3600	C56454	63-80
3,27	535	0,281	820	8800	3600	C56455	63-80
2,84	616	0,244	820	8800	3600	C56456	63-71
2,28	766	0,196	820	9900	3400	C56557	63-100
2,13	823	0,183	820	9900	3500	C56558	63-100
2,04	860	0,175	820	9900	3300	C56559	63-100
1,66	1.055	0,142	820	9900	3200	C56560	63-100
1,45	1.204	0,125	820	9900	3400	C56562	63-100
1,18	1.483	0,101	820	9900	3500	C56563	63-100
1,09	1.608	0,093	820	9900	3600	C56564	63-100
0,954	1.834	0,082	820	9900	3600	C56565	63-90
0,845	2.071	0,073	820	9900	3600	C56566	63-80

* Verificar limites motor / reductor na página 167



465- 820 Nm

56



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
0,753	2.324	0,065	820	9900	3600	C56567	63-80
0,654	2.675	0,056	820	9900	3600	C56568	63-71
0,583	3.004	0,050	820	9900	3300	C56669	63-100
0,516	3.390	0,044	820	9900	3400	C56670	63-100
0,478	3.664	0,041	820	9900	3500	C56671	63-100
0,449	3.902	0,039	820	9900	3200	C56672	63-100
0,375	4.665	0,032	820	9900	3300	C56673	63-100
0,332	5.264	0,029	820	9900	3400	C56674	63-100
0,308	5.690	0,026	820	9900	3500	C56675	63-100
0,280	6.243	0,024	820	9900	3600	C56676	63-100
0,243	7.210	0,021	820	9900	3600	C56677	63-90
0,213	8.206	0,018	820	9900	3600	C56678	63-80
0,189	9.241	0,016	820	9900	3600	C56679	63-80
0,163	10.711	0,014	820	9900	3600	C56680	63-71
0,151	11.583	0,013	820	9900	3600	C56681	63-71
0,137	12.789	0,012	820	9900	3600	C56682	63-71



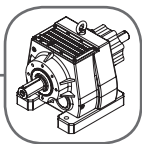
835 - 1550 Nm

58



419	4,18	37,18	835	8000	2000	C58212	80-180
404	4,33	37,00	875	8500	2000	C58213	80-180
341	5,13	36,96	1035	8900	2100	C58214	80-180
313	5,60	36,99	1130	9400	2200	C58215	80-180
269	6,50	36,93	1310	9700	2300	C58216	80-180
233	7,50	37,14	1520	10000	2000	C58217	80-180
225	7,78	36,52	1550	10000	2000	C58218	80-180
190	9,21	30,84	1550	10000	2100	C58219	80-180
174	10,0	28,27	1550	10000	2200	C58220	80-180
150	11,7	24,35	1550	10000	2300	C58221	80-180
128	13,7	20,69	1550	10000	2400	C58222	80-180
116	15,0	18,88	1550	10000	2500	C58223	80-180
105	16,7	17,00	1550	10000	2600	C58224	80-160
96,9	18,1	15,73	1550	10000	2700	C58225	80-160
85,1	20,6	13,81	1550	10000	2800	C58226	80-160
75,8	23,1	11,31	1425	10000	3000	C58227	80-132
65,2	26,8	10,59	1550	7800	3600	C58229	80-132
59,0	29,7	9,57	1550	9400	3300	C58230	80-132
72,5	24,2	11,76	1550	15000	2300	C58327	80-180
69,6	25,2	11,29	1550	16000	2300	C58328	80-180
57,6	30,4	9,35	1550	16000	2400	C58329	80-180
52,7	33,2	8,55	1550	16000	2500	C58330	80-180
46,8	37,4	7,60	1550	16000	2600	C58331	80-160
42,7	41,0	6,93	1550	13000	3400	C58332	80-160
37,0	47,3	6,01	1550	15000	2800	C58333	80-160
32,2	54,3	5,23	1550	15000	2400	C58335	80-180
29,5	59,3	4,79	1550	16000	2500	C58336	80-180
26,2	66,8	4,25	1550	16000	2600	C58337	80-160
23,9	73,2	3,65	1460	16000	3400	C58338	80-160
20,7	84,5	3,36	1550	16000	2800	C58339	80-160
18,1	96,6	2,94	1550	16000	3000	C58340	80-132
15,4	113	2,50	1550	16000	3200	C58341	80-132
13,9	126	2,25	1550	16000	3300	C58342	80-132
11,8	149	1,91	1550	16000	3500	C58343	80-100
11,0	159	1,79	1550	16000	3600	C58344	80-100
9,90	177	1,61	1550	16000	3600	C58345	80-90
8,89	197	1,44	1550	16000	3600	C58346	80
7,91	221	1,28	1550	16000	3600	C58347	80

* Verificar limites motor / reductor na página 167

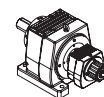


Características técnicas



835 - 1550 Nm

58



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
7,56	232	1,23	1550	9400	2600	C58447	63-132
6,99	250	1,13	1550	9400	2700	C58448	100-132
5,78	303	0,938	1550	9400	3300	C58450	63-132
5,00	350	0,811	1550	9400	3200	C58451	63-132
4,23	414	0,686	1550	9400	3600	C58452	63-132
3,77	464	0,612	1550	9400	3500	C58454	63-132
3,18	551	0,516	1550	9400	3600	C58455	63-100
2,63	665	0,427	1550	9400	3600	C58456	63-90
2,27	769	0,369	1550	16000	2800	C58558	100-132
1,98	883	0,322	1550	16000	2500	C58559	100-132
1,78	985	0,288	1550	16000	2600	C58560	100-132
1,64	1.066	0,267	1550	16000	2700	C58561	100-132
1,36	1.288	0,220	1550	16000	2800	C58562	100-132
1,17	1.490	0,191	1550	16000	3300	C58563	63-132
0,993	1.762	0,161	1550	16000	3200	C58565	63-132
0,885	1.976	0,144	1550	16000	3600	C58566	63-132
0,747	2.343	0,121	1550	16000	3500	C58567	63-100
0,695	2.518	0,113	1550	16000	3600	C58568	63-100
0,619	2.828	0,100	1550	16000	3600	C58569	63-90
0,511	3.423	0,083	1550	16000	3200	C58671	63-132
0,448	3.906	0,073	1550	16000	3300	C58672	63-132
0,390	4.482	0,063	1550	16000	3400	C58673	63-112
0,364	4.813	0,059	1550	16000	3500	C58674	63-100
0,324	5.408	0,053	1550	16000	3000	C58675	63-132
0,264	6.634	0,043	1550	16000	3200	C58676	63-132
0,231	7.571	0,038	1550	16000	3300	C58677	63-132
0,201	8.687	0,033	1550	16000	3400	C58678	63-112
0,188	9.329	0,030	1550	16000	3500	C58679	63-100
0,173	10.116	0,028	1550	16000	3600	C58680	63-100
0,152	11.537	0,025	1550	16000	3600	C58681	63-90
0,134	13.030	0,022	1550	16000	3600	C58682	63-80
0,120	14.620	0,019	1550	16000	3600	C58683	63-80
0,104	16.828	0,017	1550	16000	3600	C58684	63-71
0,096	18.139	0,016	1550	16000	3600	C58685	63-71
0,088	19.901	0,014	1550	16000	3600	C58686	63-71

11



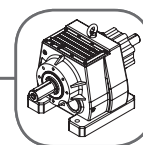
1350 - 3000 Nm

60



419	4,17	60,17	1350	9000	1800	C60212	80-225
388	4,51	60,15	1480	9500	1800	C60213	80-225
331	5,28	60,04	1730	9800	1900	C60214	80-225
287	6,10	60,13	2000	10000	2000	C60215	80-225
247	7,07	60,10	2320	10000	2100	C60216	80-225
242	7,22	60,12	2370	11000	1800	C60217	80-225
224	7,80	60,11	2560	12000	1800	C60218	80-225
191	9,14	60,16	3000	12000	1900	C60219	80-225
166	10,5	52,11	3000	12000	2000	C60220	80-225
143	12,2	44,90	3000	13000	2100	C60221	80-225
132	13,2	41,55	3000	13000	2200	C60222	80-225
115	15,2	36,27	3000	14000	2300	C60223	80-225
99,5	17,6	31,25	3000	14000	2400	C60224	80-180
91,0	19,2	28,57	3000	15000	2500	C60225	80-180
81,8	21,4	25,69	3000	15000	2600	C60226	80-180
76,3	22,9	23,96	3000	8300	2700	C60227	80-160
68,2	25,7	21,43	3000	10000	2800	C60228	80-160
69,7	25,1	21,89	3000	18000	2000	C60328	80-225
67,2	26,0	21,11	3000	19000	2000	C60329	80-225

* Verificar limites motor / reductor na página 167



1350 - 3000 Nm

60



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
56,7	30,8	17,83	3000	19000	2100	C60330	80-225
52,0	33,6	16,34	3000	19000	2200	C60331	80-225
44,8	39,1	14,07	3000	19000	2300	C60332	80-225
40,5	43,3	12,71	3000	19000	2000	C60333	80-225
34,2	51,2	10,73	3000	18000	2100	C60334	80-225
31,3	55,9	9,84	3000	19000	2200	C60335	80-225
27,0	64,9	8,47	3000	19000	2300	C60336	80-225
22,9	76,3	7,20	3000	19000	2400	C60337	80-180
20,9	83,7	6,57	3000	19000	2500	C60338	80-180
18,8	92,9	5,92	3000	19000	2600	C60339	80-160
17,4	100	5,48	3000	19000	2700	C60340	80-160
15,3	114	4,81	3000	19000	2800	C60341	80-160
13,6	128	4,28	3000	19000	3000	C60342	80-132
11,7	149	3,68	3000	19000	3200	C60343	80-132
10,6	165	3,33	3000	19000	3300	C60344	80-132
8,99	195	2,82	3000	19000	3500	C60345	80-100
8,48	206	2,66	3000	19000	3600	C60346	80-100



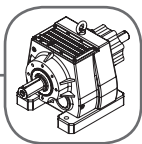
1350 - 3000 Nm

60



8,08	216	2,54	3000	10000	2700	C60447	100-132
6,69	262	2,10	3000	10000	2800	C60448	100-132
5,78	303	1,82	3000	10000	3200	C60450	63-132
4,89	358	1,54	3000	10000	3600	C60451	63-132
4,36	402	1,37	3000	10000	3500	C60452	63-132
3,68	476	1,16	3000	10000	3600	C60454	63-100
3,05	574	0,957	3000	10000	3600	C60455	63-100
2,51	697	0,789	3000	19000	2800	C60557	100-132
2,19	800	0,687	3000	19000	2500	C60558	100-132
1,96	893	0,616	3000	19000	2600	C60559	100-132
1,81	965	0,569	3000	19000	2700	C60560	100-132
1,50	1.167	0,471	3000	19000	2800	C60561	100-132
1,30	1.350	0,407	3000	19000	3300	C60562	63-132
1,10	1.597	0,344	3000	19000	3200	C60563	63-132
0,977	1.790	0,307	3000	19000	3600	C60565	63-132
0,825	2.122	0,259	3000	19000	3500	C60566	63-100
0,767	2.281	0,241	3000	19000	3600	C60567	63-100
0,683	2.562	0,215	3000	19000	3600	C60568	63-90
0,692	2.528	0,217	3000	19000	3200	C60668	63-132
0,564	3.101	0,177	3000	19000	3300	C60670	63-132
0,495	3.539	0,155	3000	19000	3400	C60671	63-112
0,431	4.060	0,135	3000	19000	3500	C60672	63-100
0,401	4.360	0,126	3000	19000	3000	C60673	63-132
0,357	4.899	0,112	3000	19000	3200	C60674	63-132
0,291	6.010	0,091	3000	19000	3300	C60676	63-132
0,255	6.859	0,080	3000	19000	3400	C60677	63-112
0,222	7.870	0,070	3000	19000	3500	C60678	63-100
0,191	9.165	0,060	3000	19000	3600	C60679	63-100
0,167	10.452	0,053	3000	19000	3600	C60680	63-90
0,148	11.805	0,047	3000	19000	3600	C60681	63-80
0,132	13.245	0,042	3000	19000	3600	C60682	63-80
0,115	15.245	0,036	3000	19000	3600	C60683	63-71
0,106	16.433	0,033	3000	19000	3600	C60684	63-71
0,097	18.029	0,030	3000	19000	3600	C60685	63-71

* Verificar limites motor / reductor na página 167



2500 - 4500 Nm

62



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
383	4,57	100,17	2500	9000	1750	C62213	100-280
333	5,26	100,08	2870	9500	1800	C62214	100-280
310	5,64	100,03	3080	10000	1800	C62215	100-280
268	6,53	100,13	3570	12000	1900	C62216	100-280
234	7,47	100,13	4080	12000	2000	C62217	100-280
211	8,28	99,55	4500	13000	1750	C62218	100-280
184	9,52	86,64	4500	11000	1800	C62219	100-280
171	10,2	80,69	4500	12000	1800	C62220	100-280
148	11,8	69,69	4500	13000	1900	C62221	100-280
129	13,5	60,97	4500	14000	2000	C62222	100-280
115	15,3	54,04	4500	15000	2100	C62223	100-280
106	16,4	44,60	4000	16000	2200	C62224	100-225
92,1	19,0	42,64	4420	17000	2300	C62226	100-225
79,8	21,9	37,61	4500	18000	2400	C62227	100-180
73,0	24,0	34,39	4500	19000	2500	C62228	100-180
66,4	26,4	31,29	4500	20000	2600	C62229	100-160
55,6	31,5	26,22	4500	21000	2800	C62230	100-160
65,7	26,6	30,97	4500	29000	1800	C62328	100-280
60,8	28,8	28,67	4500	29000	1800	C62329	100-280
52,0	33,7	24,48	4500	29000	1900	C62330	100-280
45,0	38,9	21,21	4500	29000	2000	C62331	100-280
38,2	45,8	18,02	4500	29000	1800	C62333	100-280
35,4	49,4	16,68	4500	29000	1800	C62334	100-280
30,2	57,9	14,25	4500	29000	1900	C62335	100-280
26,2	66,8	12,34	4500	29000	2000	C62336	100-280
22,6	77,5	10,63	4500	29000	2100	C62337	100-280
20,9	83,8	9,84	4500	29000	2200	C62338	100-225
18,2	96,0	8,59	4500	29000	2300	C62339	100-225
15,7	111	7,40	4500	29000	2400	C62340	100-180
14,4	122	6,77	4500	29000	2500	C62341	100-180
12,9	136	6,08	4500	28000	2600	C62342	100-160
12,0	145	5,67	4500	26000	2700	C62343	100-160
10,8	162	5,08	4500	25000	2800	C62344	100-160
9,56	183	4,51	4500	23000	3000	C62345	100-132
8,31	210	3,92	4500	22000	3200	C62346	100-132
7,50	233	3,53	4500	20000	3300	C62347	100-132

11



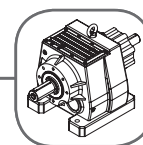
2500 - 4500 Nm

62



7,42	236	3,49	4500	19000	2800	C62447	63-160
6,59	266	3,10	4500	19000	2600	C62448	63-160
6,01	291	2,83	4500	19000	3600	C62449	63-160
5,21	336	2,45	4500	19000	3300	C62451	63-132
3,88	451	1,83	4500	19000	3200	C62453	63-132
3,49	502	1,64	4500	19000	3600	C62454	63-132
2,96	591	1,40	4500	19000	3500	C62455	63-100
2,78	630	1,31	4500	19000	3600	C62456	63-100
2,53	691	1,19	4500	29000	2600	C62557	63-160
2,25	778	1,06	4500	29000	2700	C62558	63-160
2,05	853	0,967	4500	29000	2500	C62559	63-160
1,60	1.097	0,752	4500	29000	2800	C62561	100-160
1,46	1.199	0,688	4500	29000	2600	C62562	63-160
1,30	1.350	0,611	4500	29000	3600	C62563	63-160
1,02	1.708	0,483	4500	29000	3600	C62565	63-160
0,897	1.951	0,423	4500	29000	3300	C62566	63-132
0,763	2.292	0,360	4500	29000	3200	C62567	63-132

* Verificar limites motor / reductor na página 167



2500 - 4500 Nm

62



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
<small>n1=1750 rpm</small>							
0,686	2.552	0,323	4500	29000	3600	C62568	63-132
0,583	3.004	0,275	4500	29000	3500	C62569	63-100
0,578	3.027	0,272	4500	29000	2600	C62670	63-100
0,535	3.273	0,252	4500	29000	2700	C62671	63-100
0,442	3.957	0,208	4500	29000	2800	C62672	63-100
0,382	4.576	0,180	4500	29000	3000	C62673	63-100
0,358	4.884	0,169	4500	29000	2500	C62674	63-100
0,321	5.448	0,151	4500	29000	2600	C62675	63-100
0,297	5.892	0,140	4500	29000	2700	C62676	63-100
0,246	7.123	0,116	4500	29000	2800	C62677	63-100
0,212	8.238	0,100	4500	29000	3000	C62678	63-100
0,180	9.744	0,085	4500	29000	3300	C62680	63-100
0,160	10.927	0,075	4500	29000	3500	C62681	63-112
0,126	13.920	0,059	4500	29000	3600	C62683	63-100
0,112	15.635	0,053	4500	29000	3600	C62684	63-90
0,100	17.492	0,047	4500	29000	3600	C62685	63-80
0,090	19.537	0,042	4500	29000	3600	C62686	63-80
0,079	22.290	0,037	4500	29000	3600	C62687	63-71
0,072	24.166	0,034	4500	29000	3600	C62688	63-71



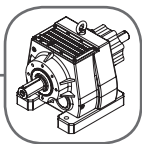
3900 - 8000 Nm

64



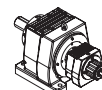
416	4,20	170,09	3900	20000	1608	C64213	132-315
354	4,94	170,24	4590	21000	1686	C64214	132-315
308	5,68	170,28	5280	22000	1758	C64215	132-315
288	6,09	170,14	5650	23000	1797	C64216	132-315
250	7,01	170,12	6510	24000	1885	C64217	132-315
230	7,61	170,12	7060	25000	1608	C64218	132-315
196	8,94	163,94	8000	29000	1686	C64219	132-315
170	10,3	142,54	8000	30000	1758	C64220	132-315
159	11,0	133,10	8000	31000	1797	C64221	132-315
138	12,7	115,50	8000	34000	1885	C64222	132-315
120	14,6	100,68	8000	37000	1967	C64223	132-315
105	16,7	87,78	8000	40000	2068	C64224	132-280
97,5	17,9	81,68	8000	43000	2124	C64225	132-225
86,0	20,3	72,06	8000	47000	2235	C64226	132-225
74,7	23,4	62,60	8000	49000	2361	C64227	132-180
68,6	25,5	57,48	8000	53000	2446	C64228	132-180
60,8	28,8	50,95	8000	53000	1800	C64329	132-315
56,3	31,1	47,16	8000	54000	1800	C64330	132-315
48,1	36,4	40,28	8000	53000	1900	C64331	132-315
41,7	42,0	34,89	8000	53000	2000	C64332	132-315
40,3	43,4	33,77	8000	53000	1800	C64333	132-315
37,3	46,9	31,26	8000	53000	1800	C64334	132-315
31,9	54,9	26,69	8000	53000	1900	C64335	132-315
27,6	63,4	23,12	8000	53000	2000	C64336	132-315
23,8	73,6	19,92	8000	53000	2100	C64337	132-280
22,0	79,5	18,44	8000	53000	2200	C64338	132-225
19,2	91,1	16,09	8000	53000	2300	C64339	132-225
16,6	106	13,87	8000	53000	2400	C64340	132-180
15,1	116	12,68	8000	53000	2500	C64341	132-180
13,6	129	11,40	8000	53000	2600	C64342	132-160
12,7	138	10,63	8000	53000	2700	C64343	132-160
11,4	154	9,51	8000	53000	2800	C64344	132-160
10,1	174	8,44	8000	53000	3000	C64345	132
8,76	200	7,34	8000	53000	3200	C64346	132
7,90	221	6,62	8000	53000	3300	C64347	132

* Verificar limites motor / reductor na página 167



3900 - 8000 Nm

64



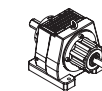
rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
6,97	251	5,84	8000	53000	2800	C64448	63-160
6,19	282	5,19	8000	53000	2600	C64449	63-160
5,65	310	4,73	8000	53000	3600	C64450	63-160
4,89	358	4,10	8000	53000	3600	C64451	63-160
4,28	408	3,59	8000	53000	3300	C64452	63-132
3,65	480	3,06	8000	53000	3200	C64453	63-132
3,28	534	2,74	8000	53000	3600	C64455	63-132
2,78	629	2,33	8000	53000	3500	C64456	63-100
2,61	671	2,19	8000	53000	3600	C64457	63-100
2,16	809	1,81	8000	53000	2700	C64558	63-160
2,03	862	1,70	8000	53000	2500	C64559	100-160
1,68	1.041	1,41	8000	53000	2400	C64560	100-160
1,54	1.138	1,29	8000	53000	2800	C64561	63-160
1,37	1.281	1,14	8000	53000	2600	C64562	63-160
1,25	1.404	1,04	8000	53000	3600	C64563	63-160
0,945	1.852	0,792	8000	53000	3600	C64565	63-132
0,805	2.175	0,674	8000	53000	3300	C64567	63-132
0,723	2.421	0,605	8000	53000	3200	C64568	63-132
0,614	2.850	0,514	8000	53000	3600	C64569	63-100
0,563	3.106	0,472	8000	53000	2700	C64670	63-100
0,466	3.755	0,390	8000	53000	2800	C64671	63-100
0,403	4.342	0,338	8000	53000	3000	C64672	63-100
0,378	4.634	0,316	8000	53000	2500	C64673	63-100
0,338	5.170	0,284	8000	53000	2600	C64674	63-100
0,313	5.591	0,262	8000	53000	2700	C64675	63-100
0,259	6.759	0,217	8000	53000	3000	C64677	63-100
0,189	9.246	0,159	8000	53000	3200	C64679	63-100
0,169	10.369	0,141	8000	53000	3300	C64680	63-100
0,142	12.291	0,119	8000	53000	3500	C64682	63-100
0,118	14.835	0,099	8000	53000	3600	C64683	63-90
0,105	16.598	0,088	8000	53000	3600	C64684	63-80
0,094	18.538	0,079	8000	53000	3600	C64685	63-80
0,083	21.150	0,069	8000	53000	3600	C64686	63-71
0,076	22.931	0,064	8000	53000	3600	C64687	63-71

11



7370 - 13000 Nm

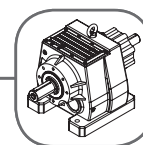
66



389	4,50	300,12	7370	20000	1550	C66213	132-315
340	5,15	300,91	8450	25000	1600	C66214	132-315
304	5,76	300,57	9450	30000	1680	C66215	132-315
263	6,66	300,89	10940	35000	1750	C66216	132-315
229	7,63	262,73	10940	40000	1800	C66217	132-315
217	8,08	294,94	13000	45000	1550	C66218	132-315
189	9,24	257,92	13000	49000	1600	C66219	132-315
169	10,3	230,37	13000	53000	1680	C66220	132-315
146	12,0	199,21	13000	58000	1750	C66221	132-315
128	13,7	173,94	13000	49000	1800	C66222	132-315
120	14,6	163,35	13000	54000	1800	C66223	132-315
105	16,6	143,29	13000	60000	1900	C66224	132-315
94,0	18,6	128,00	13000	63000	2000	C66225	132-315
82,6	21,2	108,13	12500	62000	2300	C66226	132-280
76,1	23,0	103,53	13000	67000	2200	C66227	132-225
67,9	25,8	92,37	13000	64000	2500	C66228	132-225
60,8	28,8	82,72	13000	40000	1750	C66329	132-315
52,9	33,1	71,99	13000	40000	1800	C66330	132-315
49,3	35,5	67,05	13000	45000	1800	C66331	132-315

* Verificar limites motor / reductor na página 167

Características técnicas



7370 - 13000 Nm

66



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
42,5	41,1	57,90	13000	45000	1900	C66332	132-315
37,6	46,5	51,24	13000	50000	1750	C66333	132-315
32,8	53,4	44,60	13000	50000	1800	C66334	132-315
30,5	57,4	41,53	13000	55000	1800	C66335	132-315
26,4	66,4	35,87	13000	55000	1900	C66336	132-315
23,1	75,9	31,39	13000	60000	2000	C66337	132-315
20,4	85,6	27,82	13000	60000	2100	C66338	132-280
19,0	92,2	25,83	13000	62000	2200	C66339	132-225
16,4	107	22,35	13000	62000	2300	C66341	132-225
14,2	123	19,36	13000	62000	2400	C66342	132-180
13,0	135	17,70	13000	62000	2500	C66343	132-180
11,8	148	16,11	13000	62000	2600	C66344	132-160
9,91	177	13,50	13000	62000	2800	C66345	132-160
8,85	198	12,04	13000	62000	3000	C66346	132-132
7,71	227	10,49	13000	62000	3200	C66347	132-132



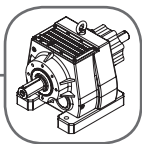
7370 - 13000 Nm

66



6,75	259	9,19	13000	64000	2200	C66448	80-180
5,82	301	7,92	13000	64000	2400	C66450	80-180
4,94	354	6,73	13000	64000	2500	C66451	80-180
4,51	388	6,14	13000	64000	2600	C66452	80-180
3,76	466	5,12	13000	64000	2700	C66453	80-160
3,30	530	4,49	13000	64000	3000	C66455	80-160
2,94	595	4,00	13000	64000	3600	C66456	63-132
2,53	692	3,44	13000	64000	3300	C66457	63-132
2,04	859	2,77	13000	62000	2600	C66558	63-160
1,86	942	2,53	13000	62000	2700	C66559	63-160
1,74	1.003	2,37	13000	62000	2500	C66560	100-160
1,44	1.211	1,97	13000	62000	2400	C66561	100-160
1,32	1.324	1,80	13000	62000	2800	C66562	63-160
1,17	1.490	1,60	13000	62000	2600	C66563	63-160
1,07	1.634	1,46	13000	62000	3600	C66564	63-160
0,928	1.886	1,26	13000	62000	3600	C66565	63-160
0,812	2.155	1,11	13000	62000	3300	C66566	63-132
0,691	2.532	0,941	13000	62000	3200	C66568	63-132
0,621	2.818	0,845	13000	62000	3600	C66569	63-132
0,528	3.317	0,718	13000	62000	3500	C66570	63-100
0,495	3.538	0,673	13000	62000	3600	C66571	63-100
0,400	4.370	0,545	13000	62000	2800	C66673	63-100
0,346	5.054	0,471	13000	62000	3000	C66674	63-100
0,324	5.394	0,442	13000	62000	2500	C66675	63-100
0,291	6.017	0,396	13000	62000	2600	C66676	63-100
0,222	7.866	0,303	13000	62000	2700	C66678	63-100
0,192	9.098	0,262	13000	62000	2800	C66679	63-100
0,163	10.761	0,221	13000	62000	3000	C66681	63-100
0,145	12.068	0,197	13000	62000	3200	C66682	63-100
0,122	14.305	0,167	13000	62000	3300	C66683	63-100
0,114	15.373	0,155	13000	62000	3500	C66684	63-100
0,101	17.267	0,138	13000	62000	3600	C66685	63-90
0,091	19.318	0,123	13000	62000	3600	C66686	63-80
0,081	21.576	0,110	13000	62000	3600	C66687	63-80
0,071	24.617	0,097	13000	62000	3600	C66688	63-71
0,066	26.689	0,089	13000	62000	3600	C66689	63-71

* Verificar limites motor / reductor na página 167



Características técnicas



8400 - 18000 Nm

68



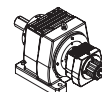
rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
n1=1750 rpm							
373	4,69	327,93	8400	45000	1500	C68213	160-315
330	5,31	327,98	9500	50000	1550	C68214	160-315
291	6,02	308,77	10150	55000	1600	C68215	160-315
255	6,87	307,54	11530	60000	1680	C68216	160-315
222	7,89	305,58	13150	65000	1750	C68217	160-315
210	8,33	332,04	15100	70000	1500	C68218	160-315
186	9,42	350,04	18000	75000	1550	C68219	160-315
164	10,7	274,16	16000	80000	1600	C68220	160-315
143	12,2	270,43	18000	88000	1680	C68221	160-315
125	14,0	235,60	18000	93000	1750	C68222	160-315
111	15,7	209,76	18000	100000	1800	C68223	160-315
105	16,7	197,46	18000	110000	1800	C68224	160-315
90,9	19,3	171,35	18000	120000	1900	C68225	160-315
81,8	21,4	154,21	18000	120000	2000	C68226	160-315
72,2	24,3	107,28	14200	120000	2300	C68227	160-280
67,5	25,9	106,73	15100	120000	2200	C68228	160-225
59,4	29,5	106,32	17100	120000	2500	C68229	160-225
67,5	25,9	127,25	18000	100000	1750	C68328	160-315
58,8	29,8	110,74	18000	100000	1800	C68329	160-315
54,7	32,0	103,14	18000	110000	1800	C68330	160-315
47,3	37,0	89,08	18000	120000	1900	C68331	160-315
41,4	42,3	77,94	18000	120000	2000	C68332	160-315
36,6	47,8	68,96	18000	120000	1750	C68334	160-315
31,8	55,0	60,01	18000	120000	1800	C68335	160-315
29,7	59,0	55,89	18000	120000	1800	C68336	160-315
25,6	68,3	48,27	18000	120000	1900	C68337	160-315
22,4	78,1	42,24	18000	120000	2000	C68338	160-315
19,9	88,1	37,43	18000	120000	2100	C68339	160-280
18,4	94,9	34,75	18000	120000	2200	C68340	160-225
16,0	110	30,07	18000	120000	2300	C68341	160-225
13,8	127	26,05	18000	120000	2400	C68342	160-180
12,6	138	23,82	18000	120000	2500	C68343	160-180
11,5	152	21,67	18000	120000	2600	C68344	160-160
9,64	182	18,16	18000	120000	2800	C68345	160-160
8,60	204	16,21	18000	120000	3000	C68346	160-132
7,49	234	14,11	18000	120000	3200	C68347	160-132

11



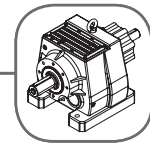
8400 - 18000 Nm

68



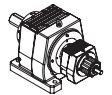
7,06	248	13,3	18000	120000	1800	C68448	100-280
6,10	287	11,5	18000	120000	1900	C68449	100-280
5,34	328	10,1	18000	120000	2000	C68450	100-280
4,73	370	8,91	18000	120000	2100	C68451	100-280
4,39	399	8,27	18000	120000	2200	C68452	100-225
3,80	461	7,16	18000	120000	2300	C68453	100-225
3,29	532	6,20	18000	120000	2400	C68454	100-180
3,01	582	5,67	18000	120000	2500	C68455	100-180
2,74	639	5,16	18000	120000	2600	C68456	100-160
2,29	763	4,32	18000	120000	2800	C68457	100-160
2,07	844	3,91	18000	120000	2000	C68558	80-225
1,79	979	3,37	18000	120000	2100	C68559	80-225
1,75	1.000	3,30	18000	120000	1800	C68560	80-225
1,62	1.081	3,05	18000	120000	1800	C68561	80-225
1,38	1.265	2,61	18000	120000	1900	C68562	80-225
1,20	1.461	2,26	18000	120000	2000	C68563	80-225
1,03	1.695	1,95	18000	120000	2100	C68564	80-225

* Verificar limites motor / reductor na página 167



8400 - 18000 Nm

68



rpm	i_{tot}	kW	Mt (Nm)	Fr (N)	rpm.máx	código	carcasa *
<small>n1=1750 rpm</small>							
0,955	1.832	1,80	18000	120000	2200	C68565	80-225
0,834	2.099	1,57	18000	120000	2300	C68566	80-225
0,718	2.436	1,35	18000	120000	2400	C68567	80-180
0,657	2.664	1,24	18000	120000	2500	C68568	80-180
0,591	2.963	1,11	18000	120000	2600	C68569	80-180
0,551	3.177	1,04	18000	120000	2700	C68570	80-160
0,493	3.552	0,929	18000	120000	2800	C68571	80-160
0,485	3.606	0,915	18000	120000	2000	C68671	80-225
0,410	4.270	0,772	18000	120000	2100	C68672	80-225
0,376	4.657	0,708	18000	120000	2200	C68673	80-225
0,324	5.409	0,610	18000	120000	2300	C68674	80-225
0,292	5.989	0,551	18000	120000	2000	C68675	80-225
0,247	7.092	0,465	18000	120000	2100	C68677	80-225
0,226	7.736	0,426	18000	120000	2200	C68678	80-225
0,195	8.983	0,367	18000	120000	2300	C68679	80-225
0,166	10.569	0,312	18000	120000	2400	C68680	80-180
0,151	11.584	0,285	18000	120000	2500	C68681	80-180
0,136	12.863	0,256	18000	120000	2600	C68682	80-160
0,126	13.903	0,237	18000	120000	2700	C68683	80-160
0,110	15.839	0,208	18000	120000	2800	C68684	80-160
0,098	17.772	0,186	18000	120000	3000	C68685	80-132
0,085	20.662	0,160	18000	120000	3200	C68686	80-132
0,077	22.849	0,144	18000	120000	3300	C68687	80-132
0,065	26.950	0,122	18000	120000	3500	C68688	80-100
0,061	28.567	0,115	18000	120000	3600	C68689	80-100

* Verificar limites motor / reductor na página 167



Weg normal / Tipo 1

4 pólos					6 pólos					8 pólos				
Carc.	CV	kW	RPM	Cód.	Carc.	CV	kW	RPM	Cód.	Carc.	CV	kW	RPM	Cód.
63	0,16	0,12	1720	B_W	63	0,16	0,12	1130	B_W	71	0,16	0,12	805	C_W
63	0,25	0,18	1710	B_W	71	0,25	0,18	1090	C_W	80	0,25	0,18	865	D_W
63	0,33	0,25	1710	B_W	71	0,33	0,25	1100	C_W	80	0,33	0,25	860	D_W
71	0,5	0,37	1720	C_W	80	0,50	0,37	1150	D_W	90S	0,50	0,37	850	E_W
71	0,75	0,55	1705	C_W	80	0,75	0,55	1150	D_W	90L	0,75	0,55	830	F_W
80	1	0,75	1720	D_W	90S	1,0	0,75	1130	E_W	90L	1,0	0,75	820	F_W
80	1,5	1,1	1720	D_W	90S	1,5	1,1	1130	E_W	100L	1,5	1,1	860	G_W
90S	2	1,5	1740	E_W	100L	2,0	1,5	1150	G_W	112M	2,0	1,5	855	H_W
90L	3	2,2	1730	F_W	100L	3,0	2,2	1140	G_W	132S	3,0	2,2	860	J_W
100L	4	3	1725	G_W	112M	4,0	3,0	1145	H_W	132M	4,0	3,0	865	K_W
100L	5	3,7	1715	G_W	132S	5,0	3,7	1160	J_W	132M	5,0	3,7	865	K_W
112M	6	4,5	1720	H_W	132S	6,0	4,5	1160	J_W	132M	5,0	3,7	865	K_W
112M	7,5	5,5	1740	H_W	132M	7,5	5,5	1160	K_W	160M	6,0	4,5	875	L_W
132S	10	7,5	1760	J_W	132M	10	7,5	1160	K_W	160M	7,5	5,5	875	L_W
132M	12,5	9,2	1755	K_W	160M	12,5	9,2	1160	L_W	160L	10	7,5	875	M_W
132M	15	11	1755	K_W	160M	15	11	1170	L_W	180M	12,5	9,2	875	N_W
160M	20	15	1760	L_W	160L	20	15	1170	M_W	180L	15	11	875	P_W
160L	25	18,5	1760	M_W	180L	25	18,5	1165	P_W	180L	20	15	870	P_W
180M	30	22	1765	N_W	200L	30	22	1175	R_W	200L	25	18,5	880	R_W
200M	40	30	1770	Q_W	200L	40	30	1175	R_W	225S/M	30	22	880	S_W
200L	50	37	1770	R_W	225S/M	50	37	1180	S_W	225S/M	40	30	880	S_W
225S/M	60	45	1775	S_W	—	—	—	—	—	—	—	—	—	—
225S/M	75	55	1770	S_W	—	—	—	—	—	—	—	—	—	—

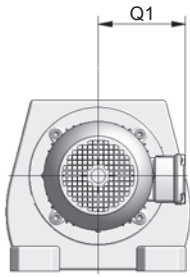
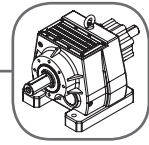
Características padrão

- 60 Hz
- Classe de Isolação "F"
- Caixa de ligação A1
- Placa de Bases (Tipo 01)
- Grau de Proteção IPW 55
- Flange FF e FR Tipo 01 (Forma B5E)
- Motores Weg até 71 220/380 - 440V acima: 220/380/440V (4 tensões)

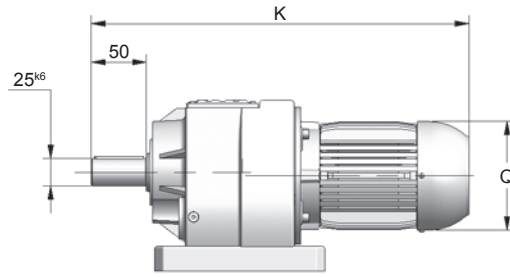
Opcionais (sob consulta) inclusive motor tipo 1

- Frequência de 50 Hz e 50/60Hz
- Classe de Isolação "H"
- Calota de Proteção*
- Ventilação Forçada
- Proteção Térmica
- 2ª Ponta de Eixo
- Tensões (V) de 220, 380, 440, 480, 220/380, 380/660, 440/660, 460, 110/220 (monofásico), 220/380/440/760 (4 tensões)
- Freio de 220 V, 380 V, 440 V, 110 V 1F, 24 VDC
- Grau de Proteção
- Resistência Aquecimento
- Polaridade do Motor de 2, 2/4, 2/6, 4/6, 4/8, 6/8, 2/8 pólos
- Motores especiais dedicados a aplicações especiais

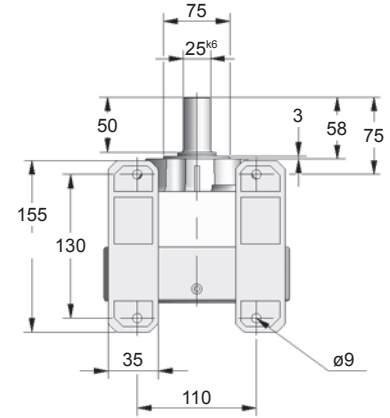
*Calota de Proteção - recomendado para motorreductores na posição de trabalho P4



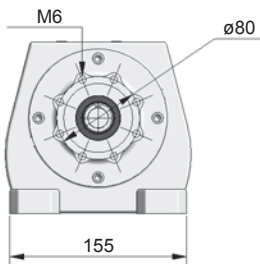
Vista frontal do motor



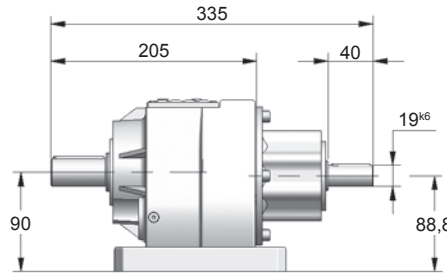
Entrada motor Weg tipo 1



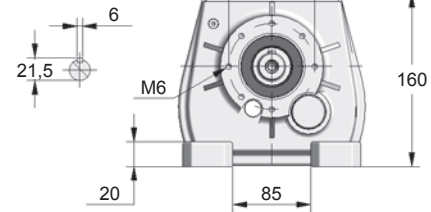
Detalhe dos pés



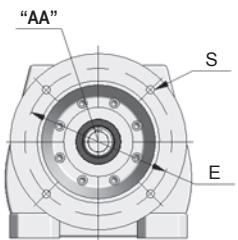
Vista lado da entrada



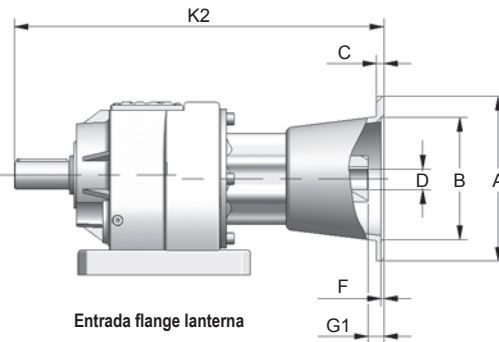
Entrada eixo integral



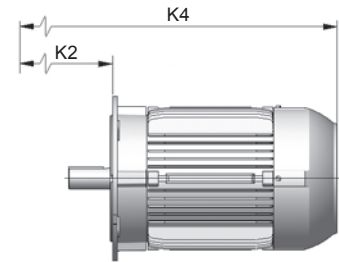
Vista lado da saída



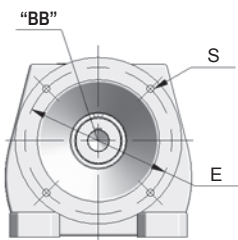
Detalhe "AA"



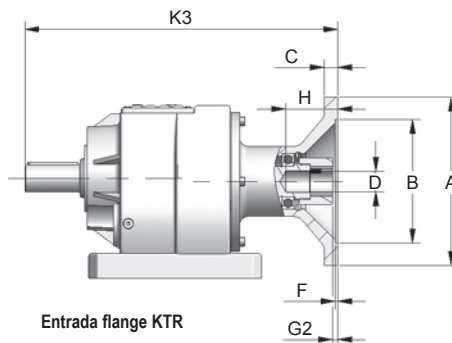
Entrada flange lanterna



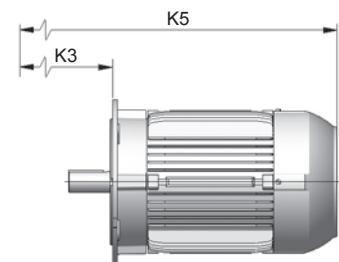
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

Flange Lanterna / KTR

Motor Elétrico

Carcça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	Ø11	115	4	0	1	25	369	289,5	10	12,8	4	445	562	482,5	124	113
71	160	110 ^{H7}	14	Ø14	130	4	0,5	1	34	370	289,5	10	16,3	5	477	588	507,5	139	121
80	200	130 ^{H7}	15	Ø19	165	4	10	1	44	387	328	12	21,8	6	504	623	564	157	130
90S	200	130 ^{H7}	15	Ø24	165	4	10	1	52	387	328	12	27,3	8	526	641	582	177	150
90L	200	130 ^{H7}	15	Ø24	165	4	10	1	52	387	328	12	27,3	8	551	666	607	177	150
100	250	180 ^{H7}	16	Ø28	215	5	20	—	—	399	—	15	31,3	8	603	715	—	198	160
112	250	180 ^{H7}	16	Ø28	215	5	20	—	—	399	—	15	31,3	8	—	732	—	235	180

* Dimensões em mm

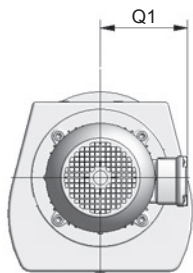


Fixação por flange - F__

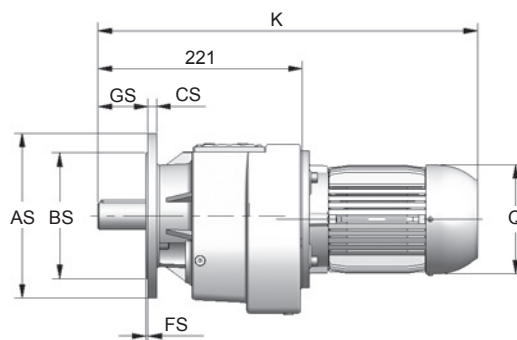
Simplex

Dimensões

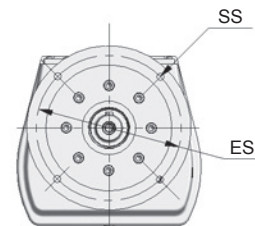
Tamanho **51**



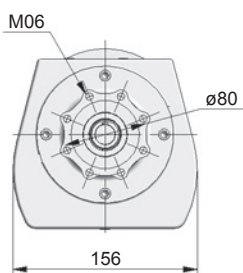
Vista frontal do motor



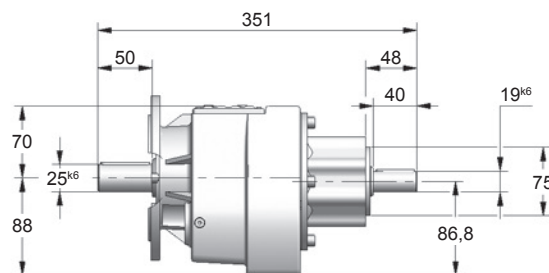
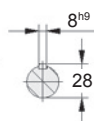
Entrada motor Weg tipo 1



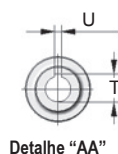
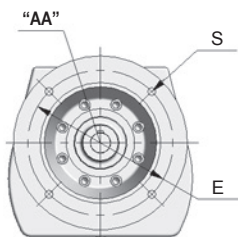
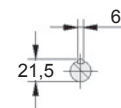
Vista lado da saída



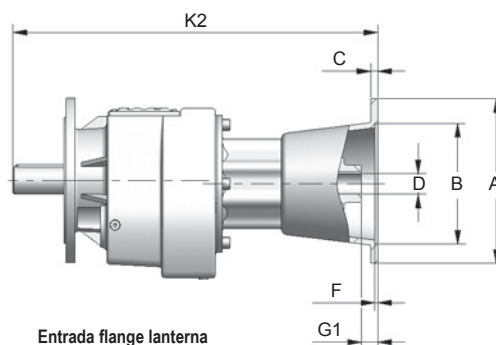
Vista lado da entrada



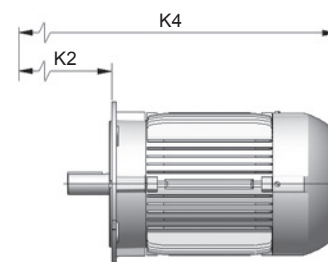
Entrada eixo integral



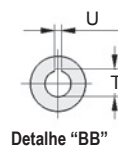
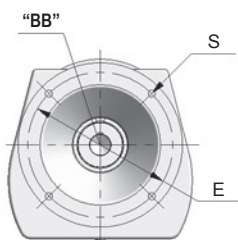
Detalhe "AA"



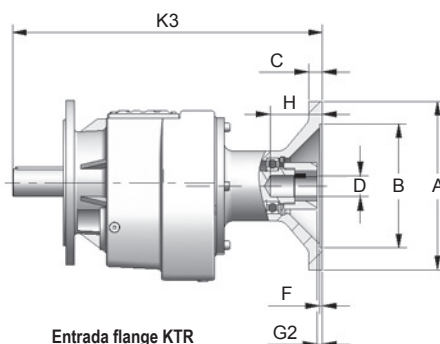
Entrada flange lanterna



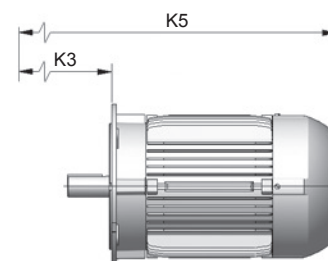
Entrada flange lanterna + motor standard*



Detalhe "BB"



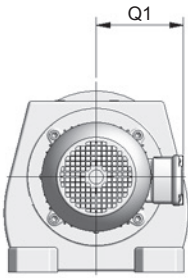
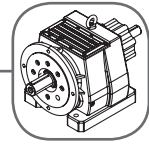
Entrada flange KTR



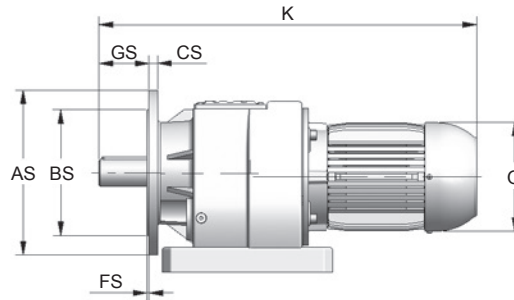
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	385	303,5	10	12,8	4	461	578	498,5	124	113	A	120	80 ^{H7}	8	100	3	50	6,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	386	305,5	10	16,3	5	493	604	523,5	139	121	B	140	95 ^{H7}	9	115	3	50	8,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	403	344	12	21,8	6	520	639	580	157	130	C	160	110 ^{H7}	10	130	3,5	50	8,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	403	344	12	27,3	8	542	657	598	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	403	344	12	27,3	8	567	682	623	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	415	—	15	31,3	8	619	731	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	415	—	15	31,3	8	—	748	—	235	180								

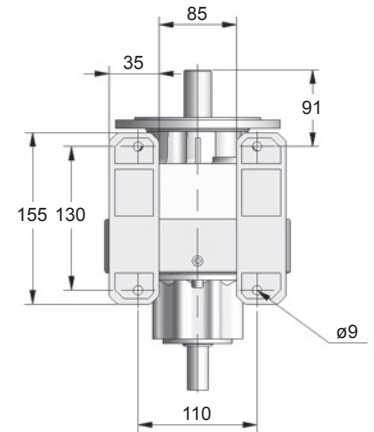
* Dimensões em mm



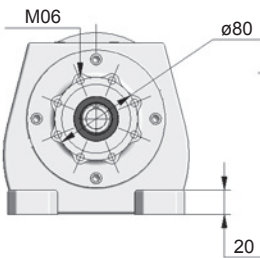
Vista frontal do motor



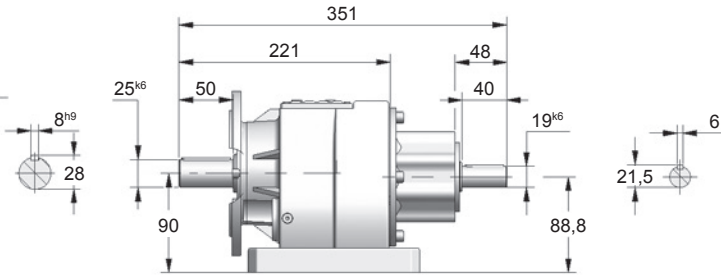
Entrada motor Weg tipo 1



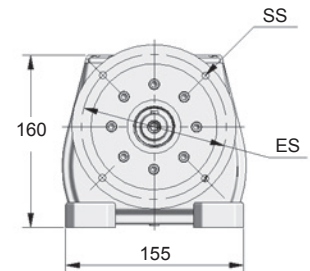
Detalhe dos pés



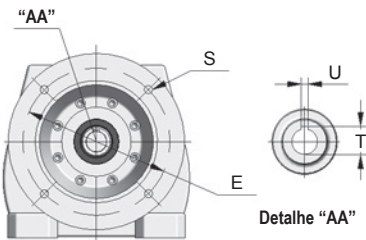
Vista lado da entrada



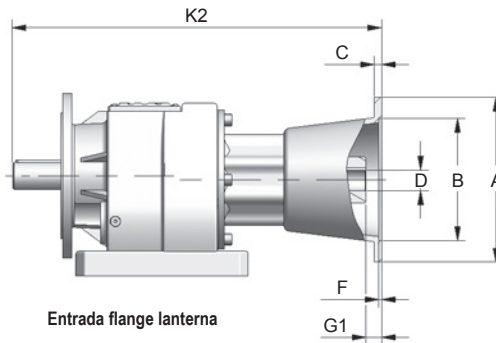
Entrada eixo integral



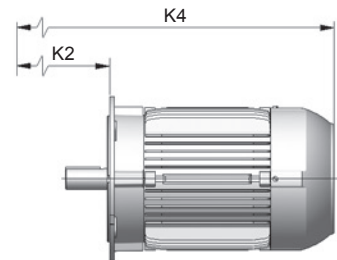
Vista lado da saída



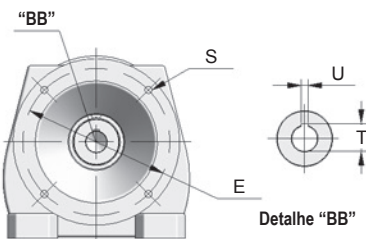
Detalhe "AA"



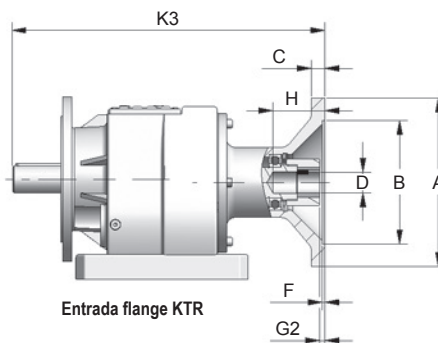
Entrada flange lanterna



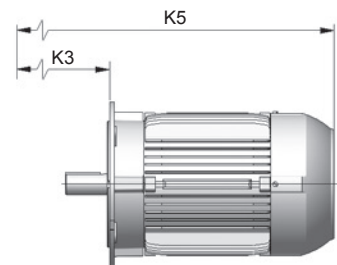
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

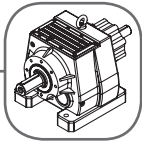
Flange Lanterna / KTR

Motor Elétrico

Flange de saída

Caraça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	385	303,5	10	12,8	4	461	578	498,5	124	113	A	120	80 ^{H7}	8	100	3	50	6,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	386	305,5	10	16,3	5	493	604	523,5	139	121	B	140	95 ^{H7}	9	115	3	50	8,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	403	344	12	21,8	6	520	639	580	157	130	C	160	110 ^{H7}	10	130	3,5	50	8,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	403	344	12	27,3	8	542	657	598	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	403	344	12	27,3	8	567	682	623	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	415	—	15	31,3	8	619	731	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	415	—	15	31,3	8	—	748	—	235	180								

* Dimensões em mm

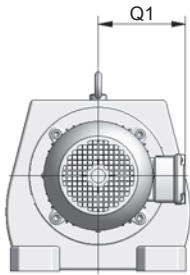


Fixação por pés - N

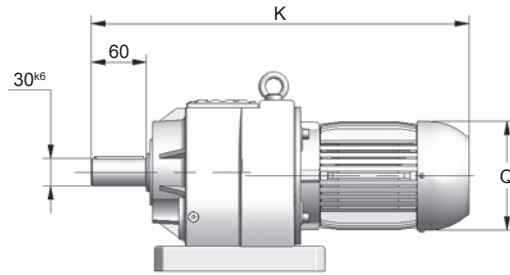
Simplex

Dimensões

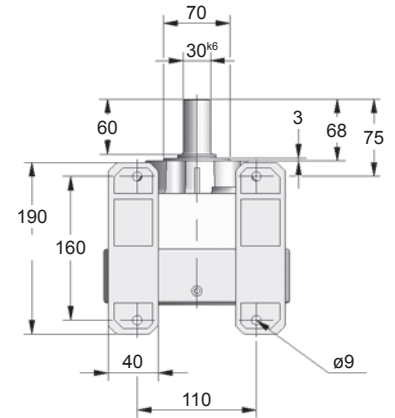
Tamanho **52**



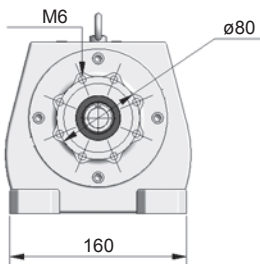
Vista frontal do motor



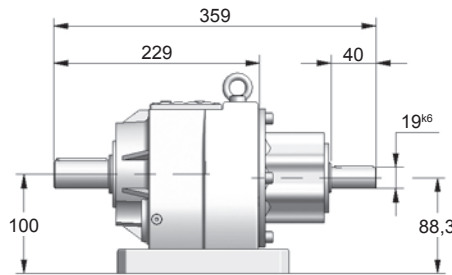
Entrada motor Weg tipo 1



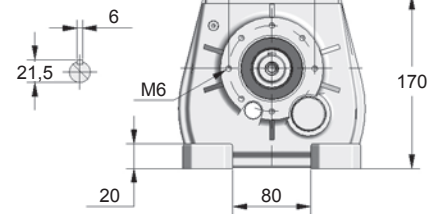
Detalhe dos pés



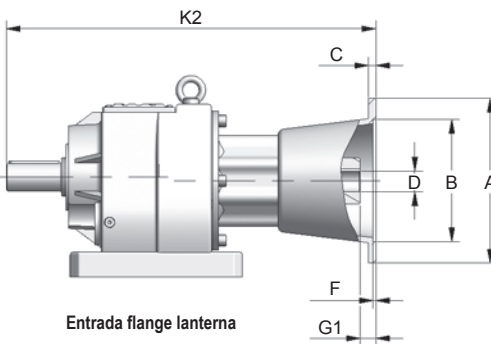
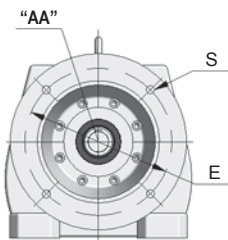
Vista lado da entrada



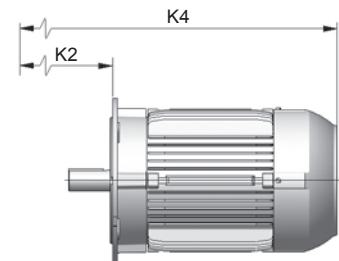
Entrada eixo integral



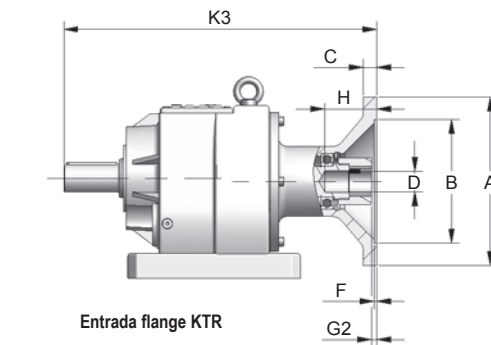
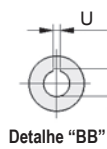
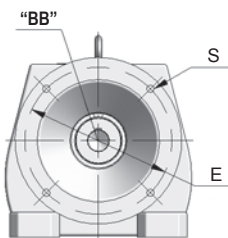
Vista lado da saída



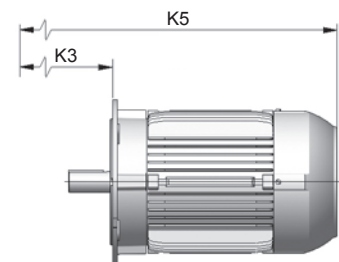
Entrada flange lanterna



Entrada flange lanterna + motor standard*



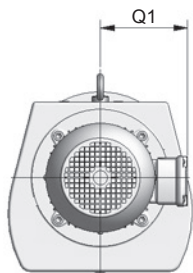
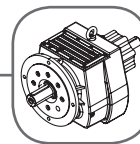
Entrada flange KTR



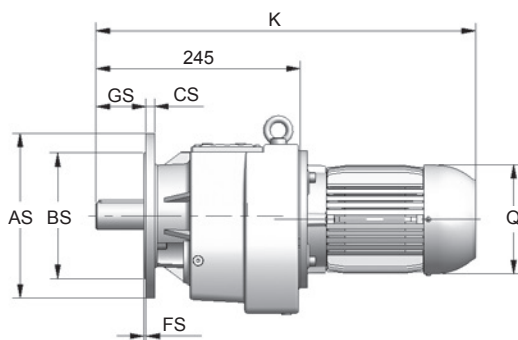
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR													Motor Elétrico					
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	393	313,5	10	12,8	4	469	586	506,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	394	313,5	10	16,3	5	501	612	531,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	411	352	12	21,8	6	528	647	588	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	411	352	12	27,3	8	550	665	606	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	411	352	12	27,3	8	575	690	631	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	423	—	15	31,3	8	627	739	—	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	423	—	15	31,3	8	—	756	—	235	180

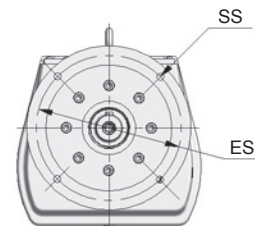
* Dimensões em mm



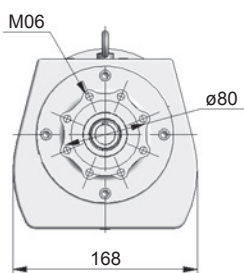
Vista frontal do motor



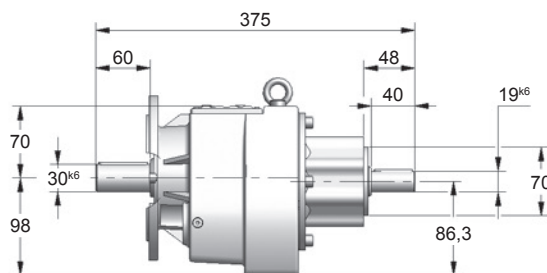
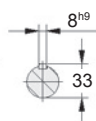
Entrada motor Weg tipo 1



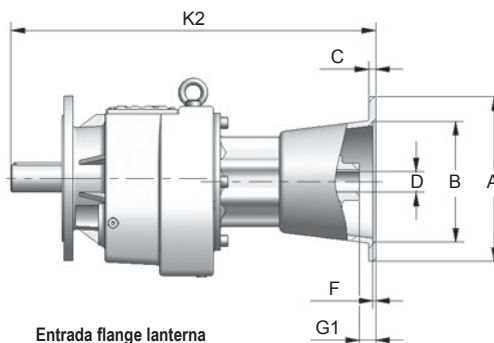
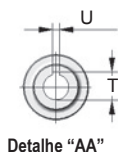
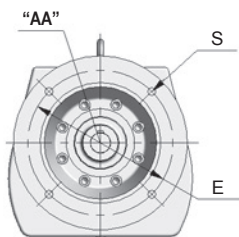
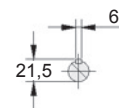
Vista lado da saída



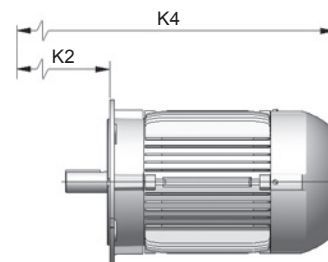
Vista lado da entrada



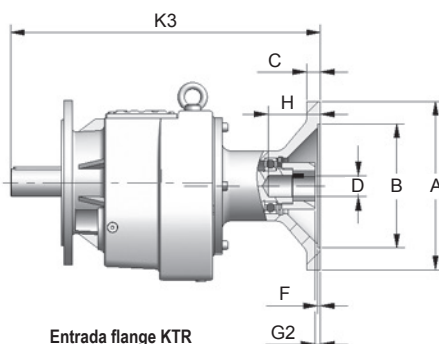
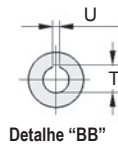
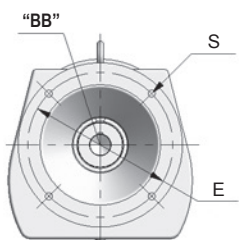
Entrada eixo integral



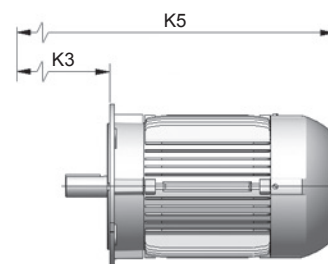
Entrada flange lanterna



Entrada flange lanterna + motor standard*



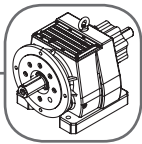
Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	409	329,5	10	12,8	4	485	602	522,5	124	113	A	120	80 ^{H7}	8	100	3	60	6,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	410	329,5	10	16,3	5	517	628	547,5	139	121	C	160	110 ^{H7}	10	130	3,5	60	8,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	427	368	12	21,8	6	544	663	604	157	130	D	200	130 ^{H7}	12	165	3,5	60	11
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	427	368	12	27,3	8	566	681	622	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	427	368	12	27,3	8	591	706	647	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	439	—	15	31,3	8	643	755	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	439	—	15	31,3	8	—	772	—	235	180								

* Dimensões em mm

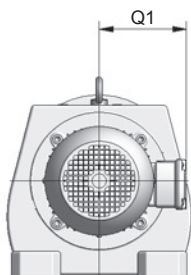


Fixação por pés e flange - G _ _

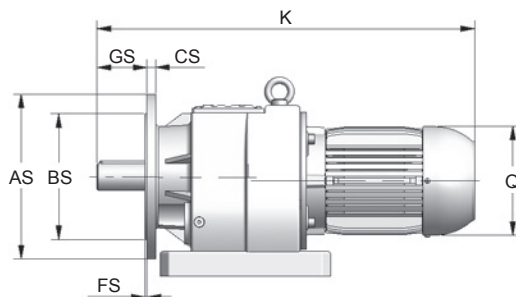
Simplex

Dimensões

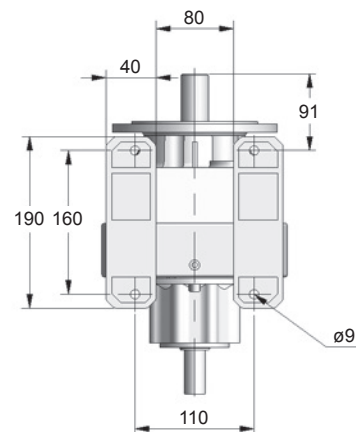
Tamanho **52**



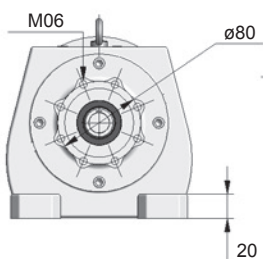
Vista frontal do motor



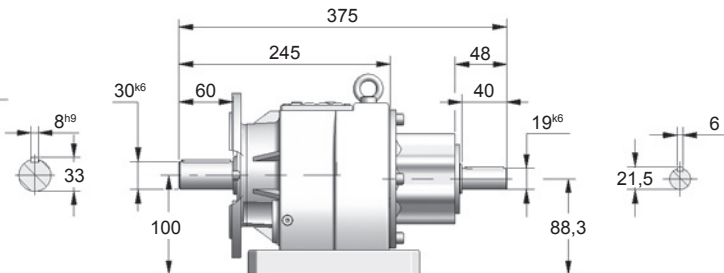
Entrada motor Weg tipo 1



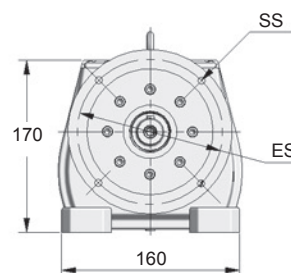
Detalhe dos pés



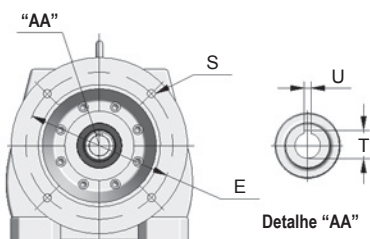
Vista lado da entrada



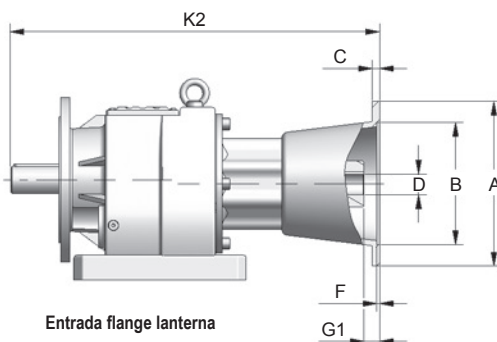
Entrada eixo integral



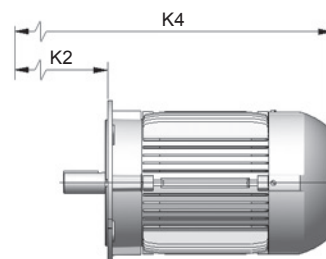
Vista lado da saída



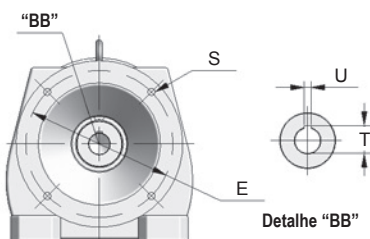
Detalhe "AA"



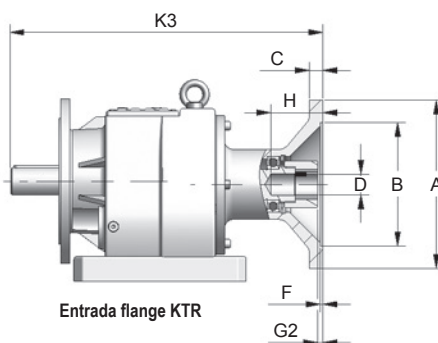
Entrada flange lanterna



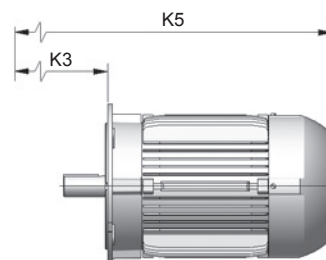
Entrada flange lanterna + motor standard*



Detalhe "BB"



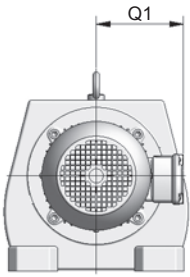
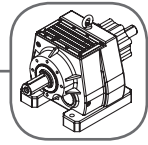
Entrada flange KTR



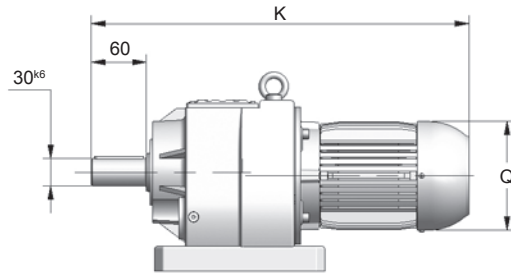
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	409	329,5	10	12,8	4	485	602	522,5	124	113	A	120	80 ^{H7}	8	100	3	60	6,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	410	329,5	10	16,3	5	517	628	547,5	139	121	C	160	110 ^{H7}	10	130	3,5	60	8,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	427	368	12	21,8	6	544	663	604	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	427	368	12	27,3	8	566	681	622	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	427	368	12	27,3	8	591	706	647	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	439	—	15	31,3	8	643	755	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	439	—	15	31,3	8	—	772	—	235	180								

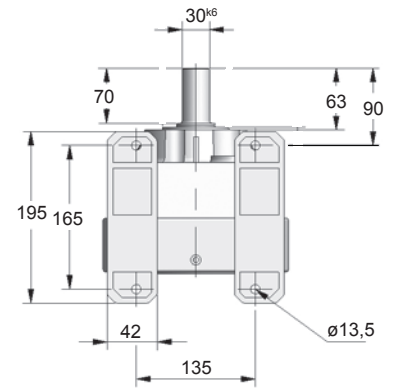
* Dimensões em mm



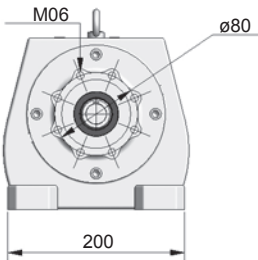
Vista frontal do motor



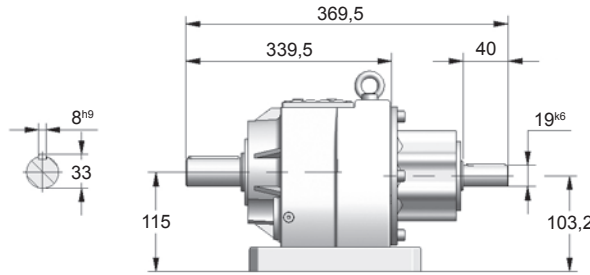
Entrada motor Weg tipo 1



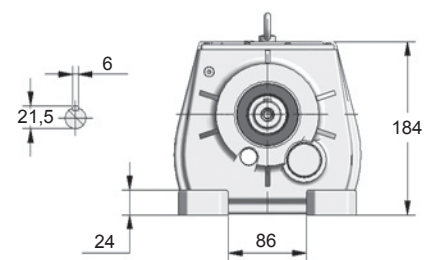
Detalhe dos pés



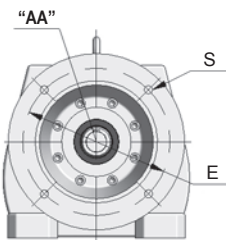
Vista lado da entrada



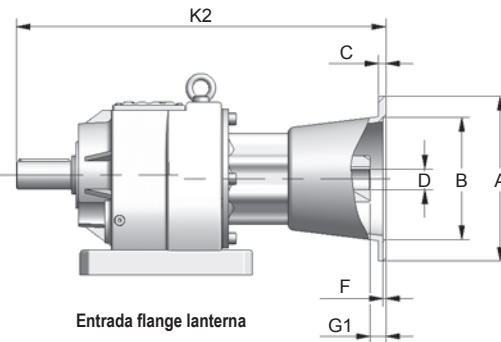
Entrada eixo integral



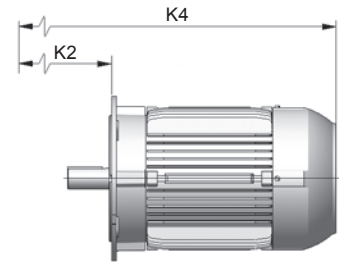
Vista lado da saída



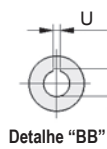
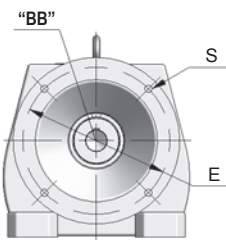
Detalhe "AA"



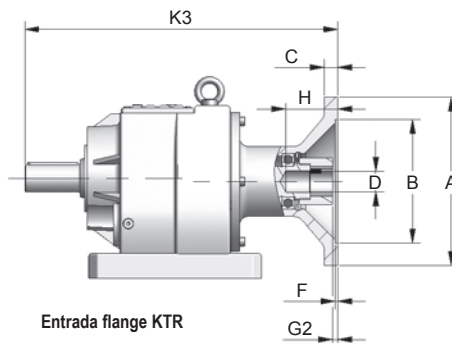
Entrada flange lanterna



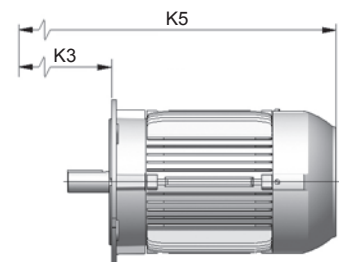
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



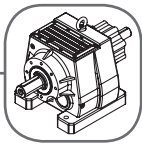
Entrada flange KTR + motor standard*

Flange Lanterna / KTR

Motor Elétrico

Carcaca	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	403,5	317,5	10	12,8	4	473	597	511	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	404,5	317,5	10	16,3	5	505	623	536	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	421,5	356	12	21,3	6	532	658	592	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	421,5	356	12	27,3	8	554	676	610	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	421,5	356	12	27,3	8	579	701	635	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	433,5	378,5	15	31,3	8	631	750	695	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	433,5	378,5	15	31,3	8	646	767	712	235	180
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	732	—	—	274	207
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	770	—	—	274	207

* Dimensões em mm

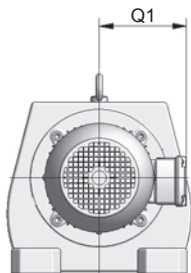


Fixação por pés - N

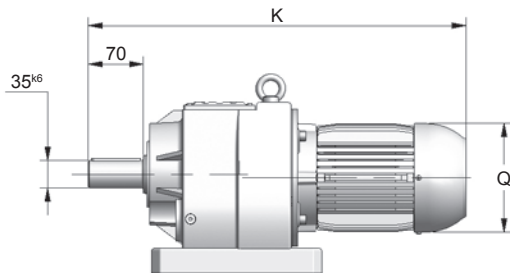
Simplex

Dimensões

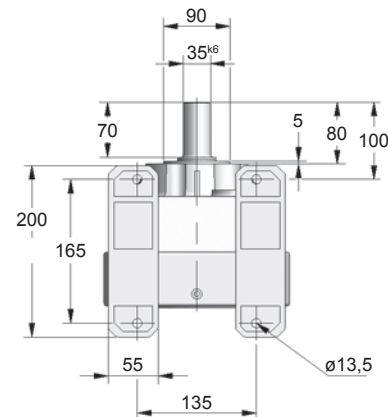
Tamanho **54**



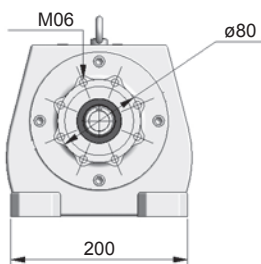
Vista frontal do motor



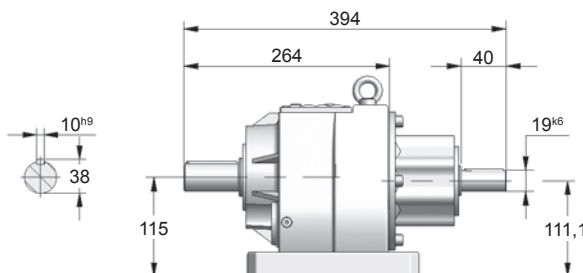
Entrada motor Weg tipo 1



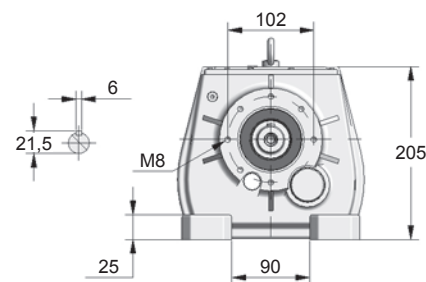
Detalhe dos pés



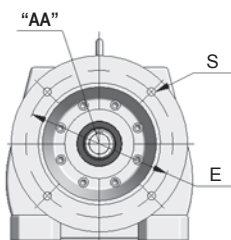
Vista lado da entrada



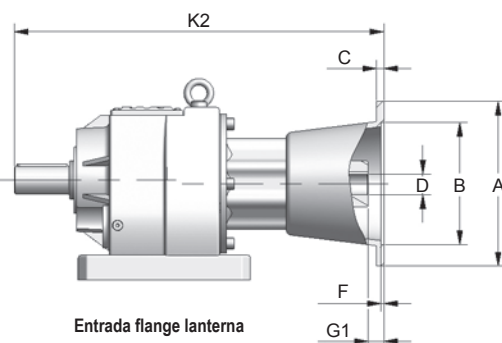
Entrada eixo integral



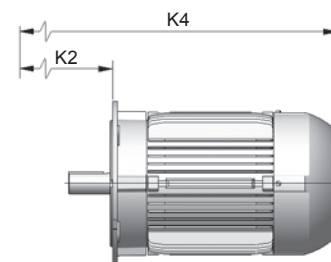
Vista lado da saída



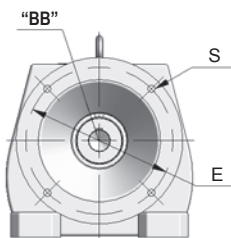
Detalhe "AA"



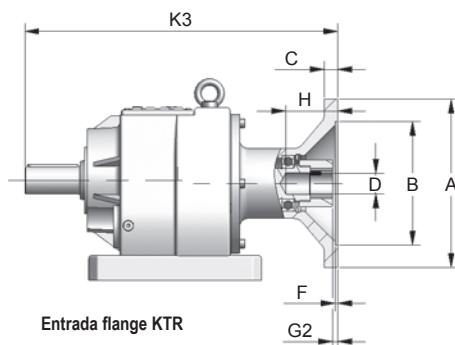
Entrada flange lanterna



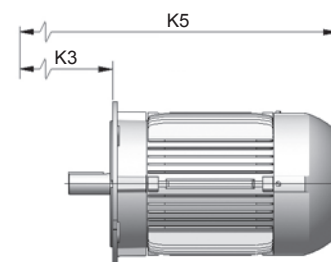
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR													Motor Elétrico					
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	428	342	10	12,8	4	497,5	621	535	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	429	342	10	16,3	5	529,5	647	560	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	446	380,5	12	21,3	6	556,5	682	616,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	446	380,5	12	27,3	8	578,5	700	634,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	446	380,5	12	27,3	8	603,5	725	659,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	458	403	15	31,3	8	653	774	719	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	458	403	15	31,3	8	670	791	736	235	180
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	756	—	—	274	207
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	794	—	—	274	207

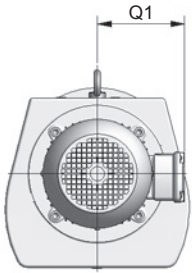
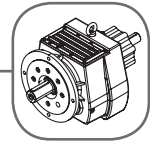
* Dimensões em mm

Dimensões

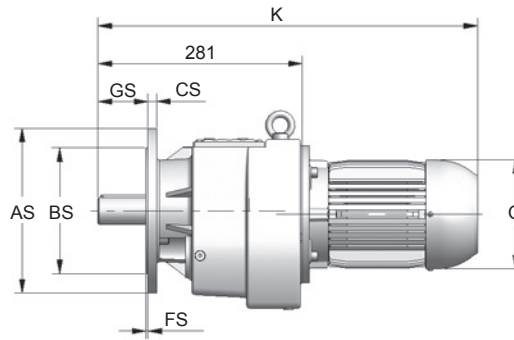
Tamanho **54**

Fixação por flange - F__

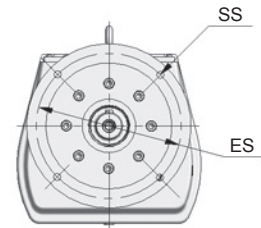
Simplex



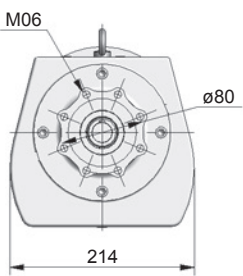
Vista frontal do motor



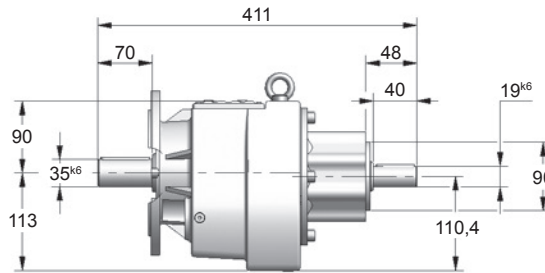
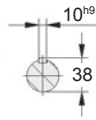
Entrada motor Weg tipo 1



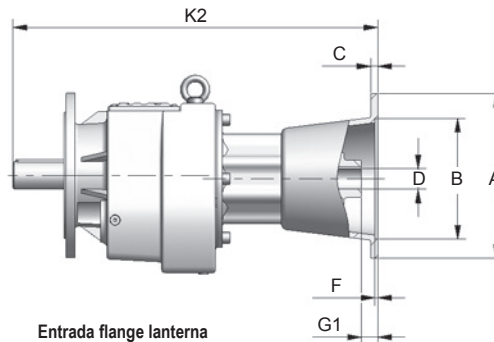
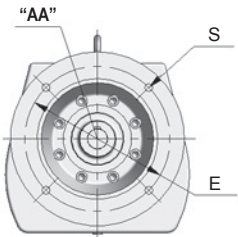
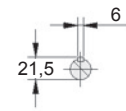
Vista lado da saída



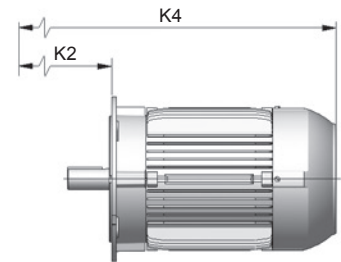
Vista lado da entrada



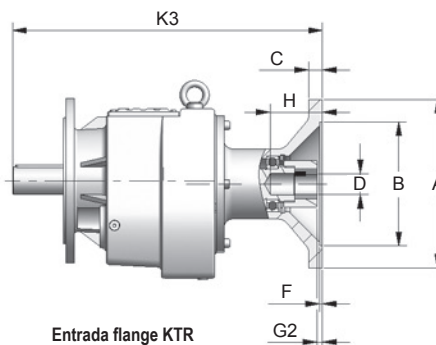
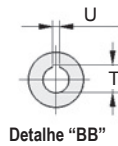
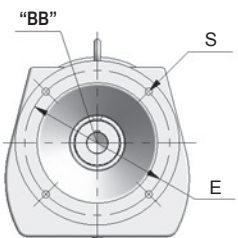
Entrada eixo integral



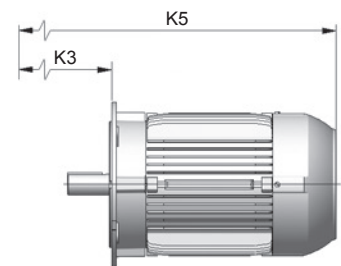
Entrada flange lanterna



Entrada flange lanterna + motor standard*



Entrada flange KTR

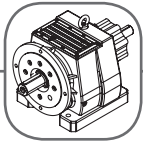


Entrada flange KTR + motor standard*

13

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	Ø11	115	4	0	1	25	445	359	10	12,8	4	514,5	638	552	124	113	C	160	110 ^{I7}	10	130	3,5	70	8,5
71	160	110 ^{H7}	14	Ø14	130	4	0,5	1	34	446	359	10	16,3	5	546,5	664	577	139	121	D	200	130 ^{I7}	12	165	3,5	70	11
80	200	130 ^{H7}	15	Ø19	165	4	10	1	44	463	397,5	12	21,3	6	573,5	699	633,5	157	130	E	250	180 ^{I7}	15	215	4	70	13,5
90S	200	130 ^{H7}	15	Ø24	165	4	10	1	52	463	397,5	12	27,3	8	595,5	717	651,5	177	150								
90L	200	130 ^{H7}	15	Ø24	165	4	10	1	52	463	397,5	12	27,3	8	620,5	742	676,5	177	150								
100	250	180 ^{H7}	16	Ø28	215	5	20	1	63	475	420	15	31,3	8	670	791	736	198	160								
112	250	180 ^{H7}	16	Ø28	215	5	20	1	63	475	420	15	31,3	8	687	808	753	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	773	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	811	—	—	274	207								

* Dimensões em mm

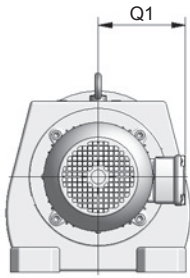


Fixação por pés e flange - G _ _

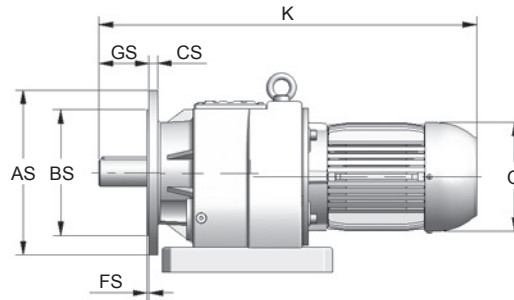
Simplex

Dimensões

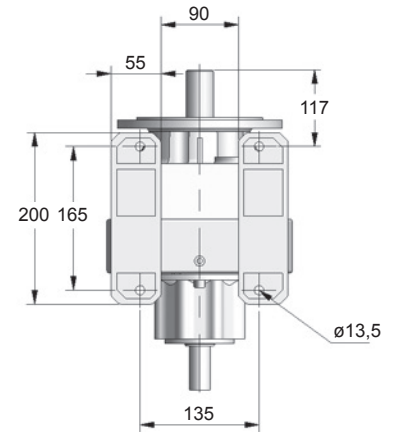
Tamanho 54



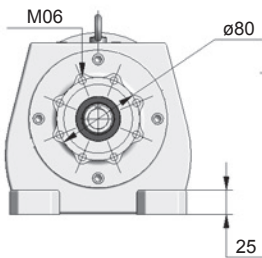
Vista frontal do motor



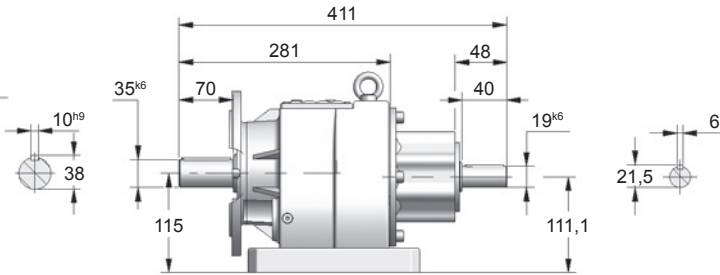
Entrada motor Weg tipo 1



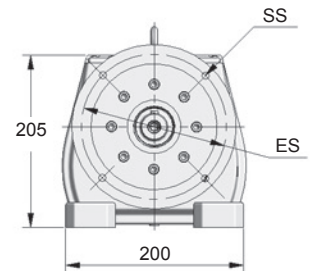
Detalhe dos pés



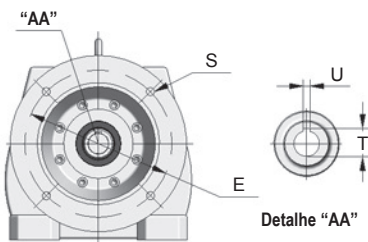
Vista lado da entrada



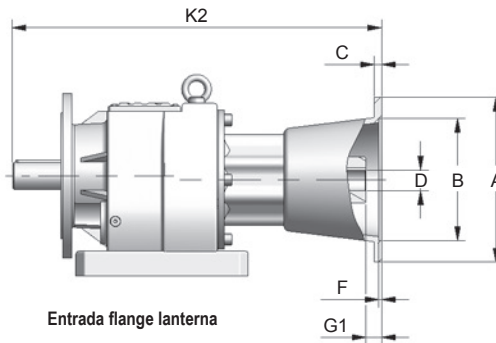
Entrada eixo integral



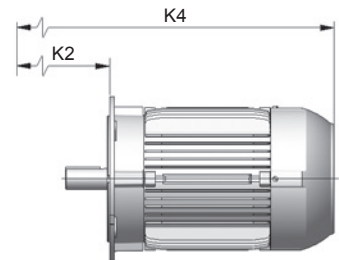
Vista lado da saída



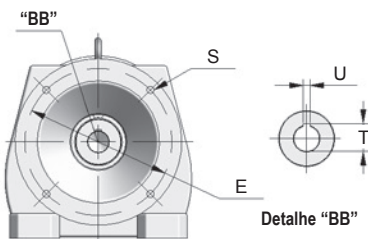
Detalhe "AA"



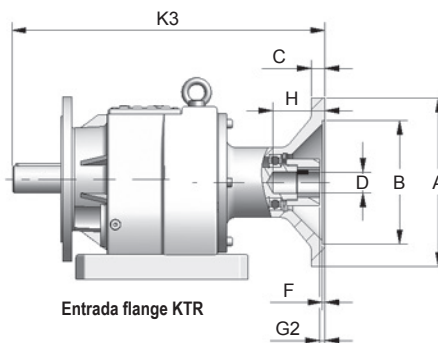
Entrada flange lanterna



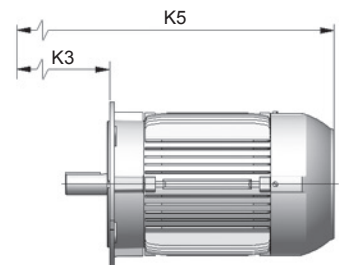
Entrada flange lanterna + motor standard*



Detalhe "BB"



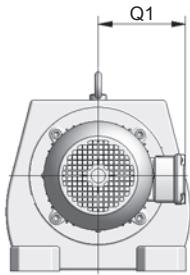
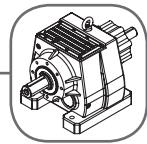
Entrada flange KTR



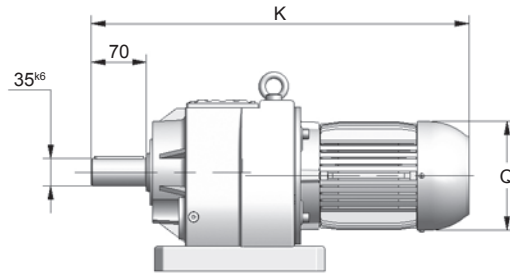
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	445	359	10	12,8	4	514,5	638	552	124	113	C	160	110 ^{H7}	10	130	3,5	70	8,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	446	359	10	16,3	5	546,5	664	577	139	121	D	200	130 ^{H7}	12	165	3,5	70	11
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	463	397,5	12	21,3	6	573,5	699	633,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	463	397,5	12	27,3	8	595,5	717	651,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	463	397,5	12	27,3	8	620,5	742	676,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	475	420	15	31,3	8	670	791	736	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	475	420	15	31,3	8	687	808	753	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	773	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	811	—	—	274	207								

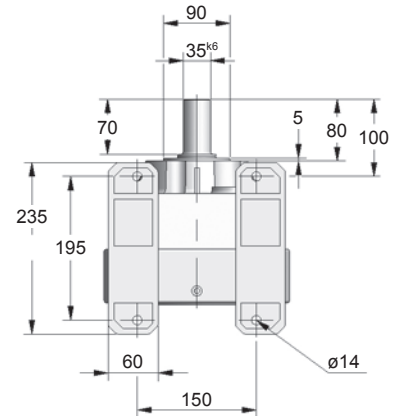
* Dimensões em mm



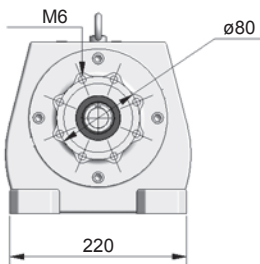
Vista frontal do motor



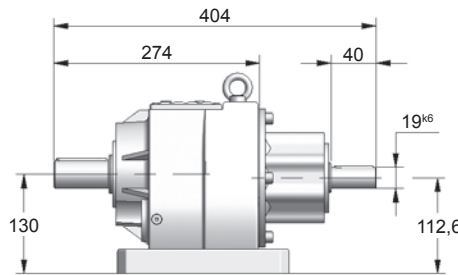
Entrada motor Weg tipo 1



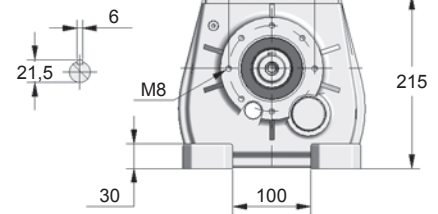
Detalhe dos pés



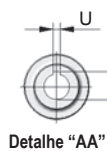
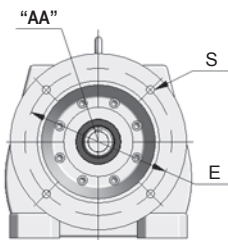
Vista lado da entrada



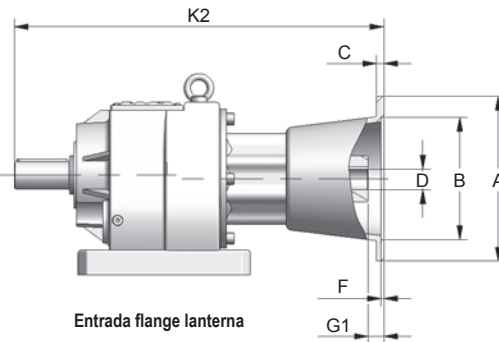
Entrada eixo integral



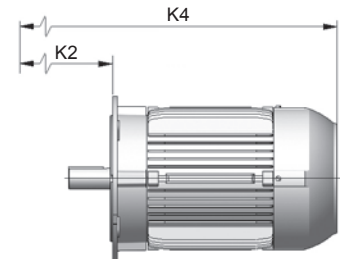
Vista lado da saída



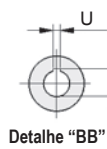
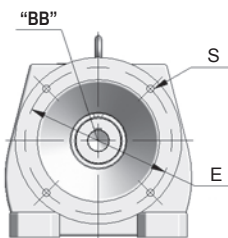
Detalhe "AA"



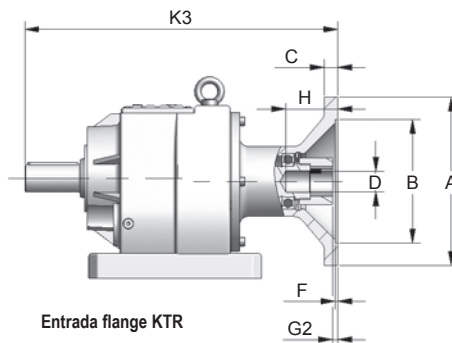
Entrada flange lanterna



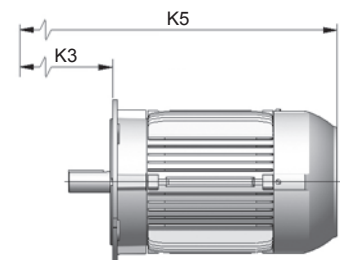
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

13

Flange Lanterna / KTR

Carcaça	Flange Lanterna / KTR													Motor Elétrico					
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	438	352	10	12,8	4	507,5	631	545	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	439	352	10	16,3	5	539,5	657	570	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	456	390,5	12	21,8	6	566,5	692	629,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	456	390,5	12	27,3	8	588,5	710	644,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	456	390,5	12	27,3	8	613,5	735	669,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	468	413	15	31,3	8	663	784	729	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	468	413	15	31,3	8	680	801	746	235	180
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	766	—	—	274	207
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	804	—	—	274	207

* Dimensões em mm

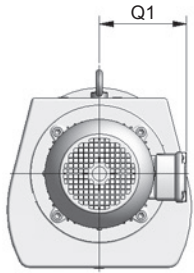


Fixação por flange - F__

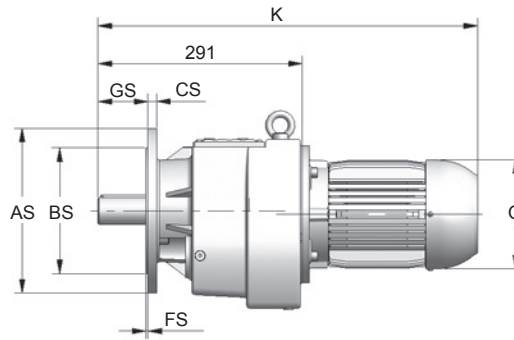
Simplex

Dimensões

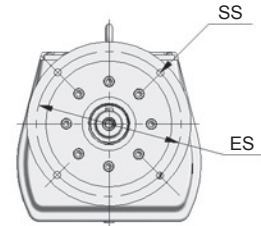
Tamanho **55**



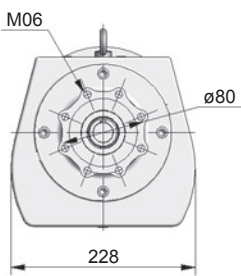
Vista frontal do motor



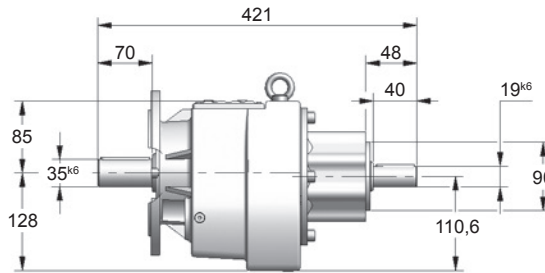
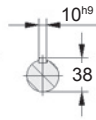
Entrada motor Weg tipo 1



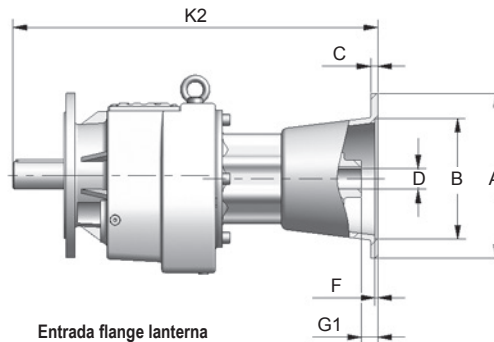
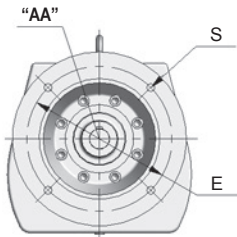
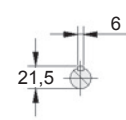
Vista lado da saída



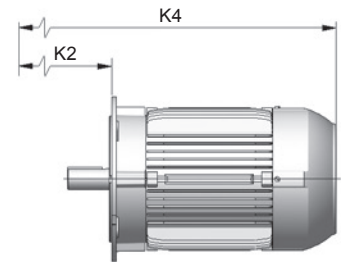
Vista lado da entrada



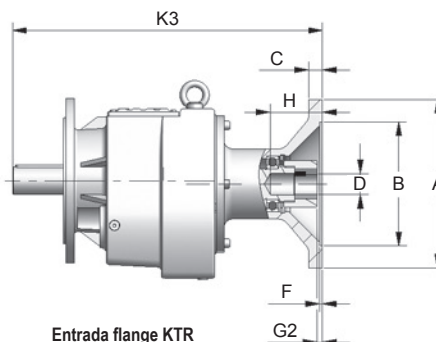
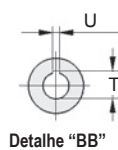
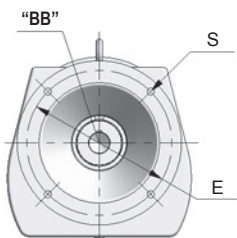
Entrada eixo integral



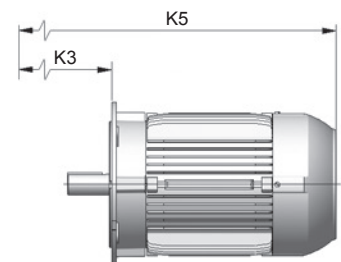
Entrada flange lanterna



Entrada flange lanterna + motor standard*



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR														Motor Elétrico					Flange de saída							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	455	369	10	12,8	4	524,5	648	562	124	113	D	200	130 ^{H7}	12	165	3,5	70	11
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	456	369	10	16,3	5	556,5	674	587	139	121	E	250	180 ^{H7}	15	215	4	70	13,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	473	407,5	12	21,8	6	583,5	709	643,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	473	407,5	12	27,3	8	605,5	727	661,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	473	407,5	12	27,3	8	630,5	752	686,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	485	430	15	31,3	8	680	801	746	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	485	430	15	31,3	8	697	818	763	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	783	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	821	—	—	274	207								

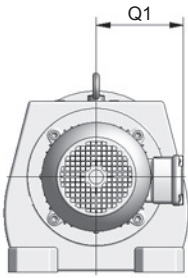
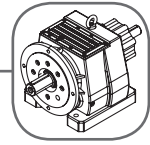
* Dimensões em mm

Dimensões

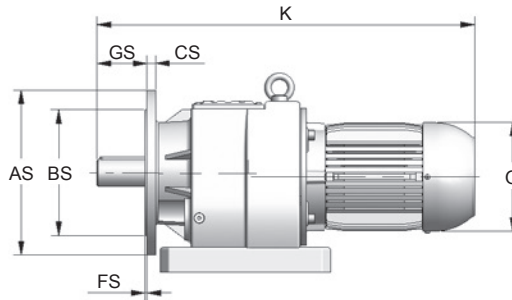
Tamanho **55**

Fixação por pés e flange - G_D

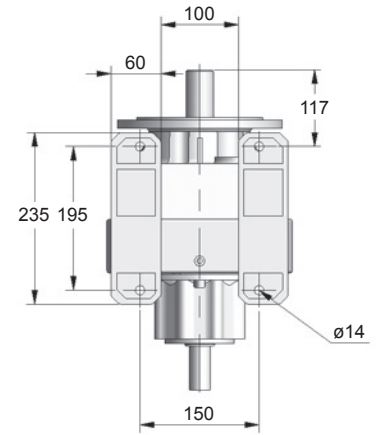
Simplex



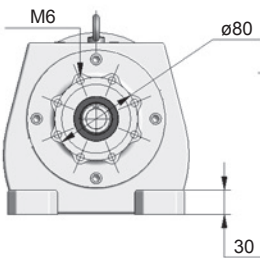
Vista frontal do motor



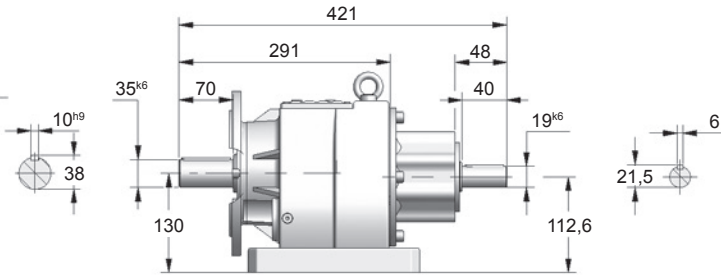
Entrada motor Weg tipo 1



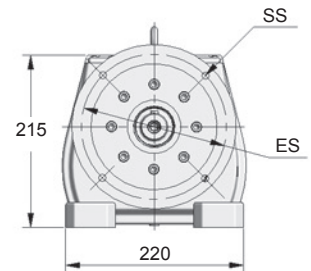
Detalhe dos pés



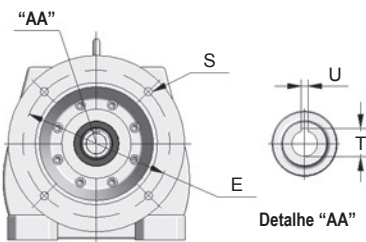
Vista lado da entrada



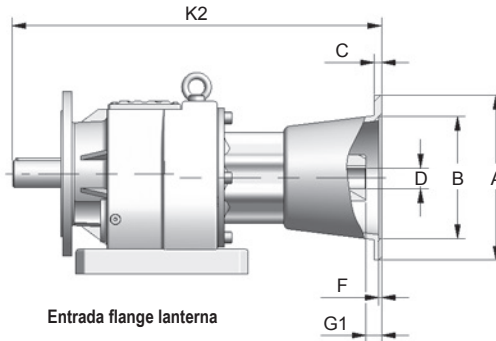
Entrada eixo integral



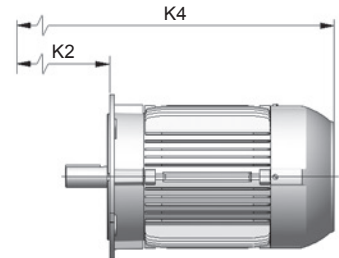
Vista lado da saída



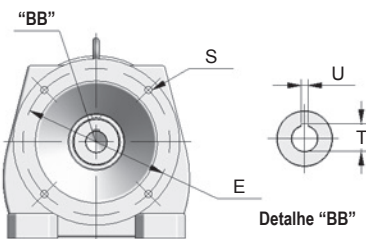
Detalhe "AA"



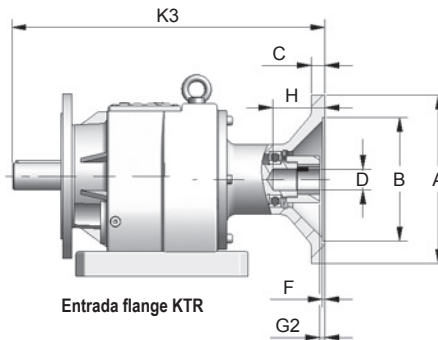
Entrada flange lanterna



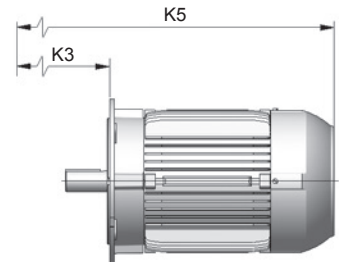
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

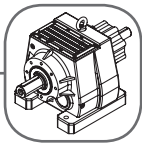
Flange Lanterna / KTR

Motor Elétrico

Flange de saída

Carcaca	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	455	369	10	12,8	4	524,5	648	562	124	113	D	200	130 ^{H7}	12	165	3,5	70	11
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	456	369	10	16,3	5	556,5	674	587	139	121								
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	473	407,5	12	21,8	6	583,5	709	643,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	473	407,5	12	27,3	8	605,5	727	661,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	473	407,5	12	27,3	8	630,5	752	686,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	485	430	15	31,3	8	680	801	746	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	485	430	15	31,3	8	697	818	763	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	783	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	821	—	—	274	207								

* Dimensões em mm

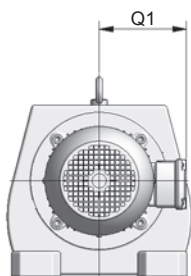


Fixação por pés - N

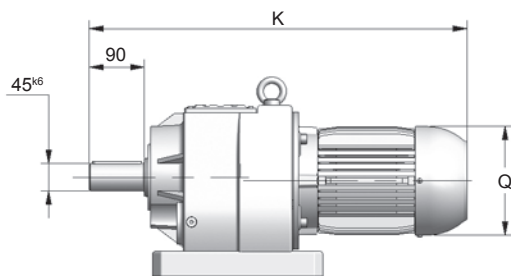
Simplex

Dimensões

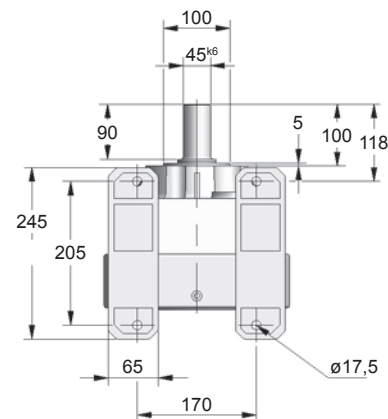
Tamanho 56



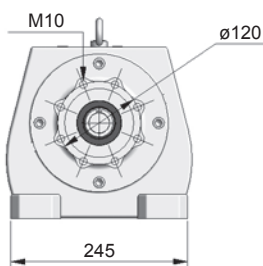
Vista frontal do motor



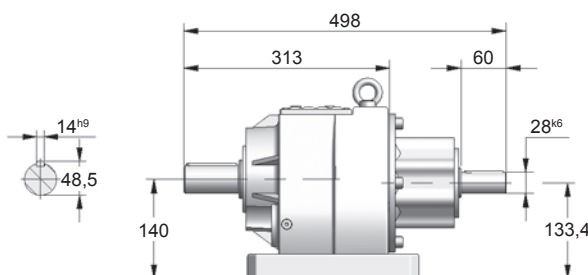
Entrada motor Weg tipo 1



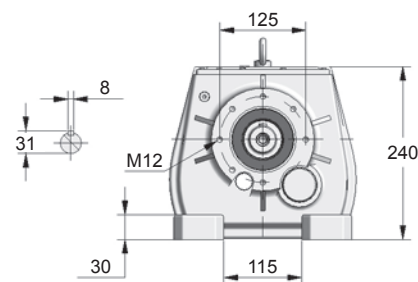
Detalhe dos pés



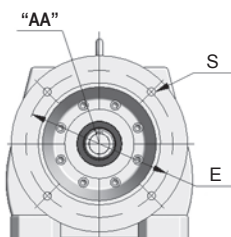
Vista lado da entrada



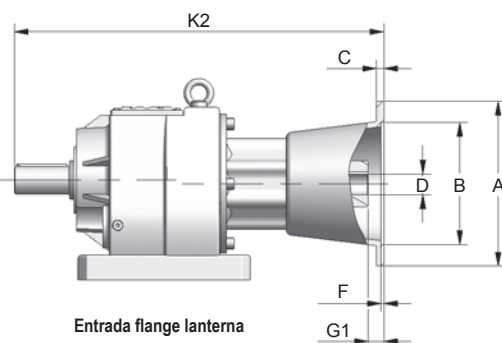
Entrada eixo integral



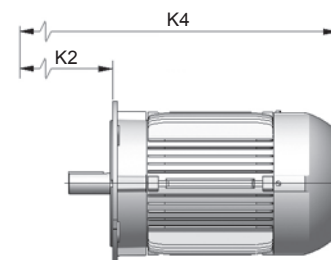
Vista lado da saída



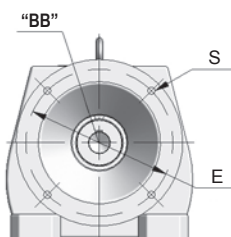
Detalhe "AA"



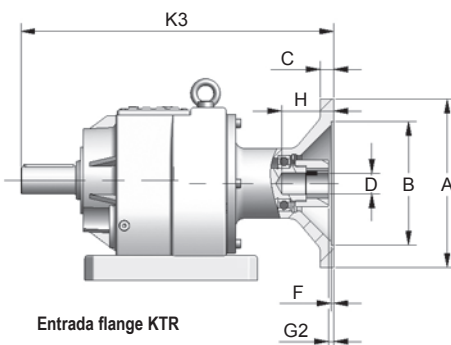
Entrada flange lanterna



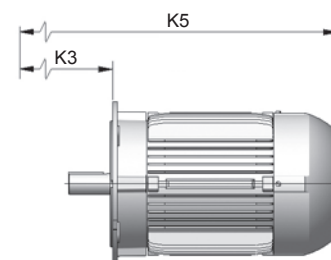
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR													Motor Elétrico					
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	538	—	10	12,8	4	540,5	731	—	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	538	385	10	16,3	5	572,5	756	578	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	551	423,5	12	21,8	6	599,5	787	641,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	551	423,5	12	27,3	8	619,5	805	659,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	551	423,5	12	27,3	8	644,5	830	677,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	561	444	15	31,3	8	694	877	723	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	561	444	15	31,3	8	710	894	760	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	581	499	15	41,3	10	793	953	832	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	581	499	15	41,3	10	831	991	871	274	207
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	844	—	—	317	250
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	888	—	—	317	250

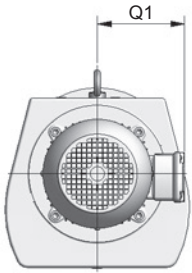
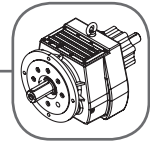
* Dimensões em mm

Dimensões

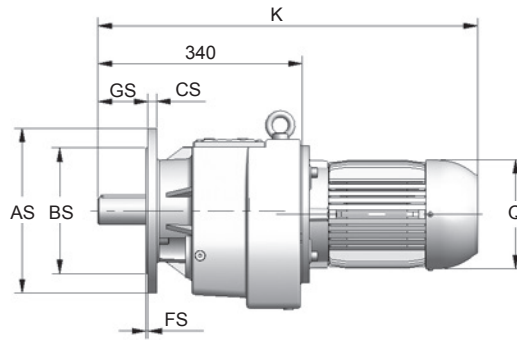
Tamanho **56**

Fixação por flange - F__

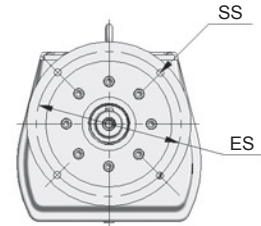
Simplex



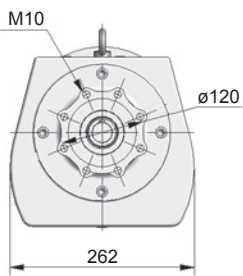
Vista frontal do motor



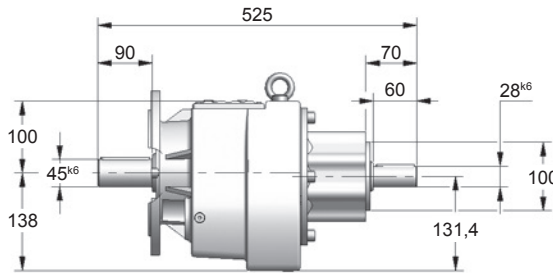
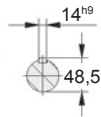
Entrada motor Weg tipo 1



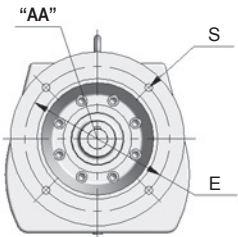
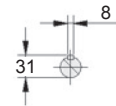
Vista lado da saída



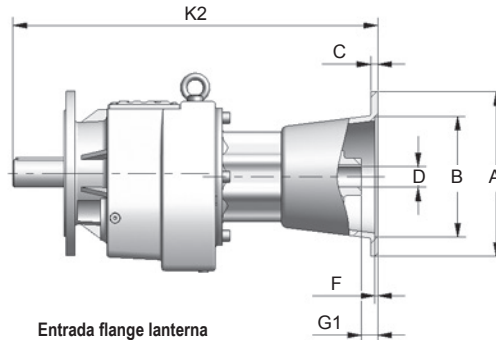
Vista lado da entrada



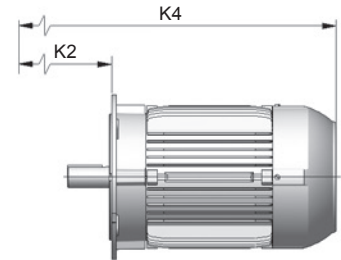
Entrada eixo integral



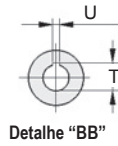
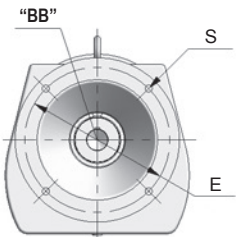
Detalhe "AA"



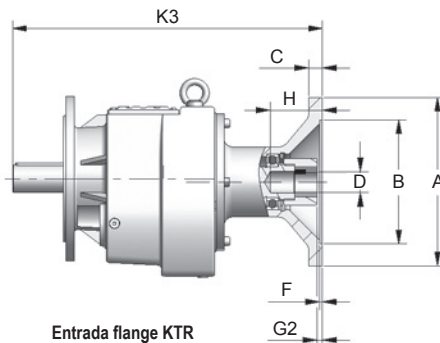
Entrada flange lanterna



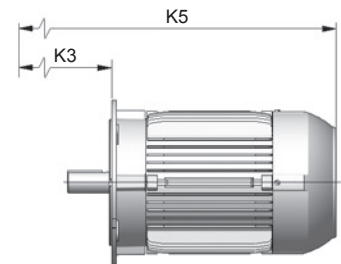
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR

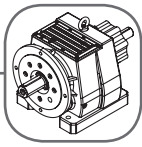


Entrada flange KTR + motor standard*

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída												
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	565	—	10	12,8	4	567,5	758	—	124	113	E	250	180 ^{J7}	15	215	4	90	13,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	565	412	10	16,3	5	599,5	783	605	139	121	F	300	230 ^{J7}	16	265	4	90	13,5	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	578	450,5	12	21,8	6	626,5	814	668,5	157	130									
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	578	450,5	12	27,3	8	646,5	832	686,5	177	150									
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	578	450,5	12	27,3	8	671,5	857	704,5	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	588	471	15	31,3	8	721	904	750	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	588	471	15	31,3	8	737	921	787	235	180									
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	608	526	15	41,3	10	820	980	859	274	207									
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	608	526	15	41,3	10	858	1018	898	274	207									
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	871	—	—	317	250									
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	915	—	—	317	250									

* Dimensões em mm

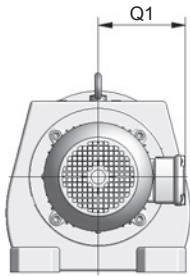


Fixação por pés e flange - G_E

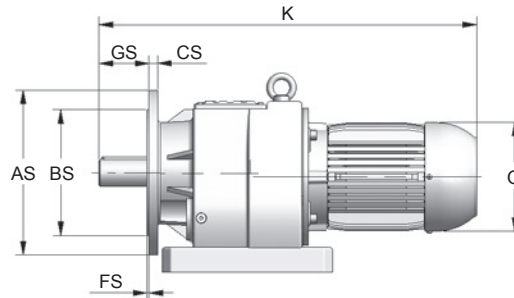
Simplex

Dimensões

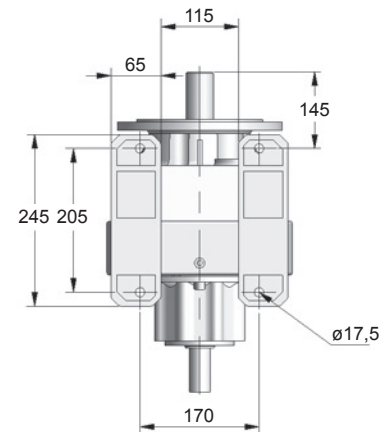
Tamanho **56**



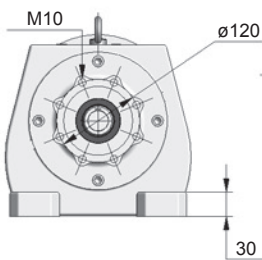
Vista frontal do motor



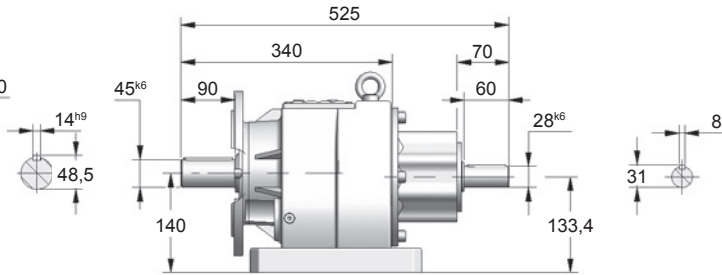
Entrada motor Weg tipo 1



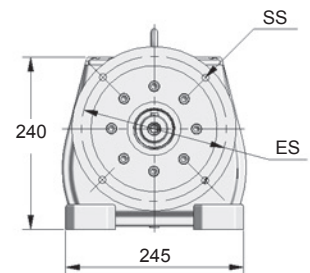
Detalhe dos pés



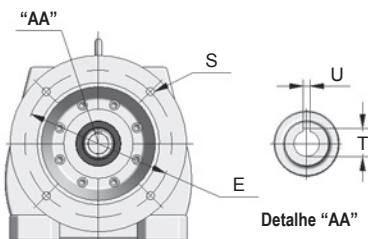
Vista lado da entrada



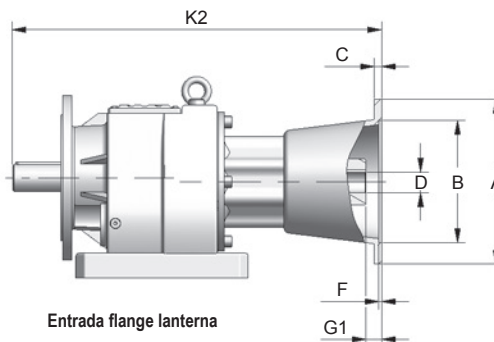
Entrada eixo integral



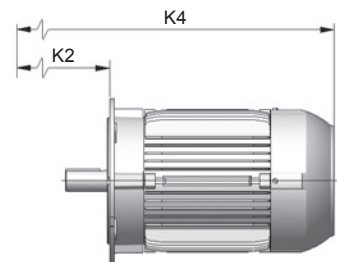
Vista lado da saída



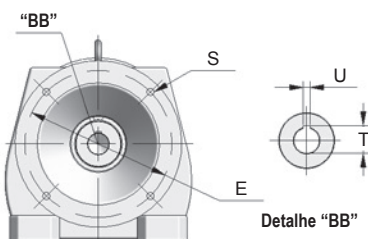
Detalhe "AA"



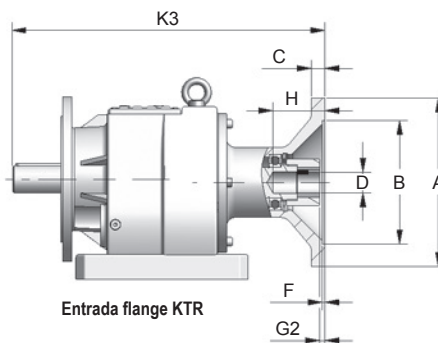
Entrada flange lanterna



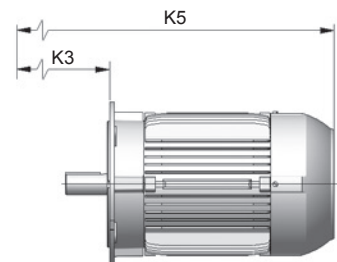
Entrada flange lanterna + motor standard*



Detalhe "BB"



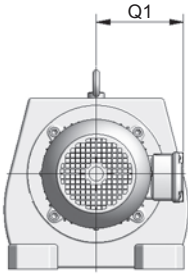
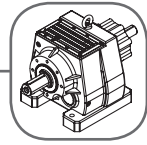
Entrada flange KTR



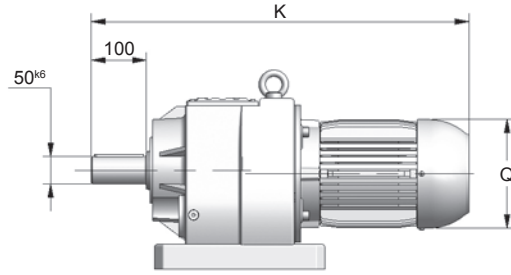
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída									
	A	B	C	D	E	F	G1	G2	H	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	—	565	—	10	12,8	4	567,5	758	—	124	113	E	250	180 ^{J7}	15	215	4	90	13,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	565	412	10	16,3	5	599,5	783	605	139	121							
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	578	450,5	12	21,8	6	626,5	814	668,5	157	130							
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	578	450,5	12	27,3	8	646,5	832	686,5	177	150							
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	578	450,5	12	27,3	8	671,5	857	704,5	177	150							
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	588	471	15	31,3	8	721	904	750	198	160							
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	588	471	15	31,3	8	737	921	787	235	180							
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	608	526	15	41,3	10	820	980	859	274	207							
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	608	526	15	41,3	10	858	1018	898	274	207							
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	871	—	—	317	250							
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	915	—	—	317	250							

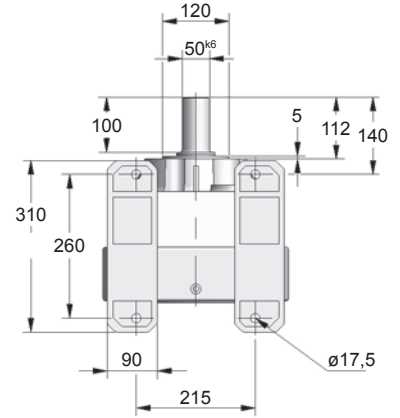
* Dimensões em mm



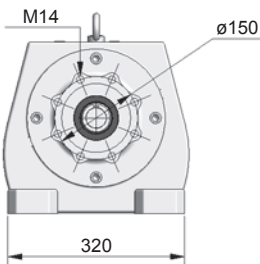
Vista frontal do motor



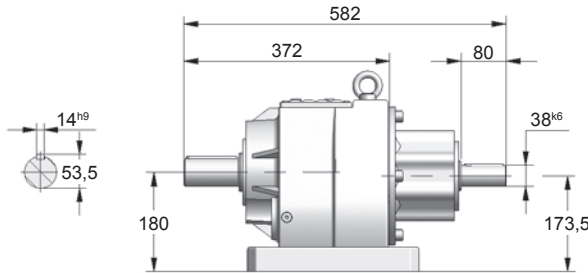
Entrada motor Weg tipo 1



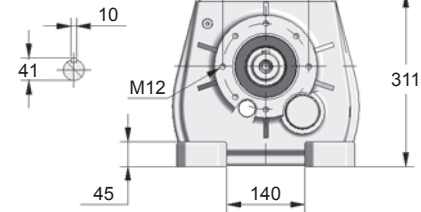
Detalhe dos pés



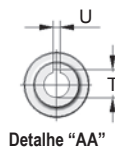
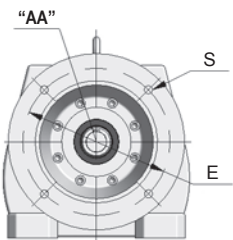
Vista lado da entrada



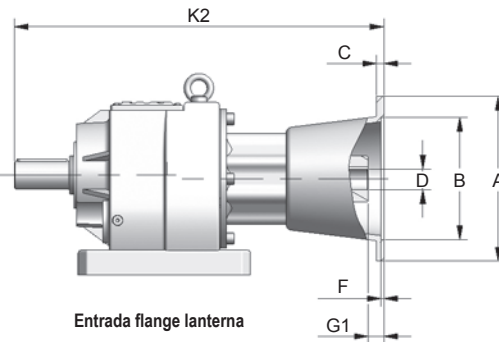
Entrada eixo integral



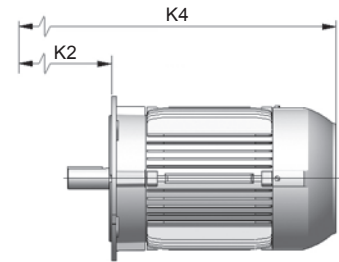
Vista lado da saída



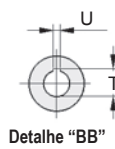
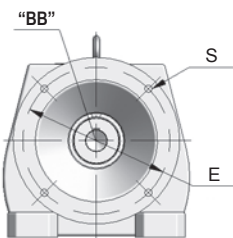
Detalhe "AA"



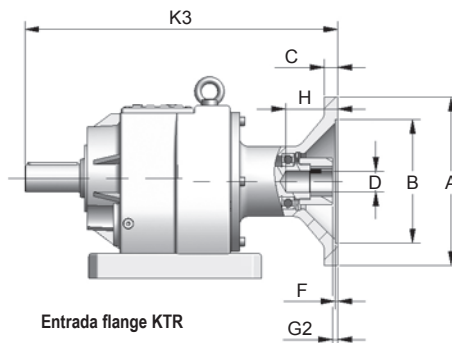
Entrada flange lanterna



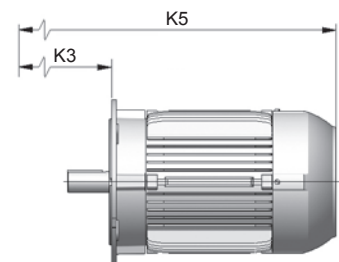
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

Flange Lanterna / KTR

Carcaca	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	636	477	12	21,8	6	653,5	872	713	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	636	477	12	27,3	8	674,5	890	731	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	636	477	12	27,3	8	699,5	915	756	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	645	500,5	15	31,3	8	749	961	816,5	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	645	500,5	15	31,3	8	764	978	833,5	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	665	553	15	41,3	10	847	1037	925	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	665	553	15	41,3	10	885	1075	963	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	697	601	19	45,3	12	898	1185	1089	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	697	601	19	45,3	12	942	1229	1133	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	697	601	19	51,8	14	972	1251	1155	360	270

* Dimensões em mm

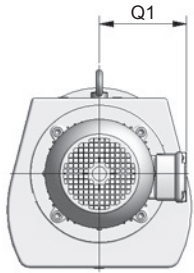


Fixação por flange - F__

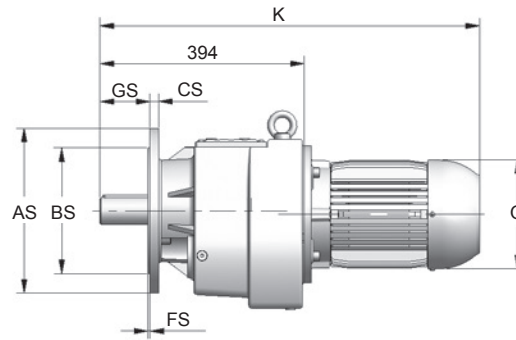
Simplex

Dimensões

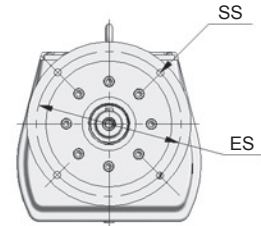
Tamanho **58**



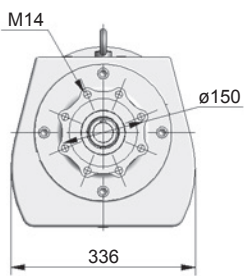
Vista frontal do motor



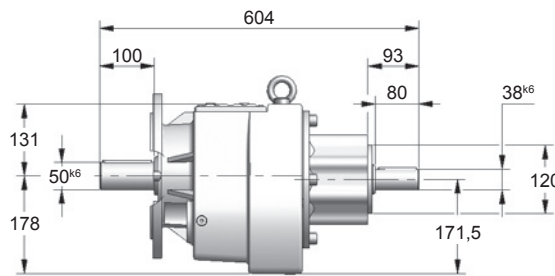
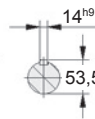
Entrada motor Weg tipo 1



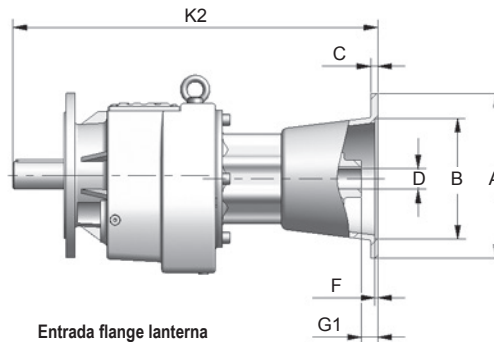
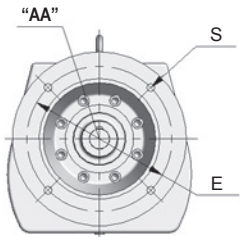
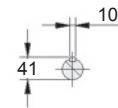
Vista lado da saída



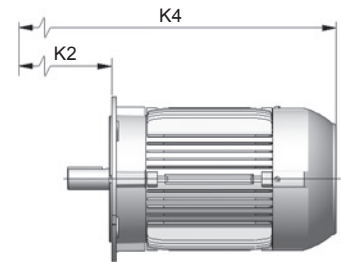
Vista lado da entrada



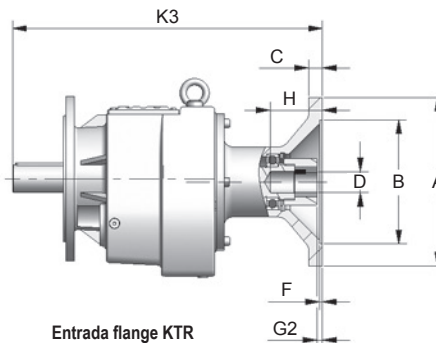
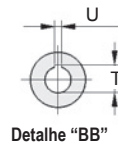
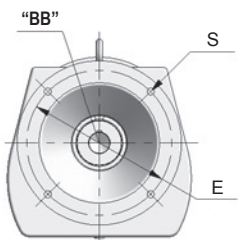
Entrada eixo integral



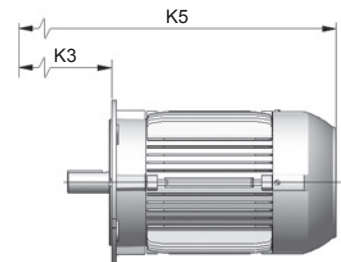
Entrada flange lanterna



Entrada flange lanterna + motor standard*



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	658	499	12	21,8	6	675,5	894	735	157	130	F	300	230 ^{I7}	16	265	4	100	13,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	499	12	27,3	8	696,5	912	753	177	150	G	350	250 ^{I7}	18	300	5	100	17,5
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	499	12	27,3	8	721,5	937	778	177	150	E	250	180 ^{I7}	15	215	4	70	13,5
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	667	522,5	15	31,3	8	771	983	838,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	667	522,5	15	31,3	8	786	1000	855,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	687	575	15	41,3	10	869	1059	947	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	687	575	15	41,3	10	907	1097	985	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	719	623	19	45,3	12	920	1207	1111	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	719	623	19	45,3	12	964	1251	1155	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	719	623	19	51,8	14	994	1273	1177	360	270								

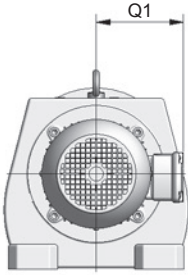
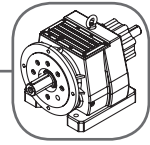
* Dimensões em mm

Dimensões

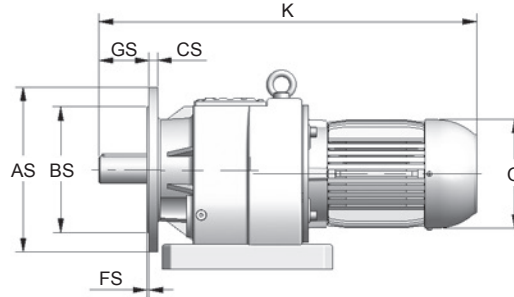
Tamanho **58**

Fixação por pés e flange - G__

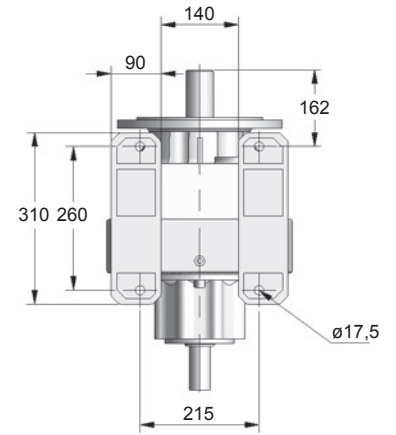
Simplex



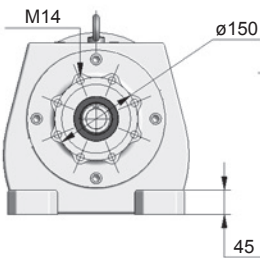
Vista frontal do motor



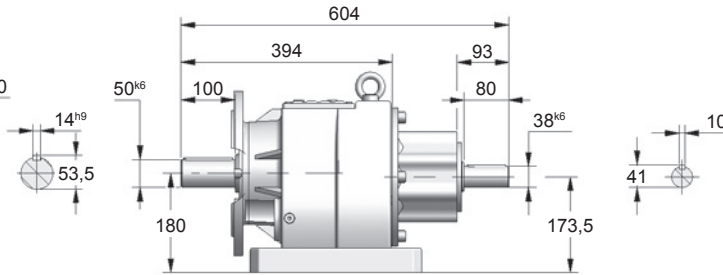
Entrada motor Weg tipo 1



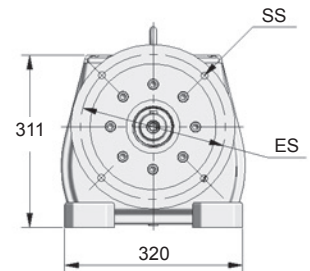
Detalhe dos pés



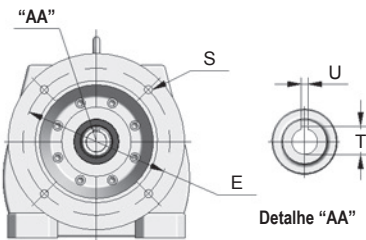
Vista lado da entrada



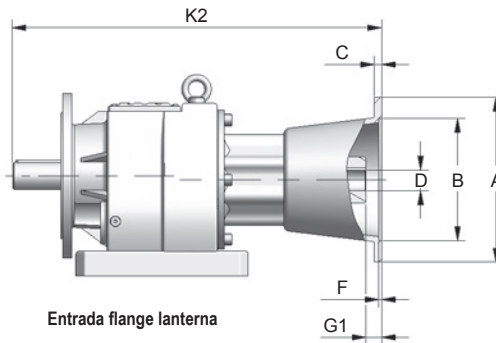
Entrada eixo integral



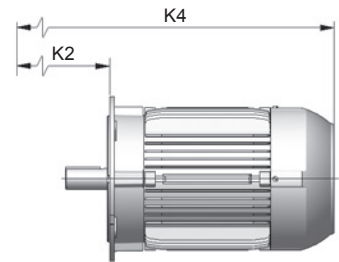
Vista lado da saída



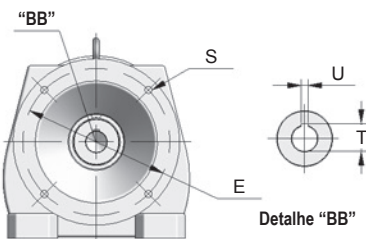
Detalhe "AA"



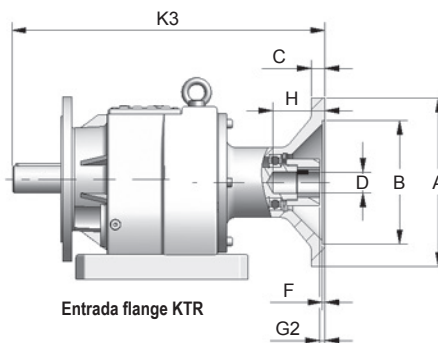
Entrada flange lanterna



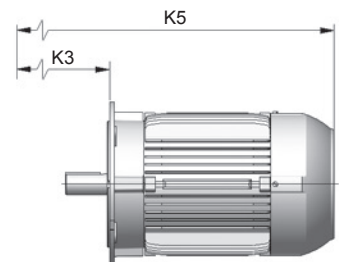
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

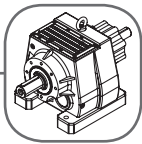
Flange Lanterna / KTR

Motor Elétrico

Flange de saída

Carcça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	658	499	12	21,8	6	675,5	894	735	157	130	F	300	230 ^{H7}	16	265	4	100	13,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	499	12	27,3	8	696,5	912	753	177	150	G	350	250 ^{H7}	18	300	5	100	17,5
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	499	12	27,3	8	721,5	937	778	177	150	E	250	180 ^{H7}	15	215	4	70	13,5
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	667	522,5	15	31,3	8	771	983	838,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	667	522,5	15	31,3	8	786	1000	855,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	687	575	15	41,3	10	869	1059	947	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	687	575	15	41,3	10	907	1097	985	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	719	623	19	45,3	12	920	1207	1111	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	719	623	19	45,3	12	964	1251	1155	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	719	623	19	51,8	14	994	1273	1177	360	270								

* Dimensões em mm

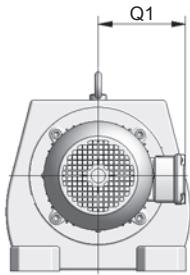


Fixação por pés - N

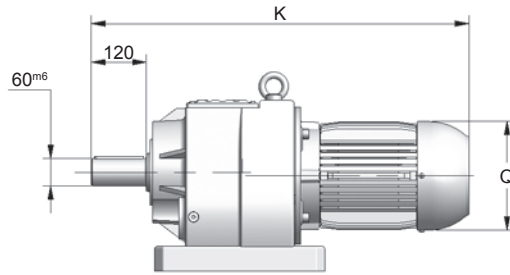
Simplex

Dimensões

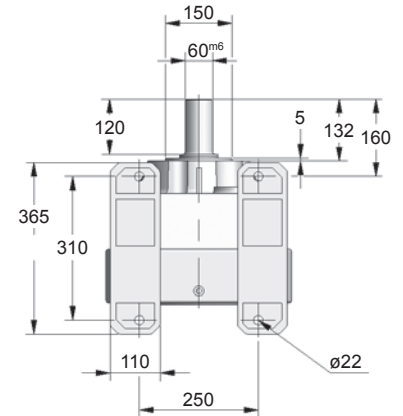
Tamanho 60



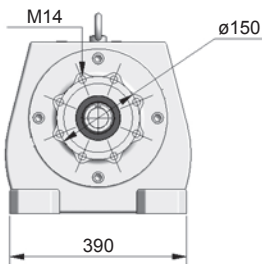
Vista frontal do motor



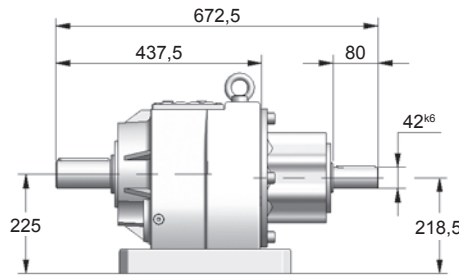
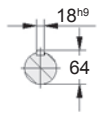
Entrada motor Weg tipo 1



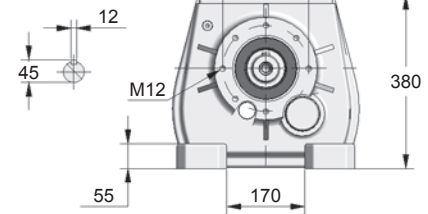
Detalhe dos pés



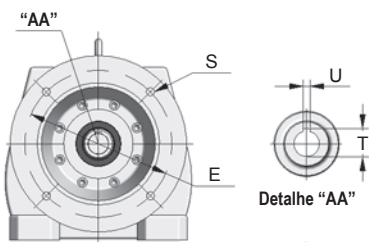
Vista lado da entrada



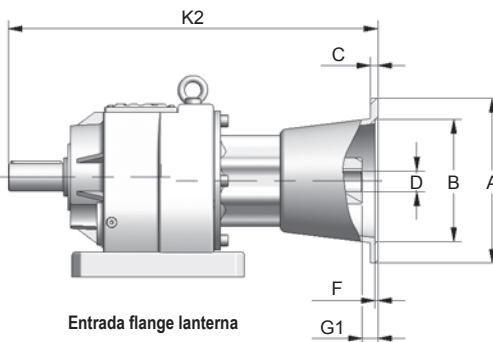
Entrada eixo integral



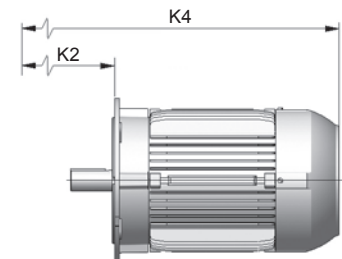
Vista lado da saída



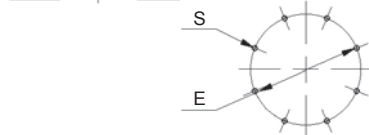
Detalhe "AA"



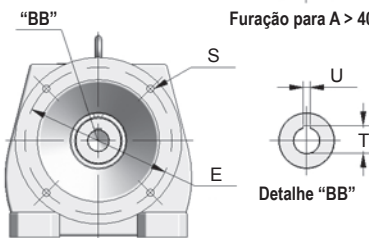
Entrada flange lanterna



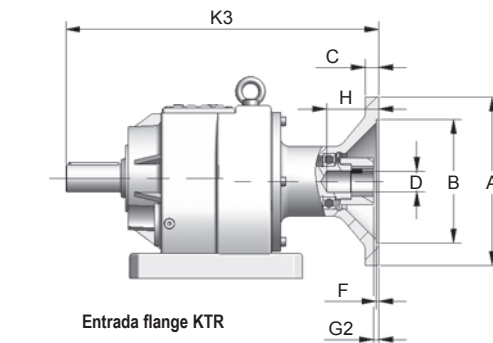
Entrada flange lanterna + motor standard*



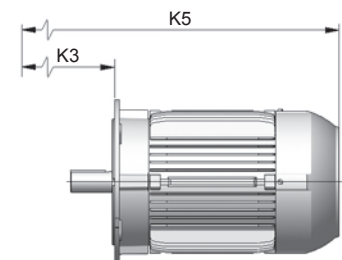
Furação para A > 400



Detalhe "BB"



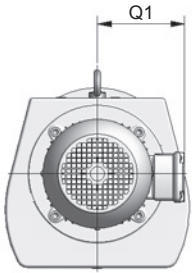
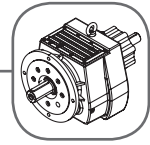
Entrada flange KTR



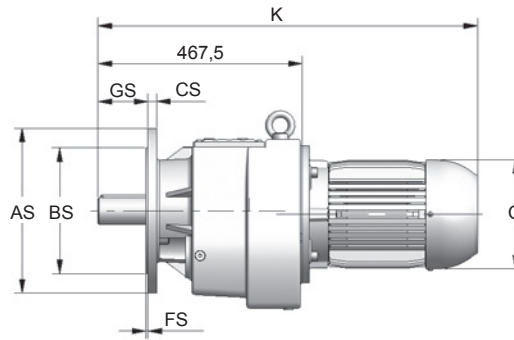
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
80	200	130 ^{H7}	15	∅19	165	4	10	1	44	726,5	536,5	12	21,8	6	712,5	962,5	772,5	157	130
90S	200	130 ^{H7}	15	∅24	165	4	10	1	52	726,5	536,5	12	27,3	8	734,5	980,5	790,5	177	150
90L	200	130 ^{H7}	15	∅24	165	4	10	1	52	726,5	536,5	12	27,3	8	759,5	1050,5	815,5	177	150
100	250	180 ^{H7}	16	∅28	215	5	20	1	63	735,5	558,5	15	31,3	8	808,5	1051,5	874,5	198	160
112	250	180 ^{H7}	16	∅28	215	5	20	1	63	735,5	558,5	15	31,3	8	824,5	1068,5	891,5	222	180
132S	300	230 ^{H7}	17	∅38	265	5	30	1	83	755,5	613,5	15	41,3	10	907,5	1127,5	985,5	274	207
132M	300	230 ^{H7}	17	∅38	265	5	30	1	83	755,5	613,5	15	41,3	10	945,5	1165,5	1023,5	274	207
160M	350	250 ^{H7}	24	∅42	300	6	40	1	112	787,5	661,5	19	45,3	12	958,5	1275,5	1149,5	317	250
160L	350	250 ^{H7}	24	∅42	300	6	40	1	112	787,5	661,5	19	45,3	12	1002,5	1319,5	1193,5	317	250
180M	350	250 ^{H7}	24	∅48	300	6	40	1	113	787,5	661,5	19	51,8	14	1032,5	1341,5	1215,5	360	270
200M	400	300 ^{H7}	24	∅55	350	6	—	1	114	—	706,5	19	59,3	16	1095,5	—	1325,5	402	294
200L	400	300 ^{H7}	24	∅55	350	6	—	1	114	—	706,5	19	59,3	16	1133,5	—	1363,5	402	294
225	450	350 ^{H7}	24	∅60	400	6	—	11	124	—	721,5	19	64,4	18	1176,5	—	1428,5	466	368

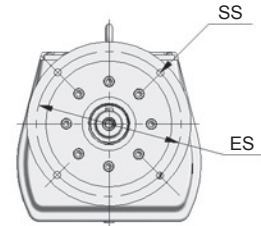
* Dimensões em mm



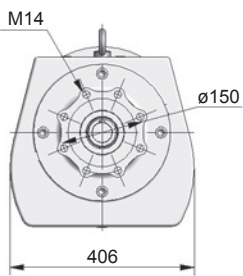
Vista frontal do motor



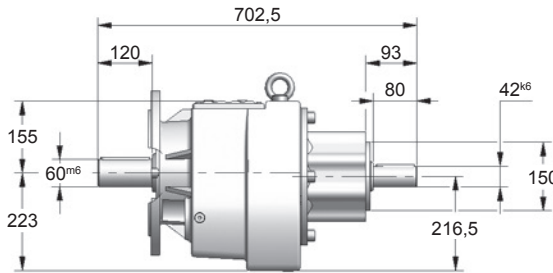
Entrada motor Weg tipo 1



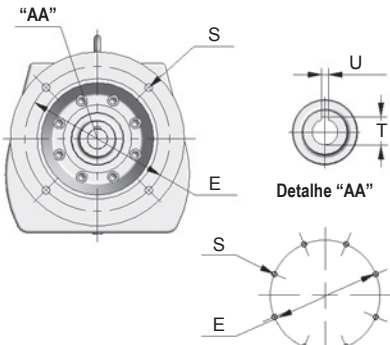
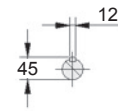
Vista lado da saída



Vista lado da entrada



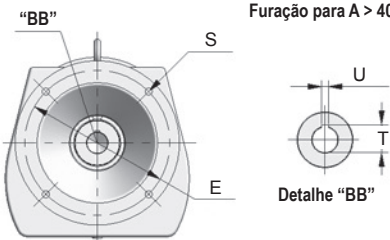
Entrada eixo integral



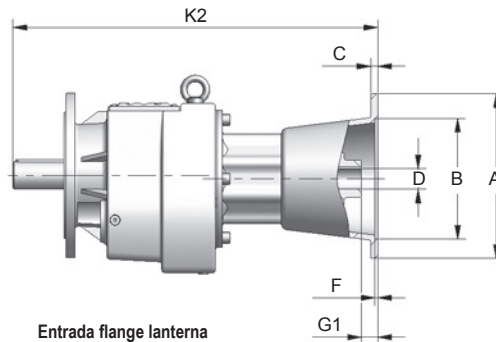
Detalhe "AA"



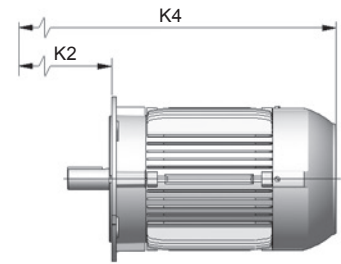
Furação para A > 400



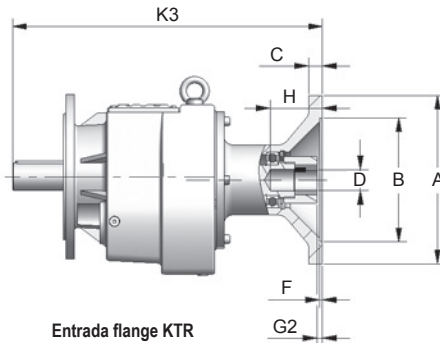
Detalhe "BB"



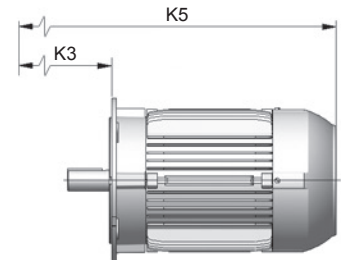
Entrada flange lanterna



Entrada flange lanterna + motor standard*



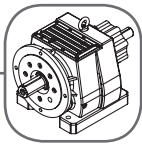
Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	756,5	566,5	12	21,8	6	742,5	992,5	802,5	157	130	G	350	250 ^{H7}	18	300	5	120	17,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	756,5	566,5	12	27,3	8	764,5	1010,5	820,5	177	150	J	450	350 ^{H7}	22	400	5	120	17,5
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	756,5	566,5	12	27,3	8	789,5	1035,5	845,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	765,5	588,5	15	31,3	8	838,5	1081,5	904,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	765,5	588,5	15	31,3	8	854,5	1098,5	921,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	785,5	643,5	15	41,3	10	937,5	1157,5	1015,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	785,5	643,5	15	41,3	10	975,5	1195,5	1053,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	817,5	691,5	19	45,3	12	988,5	1305,5	1179,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	817,5	691,5	19	45,3	12	1032,5	1349,5	1223,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	817,5	691,5	19	51,8	14	1062,5	1371,5	1245,5	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	736,5	19	59,3	16	1025,5	—	1355,5	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	736,5	19	59,3	16	1163,5	—	1393,5	402	294								
225	450	350 ^{H7}	24	ø60	400	6	—	11	124	—	751,5	19	64,4	18	1206,5	—	1458,5	466	368								

* Dimensões em mm

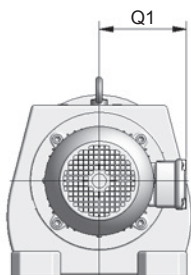


Fixação por pés e flange - G_G

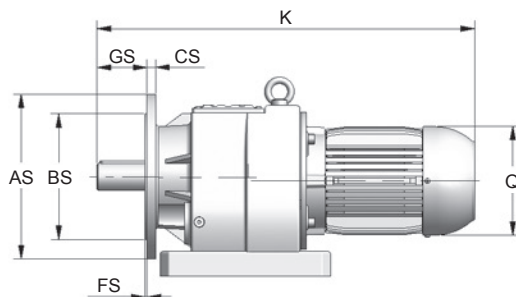
Simplex

Dimensões

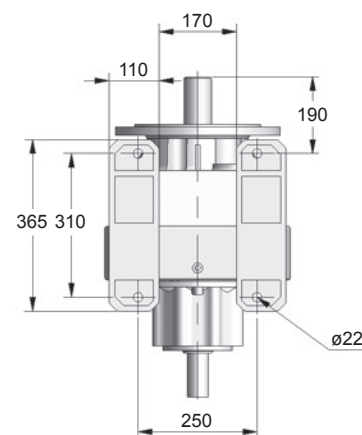
Tamanho 60



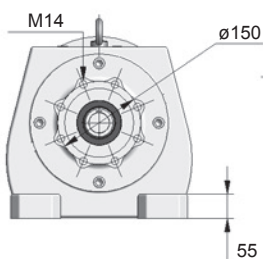
Vista frontal do motor



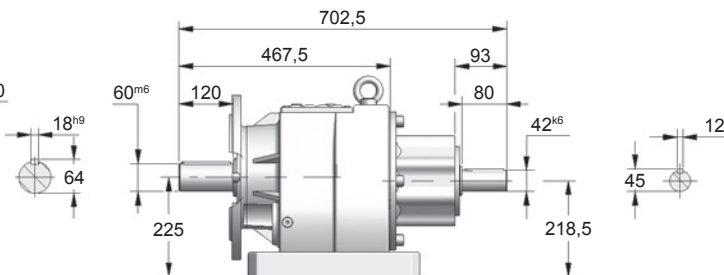
Entrada motor Weg tipo 1



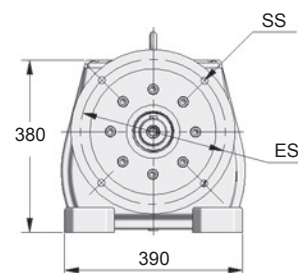
Detalhe dos pés



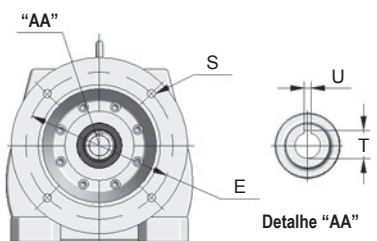
Vista lado da entrada



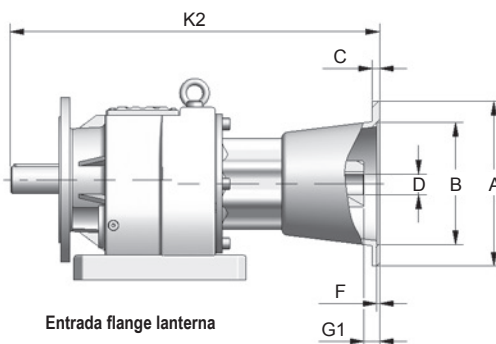
Entrada eixo integral



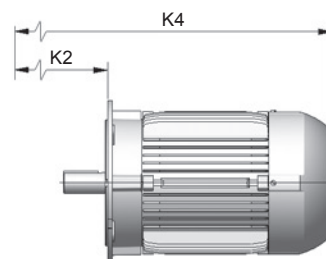
Vista lado da saída



Detalhe "AA"



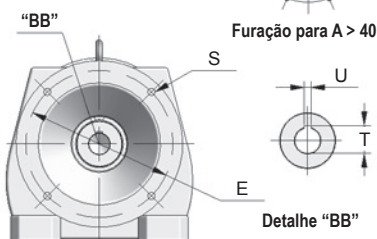
Entrada flange lanterna



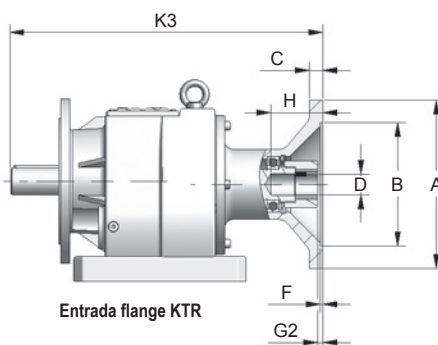
Entrada flange lanterna + motor standard*



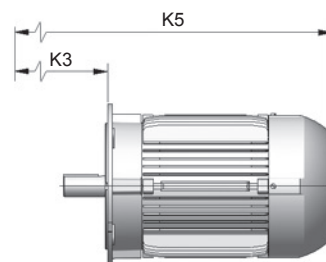
Furação para A > 400



Detalhe "BB"



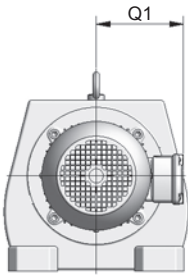
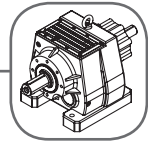
Entrada flange KTR



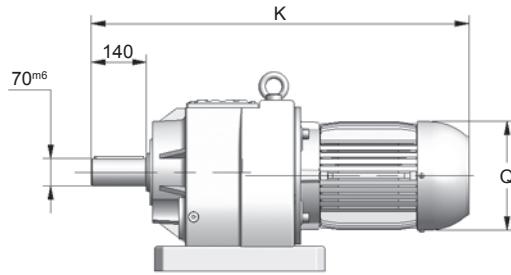
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	756,5	566,5	12	21,8	6	742,5	992,5	802,5	157	130	G	350	250 ^{H7}	18	300	5	120	17,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	756,5	566,5	12	27,3	8	764,5	1010,5	820,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	756,5	566,5	12	27,3	8	789,5	1035,5	845,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	765,5	588,5	15	31,3	8	838,5	1081,5	904,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	765,5	588,5	15	31,3	8	854,5	1098,5	921,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	785,5	643,5	15	41,3	10	937,5	1157,5	1015,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	785,5	643,5	15	41,3	10	975,5	1195,5	1053,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	817,5	691,5	19	45,3	12	988,5	1305,5	1179,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	817,5	691,5	19	45,3	12	1032,5	1349,5	1223,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	817,5	691,5	19	51,8	14	1062,5	1371,5	1245,5	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	736,5	19	59,3	16	1025,5	—	1355,5	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	736,5	19	59,3	16	1163,5	—	1393,5	402	294								
225	450	350 ^{H7}	24	ø60	400	6	—	11	124	—	751,5	19	64,4	18	1206,5	—	1458,5	466	368								

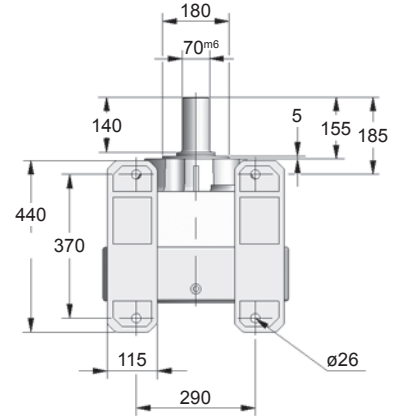
* Dimensões em mm



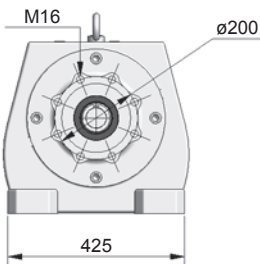
Vista frontal do motor



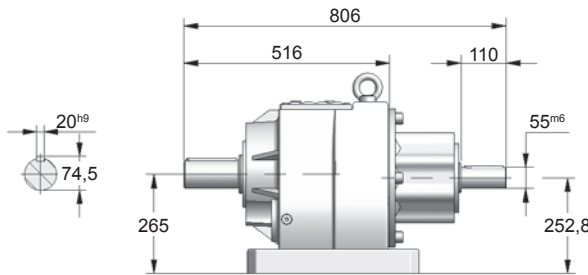
Entrada motor Weg tipo 1



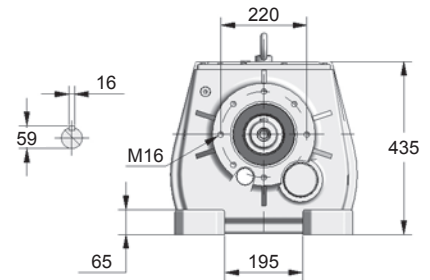
Detalhe dos pés



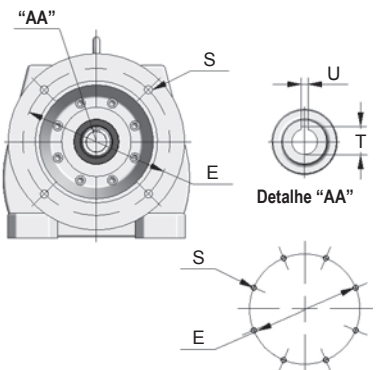
Vista lado da entrada



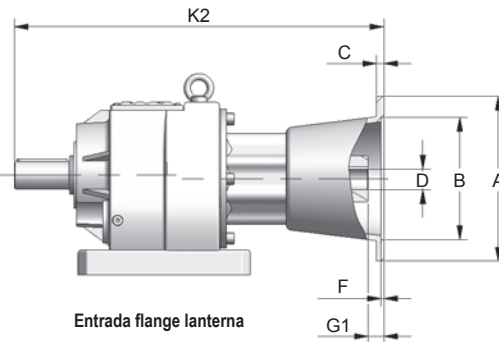
Entrada eixo integral



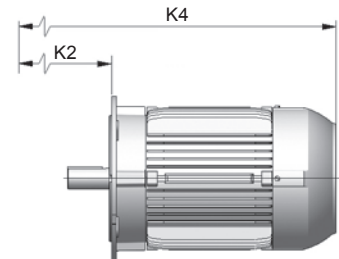
Vista lado da saída



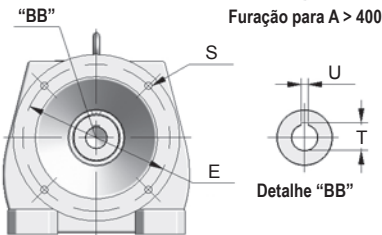
Detalhe "AA"



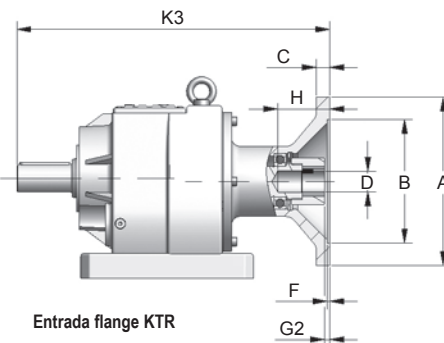
Entrada flange lanterna



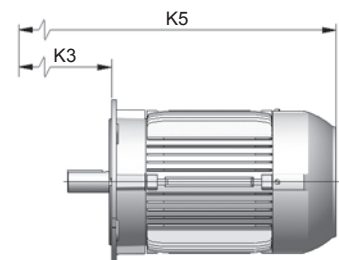
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

13

Carcaça	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	871	631	15	31,3	8	881	1187	947	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	871	631	15	31,3	8	897	1204	964	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	891	686	15	41,3	10	980	1263	1058	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	891	686	15	41,3	10	1018	1301	1096	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	921	734	19	45,3	12	1031	1409	1222	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	921	734	19	45,3	12	1075	1453	1266	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	921	734	19	51,8	14	1105	1475	1288	360	270
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	921	779	19	59,3	16	1068	1540	1398	402	294
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	921	779	19	59,3	16	1206	1578	1436	402	294
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	951	794	19	64,4	18	1255	1658	1501	466	368
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1331	—	—	491	368
280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1443	—	—	578	463

* Dimensões em mm

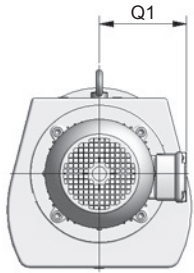


Fixação por flange - F__

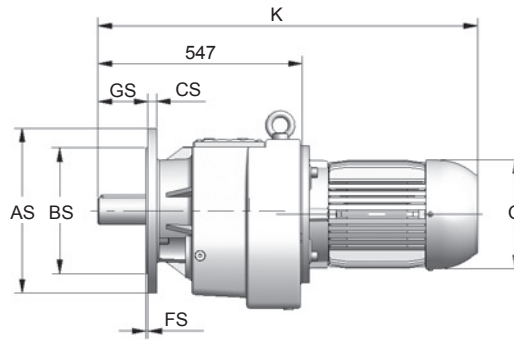
Simplex

Dimensões

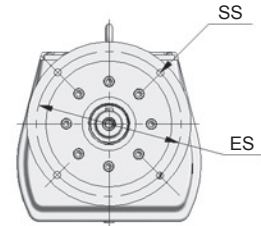
Tamanho **62**



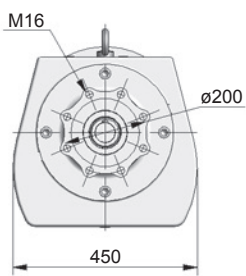
Vista frontal do motor



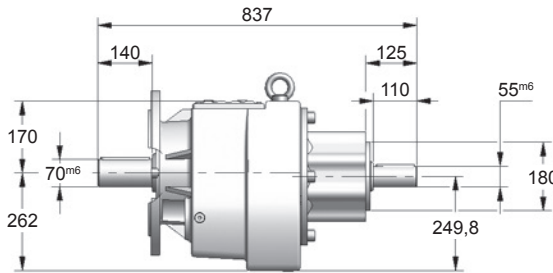
Entrada motor Weg tipo 1



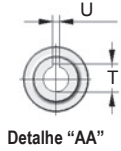
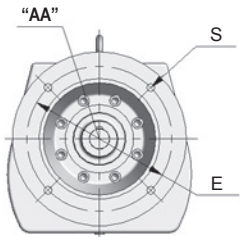
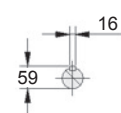
Vista lado da saída



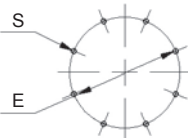
Vista lado da entrada



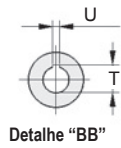
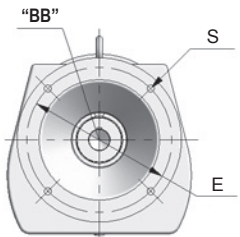
Entrada eixo integral



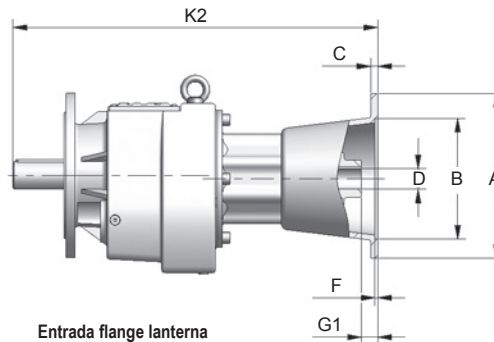
Detalhe "AA"



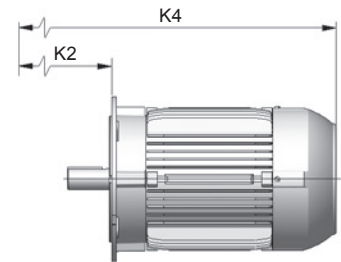
Furação para A > 400



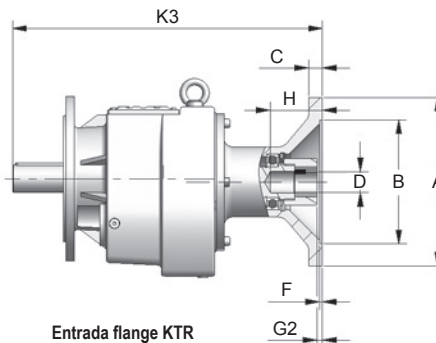
Detalhe "BB"



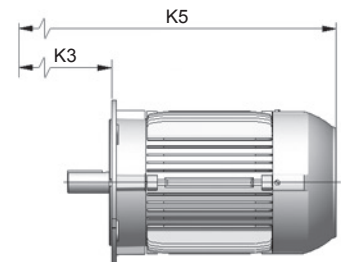
Entrada flange lanterna



Entrada flange lanterna + motor standard*



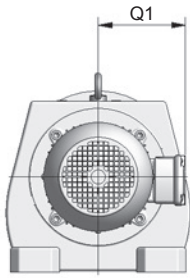
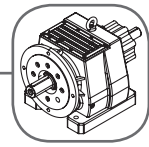
Entrada flange KTR



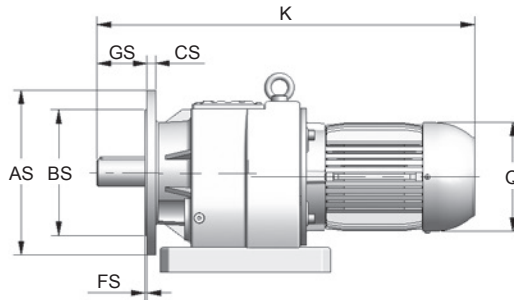
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	902	662	15	31,3	8	912	1218	978	198	160	G	350	250 ^{J7}	20	300	5	140	17,5
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	902	662	15	31,3	8	928	1235	995	235	180	J	450	350 ^{J7}	22	400	5	140	17,5
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	922	717	15	41,3	10	1011	1294	1089	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	922	717	15	41,3	10	1049	1332	1127	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	952	765	19	45,3	12	1062	1440	1253	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	952	765	19	45,3	12	1106	1484	1297	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	952	765	19	51,8	14	1136	1506	1319	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	952	810	19	59,3	16	1099	1571	1429	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	952	810	19	59,3	16	1237	1609	1467	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	982	825	19	64,4	18	1286	1689	1532	466	368								
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1362	—	—	491	368								
280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1474	—	—	578	463								

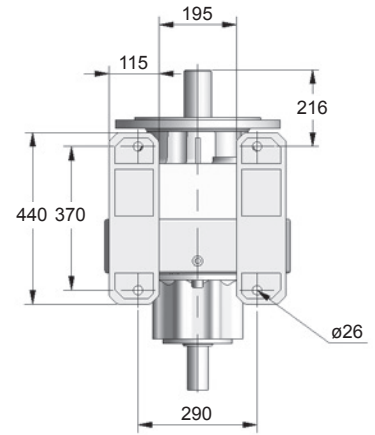
* Dimensões em mm



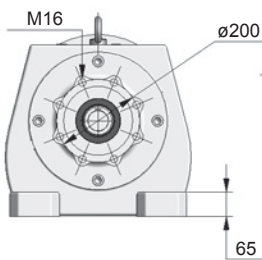
Vista frontal do motor



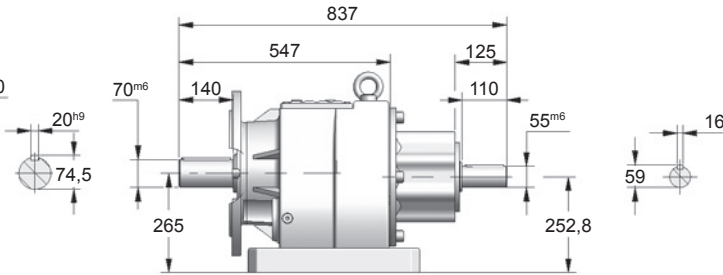
Entrada motor Weg tipo 1



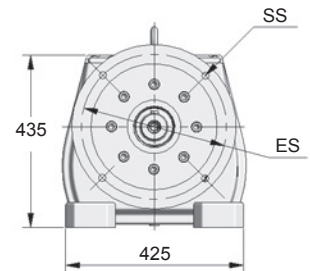
Detalhe dos pés



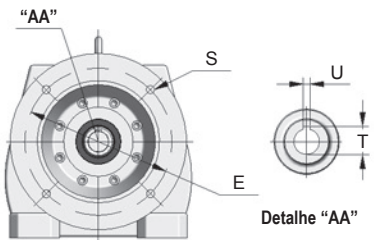
Vista lado da entrada



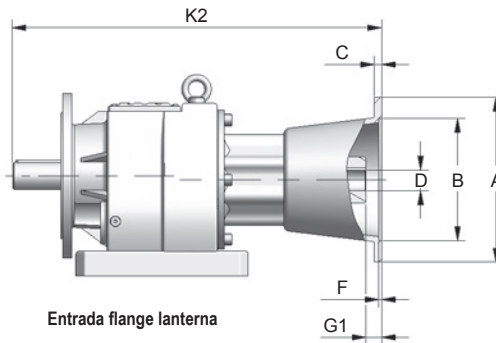
Entrada eixo integral



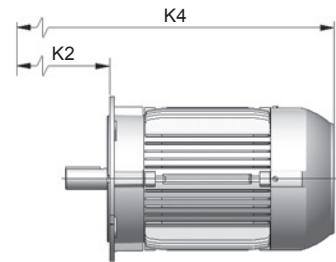
Vista lado da saída



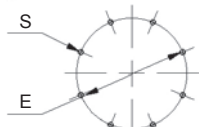
Detalhe "AA"



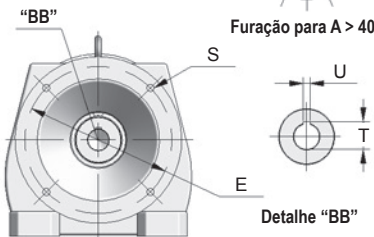
Entrada flange lanterna



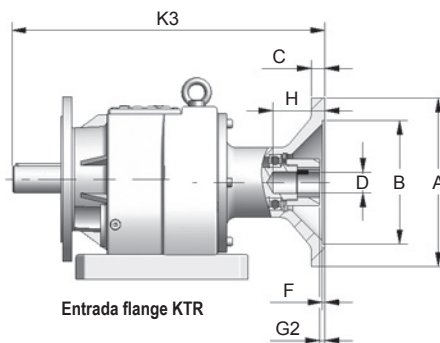
Entrada flange lanterna + motor standard*



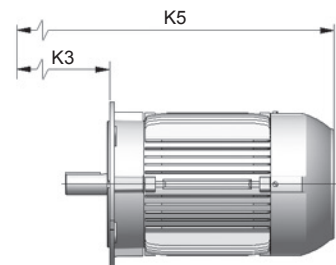
Furação para A > 400



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

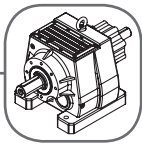
Flange Lanterna / KTR

Motor Elétrico

Flange de saída

Carcaça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	902	662	15	31,3	8	912	1218	978	198	160	G	350	250 ^{H7}	20	300	5	140	17,5
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	902	662	15	31,3	8	928	1235	995	235	180	J	450	350 ^{H7}	22	400	5	140	17,5
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	922	717	15	41,3	10	1011	1294	1089	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	922	717	15	41,3	10	1049	1332	1127	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	952	765	19	45,3	12	1062	1440	1253	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	952	765	19	45,3	12	1106	1484	1297	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	952	765	19	51,8	14	1136	1506	1319	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	952	810	19	59,3	16	1099	1571	1429	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	952	810	19	59,3	16	1237	1609	1467	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	982	825	19	64,4	18	1286	1689	1532	466	368								
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1362	—	—	491	368								
280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1474	—	—	578	463								

* Dimensões em mm

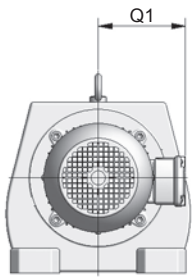


Fixação por pés - N

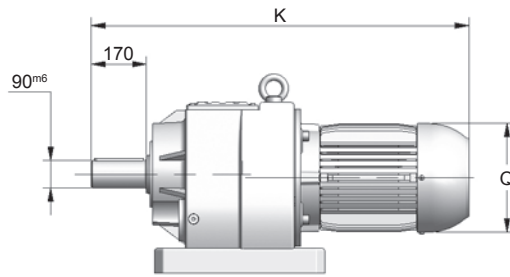
Simplex

Dimensões

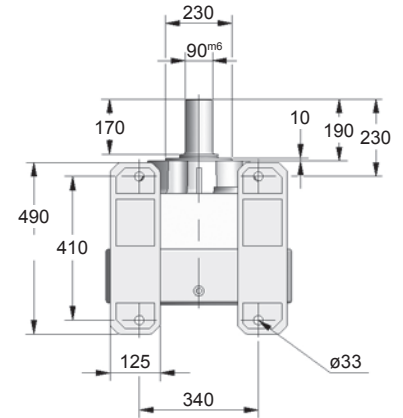
Tamanho 64



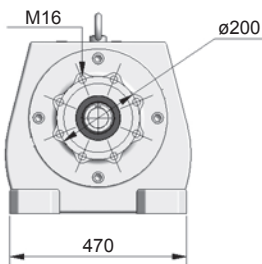
Vista frontal do motor



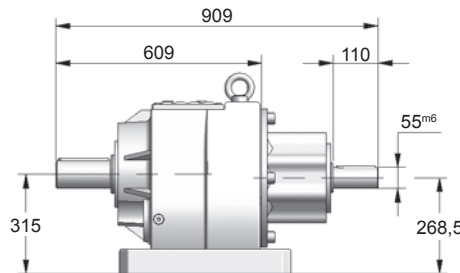
Entrada motor Weg tipo 1



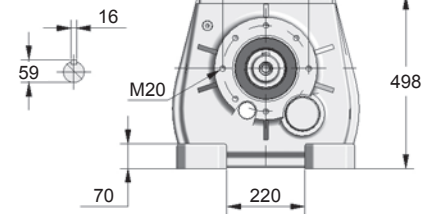
Detalhe dos pés



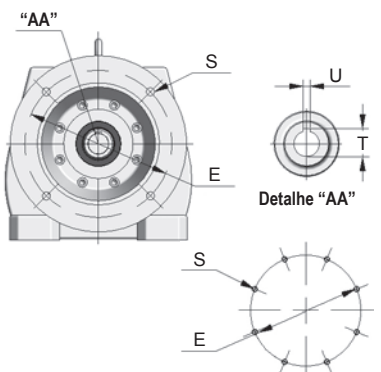
Vista lado da entrada



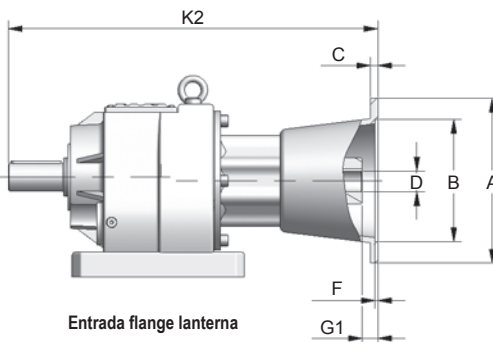
Entrada eixo integral



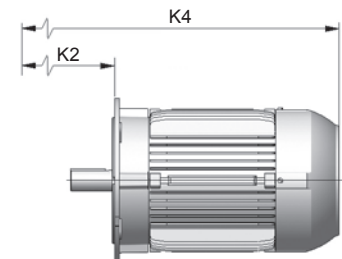
Vista lado da saída



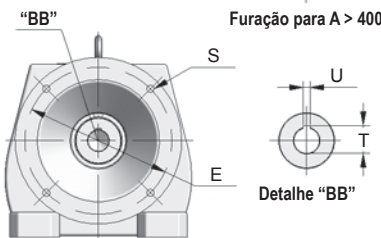
Detalhe "AA"



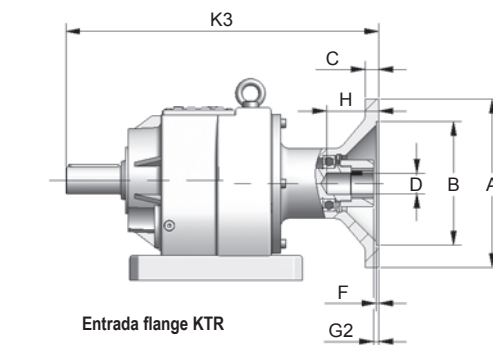
Entrada flange lanterna



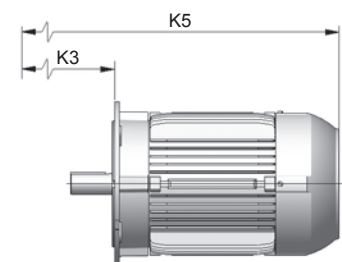
Entrada flange lanterna + motor standard*



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
100	250	180 ^{H17}	16	ø28	215	5	20	—	—	974	—	15	31,3	8	—	1290	—	198	160
112	250	180 ^{H17}	16	ø28	215	5	20	—	—	974	—	15	31,3	8	—	1307	—	235	180
132S	300	230 ^{H17}	17	ø38	265	5	30	1	83	994	772	15	41,3	10	1066	1366	1144	274	207
132M	300	230 ^{H17}	17	ø38	265	5	30	1	83	994	772	15	41,3	10	1104	1404	1182	274	207
160M	350	250 ^{H17}	24	ø42	300	6	40	1	112	1024	820	19	45,3	12	1117	1512	1308	317	250
160L	350	250 ^{H17}	24	ø42	300	6	40	1	112	1024	820	19	45,3	12	1161	1556	1352	317	250
180M	350	250 ^{H17}	24	ø48	300	6	40	1	113	1024	820	19	51,8	14	1191	1578	1374	360	270
200M	400	300 ^{H17}	24	ø55	350	6	30	1	114	1024	865	19	59,3	16	1154	1643	1484	402	294
200L	400	300 ^{H17}	24	ø55	350	6	30	1	114	1024	865	19	59,3	16	1292	1681	1522	402	294
225	450	350 ^{H17}	24	ø60	400	6	60	11	124	1054	880	19	64,4	18	1348	1761	1587	466	368
250	550	450 ^{H17}	25	ø60	500	6	—	2	144	—	999	19	64,4	18	1424	—	1782	491	368
280	550	450 ^{H17}	25	ø65	500	6	—	2	144	—	999	19	69,4	18	1536	—	1895	578	463
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1626	—	—	613	492

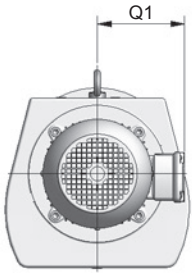
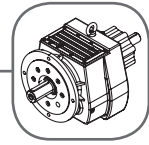
* Dimensões em mm

Dimensões

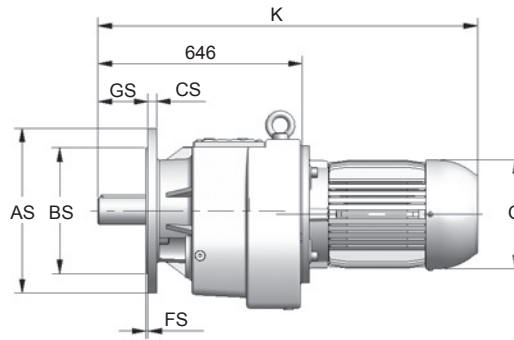
Tamanho **64**

Fixação por flange - F__

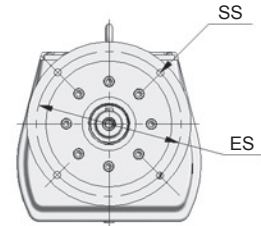
Simple



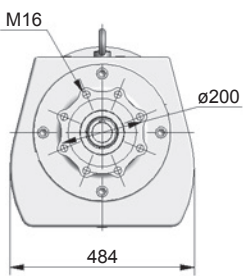
Vista frontal do motor



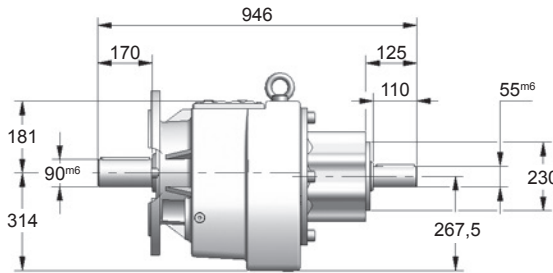
Entrada motor Weg tipo 1



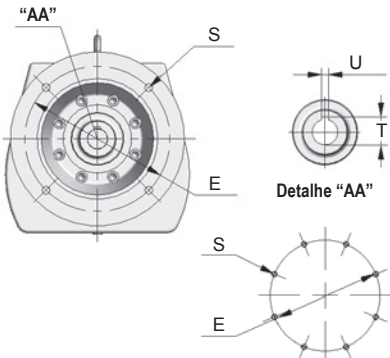
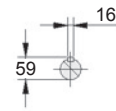
Vista lado da saída



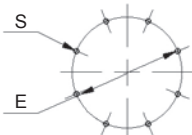
Vista lado da entrada



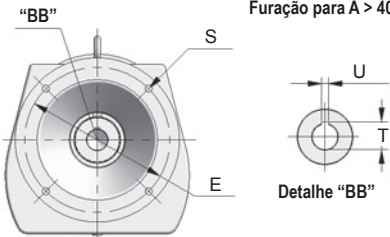
Entrada eixo integral



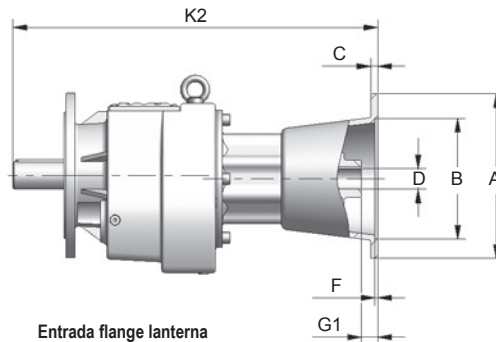
Detalhe "AA"



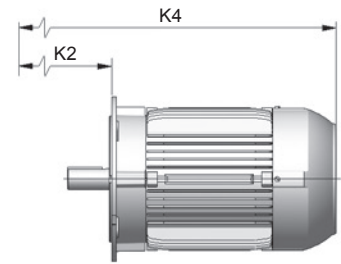
Furação para A > 400



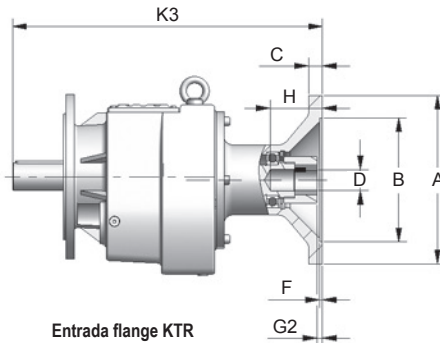
Detalhe "BB"



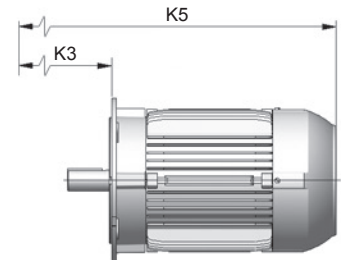
Entrada flange lanterna



Entrada flange lanterna + motor standard*



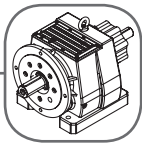
Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
100	250	180 ^{H7}	16	ø28	215	5	20	—	1011	—	15	31,3	8	—	1327	—	198	160	J	450	350 ^{H7}	22	400	5	170	17,5	
112	250	180 ^{H7}	16	ø28	215	5	20	—	1011	—	15	31,3	8	—	1344	—	235	180	K	550	450 ^{H7}	25	500	5	170	17,5	
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1031	809	15	41,3	10	1103	1403	1181	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1031	809	15	41,3	10	1141	1441	1219	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1061	857	19	45,3	12	1154	1549	1345	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1061	857	19	45,3	12	1198	1593	1389	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1061	857	19	51,8	14	1228	1615	1411	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1061	902	19	59,3	16	1191	1680	1521	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1061	902	19	59,3	16	1329	1718	1559	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1091	917	19	64,4	18	1385	1798	1624	466	368								
250	550	450 ^{H7}	25	ø60	500	6	—	2	144	—	1036	19	64,4	18	1461	—	1819	491	368								
280	550	450 ^{H7}	25	ø65	500	6	—	2	144	—	1036	19	69,4	18	1573	—	1932	578	463								
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1663	—	613	492									

* Dimensões em mm

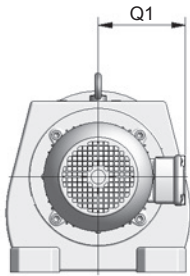


Fixação por pés e flange - G-J

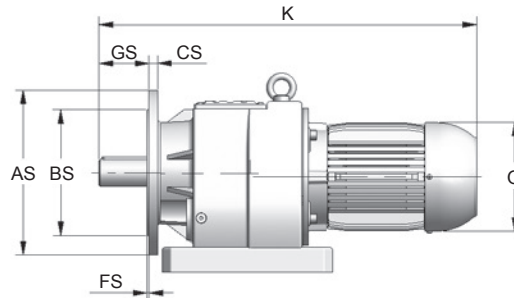
Simplex

Dimensões

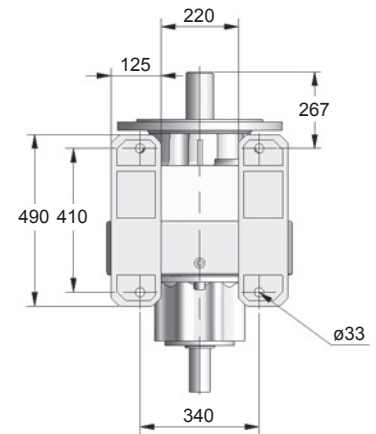
Tamanho 64



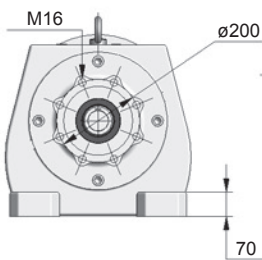
Vista frontal do motor



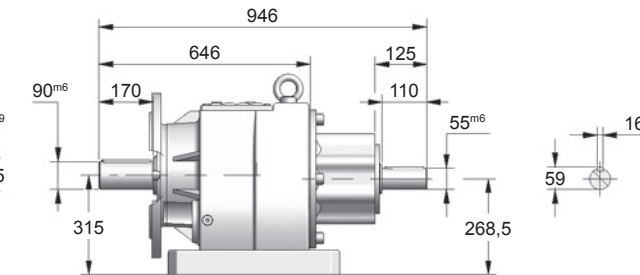
Entrada motor Weg tipo 1



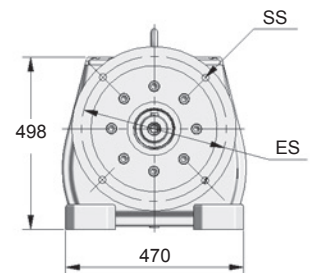
Detalhe dos pés



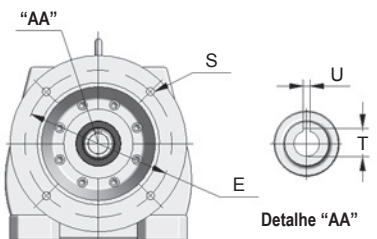
Vista lado da entrada



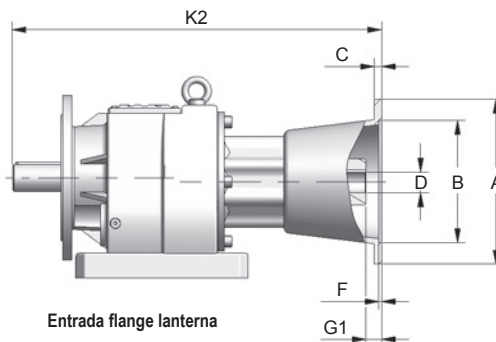
Entrada eixo integral



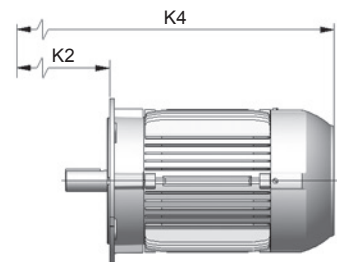
Vista lado da saída



Detalhe "AA"



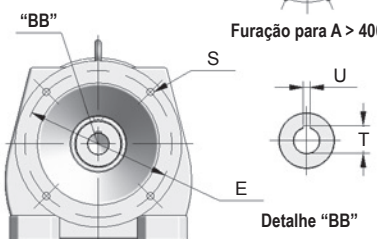
Entrada flange lanterna



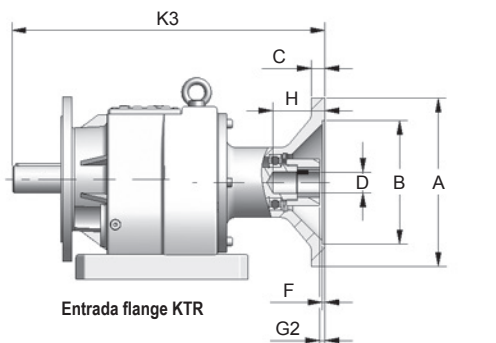
Entrada flange lanterna + motor standard*



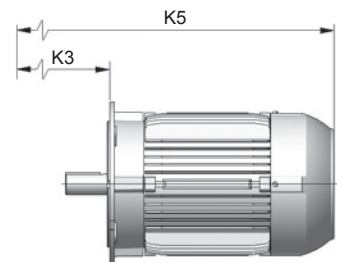
Furação para A > 400



Detalhe "BB"



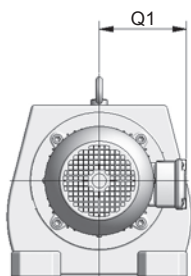
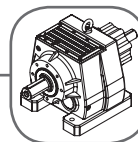
Entrada flange KTR



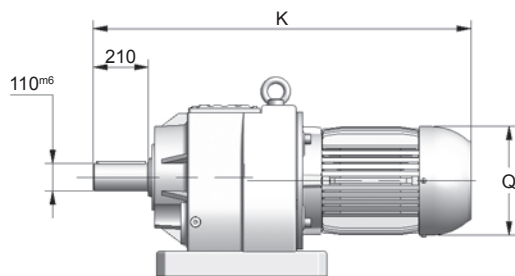
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	1011	—	15	31,3	8	—	1327	—	198	160	J	450	350 ^{H7}	22	400	5	170	17,5
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	1011	—	15	31,3	8	—	1344	—	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1031	809	15	41,3	10	1103	1403	1181	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1031	809	15	41,3	10	1141	1441	1219	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1061	857	19	45,3	12	1154	1549	1345	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1061	857	19	45,3	12	1198	1593	1389	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1061	857	19	51,8	14	1228	1615	1411	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1061	902	19	59,3	16	1191	1680	1521	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1061	902	19	59,3	16	1329	1718	1559	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1091	917	19	64,4	18	1385	1798	1624	466	368								
250	550	450 ^{H7}	25	ø60	500	6	—	2	144	—	1036	19	64,4	18	1461	—	1819	491	368								
280	550	450 ^{H7}	25	ø65	500	6	—	2	144	—	1036	19	69,4	18	1573	—	1932	578	463								
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1663	—	—	613	492								

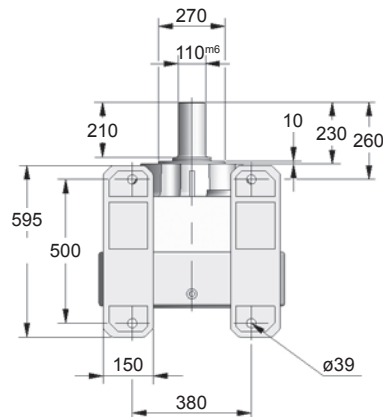
* Dimensões em mm



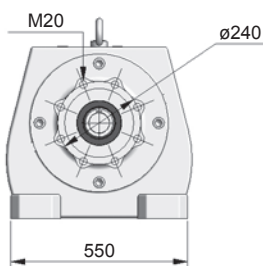
Vista frontal do motor



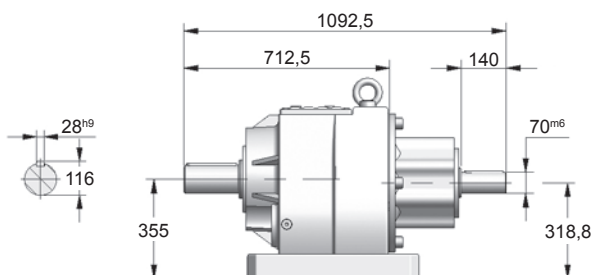
Entrada motor Weg tipo 1



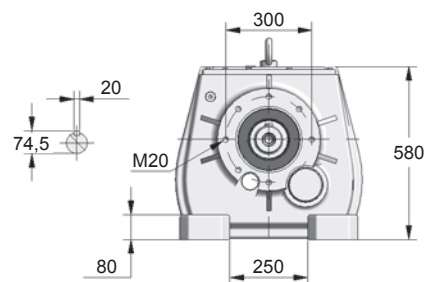
Detalhe dos pés



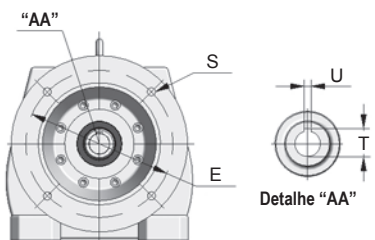
Vista lado da entrada



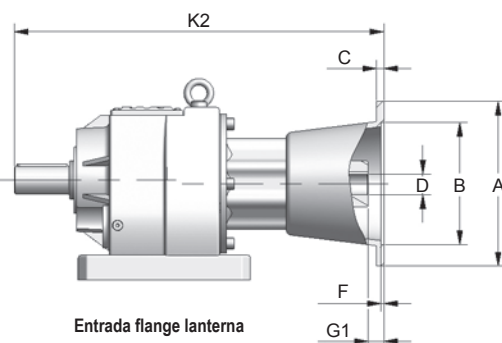
Entrada eixo integral



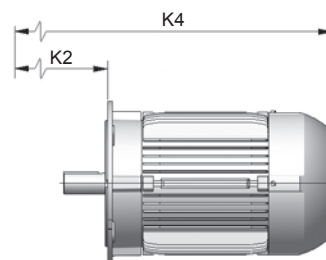
Vista lado da saída



Detalhe "AA"



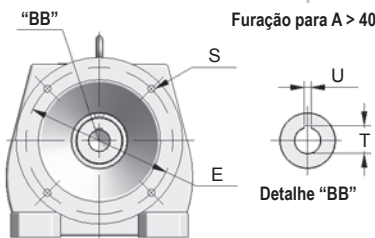
Entrada flange lanterna



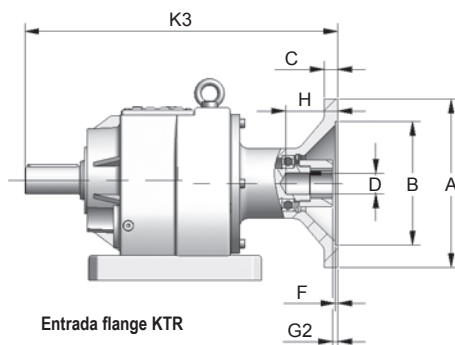
Entrada flange lanterna + motor standard*



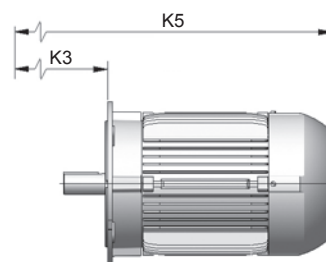
Furação para A > 400



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1176,5	867,5	15	41,3	10	1161,5	1548,5	1239,5	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1176,5	867,5	15	41,3	10	1199,5	1586,5	1277,5	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1206,5	915,5	19	45,3	12	1212,5	1694,5	1403,5	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1206,5	915,5	19	45,3	12	1256,5	1738,5	1447,5	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1206,5	915,5	19	51,8	14	1286,5	1760,5	1469,5	360	270
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1206,5	960,5	19	59,3	16	1249,5	1825,5	1579,5	402	294
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1206,5	960,5	19	59,3	16	1387,5	1863,5	1617,5	402	294
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1236,5	975,5	19	64,4	18	1451,5	1943,5	1682,5	466	368
250	550	450 ^{H7}	25	ø60	500	6	50	2	144	—	1093,5	19	64,4	18	1527,5	—	1876,5	491	368
280	550	450 ^{H7}	25	ø65	500	6	50	2	144	—	1093,5	19	69,4	18	1639,5	—	1989,5	578	463
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1729,5	—	—	613	492

* Dimensões em mm

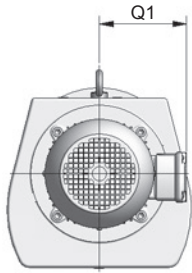


Fixação por flange - F__

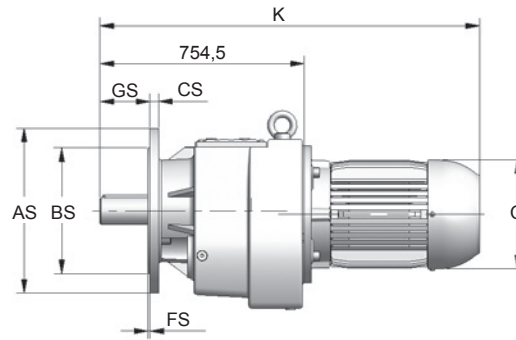
Simplex

Dimensões

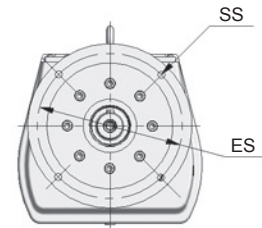
Tamanho **66**



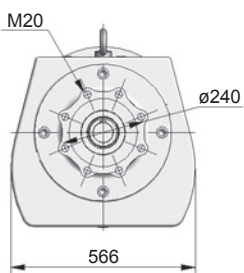
Vista frontal do motor



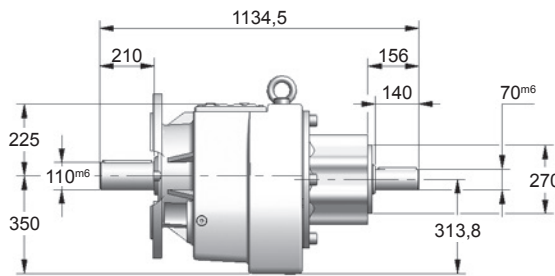
Entrada motor Weg tipo 1



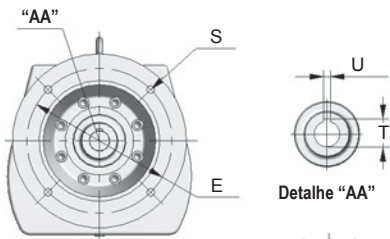
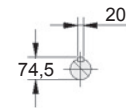
Vista lado da saída



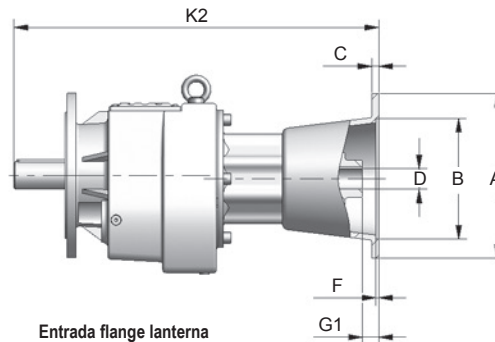
Vista lado da entrada



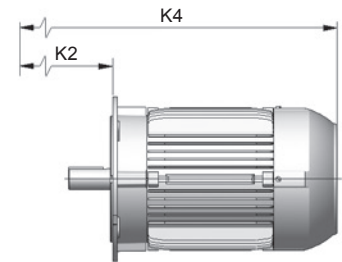
Entrada eixo integral



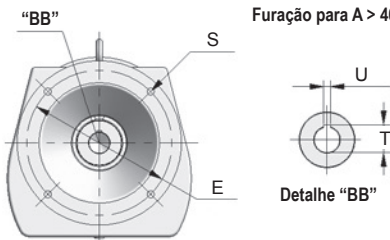
Detalhe "AA"



Entrada flange lanterna

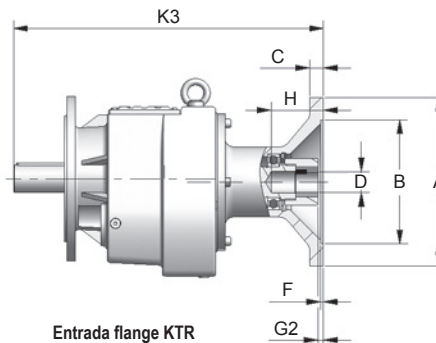


Entrada flange lanterna + motor standard*

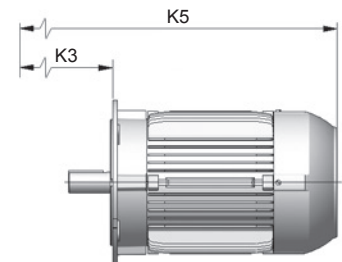


Detalhe "BB"

Furação para A > 400



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR										Motor Elétrico						Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1218,5	909,5	15	41,3	10	1203,5	1590,5	1281,5	274	207	J	450	350 ^{H7}	22	400	5	210	17,5	
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1218,5	909,5	15	41,3	10	1241,5	1628,5	1319,5	274	207	K	550	450 ^{H7}	25	500	5	210	17,5	
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1248,5	957,5	19	45,3	12	1254,5	1736,5	1445,5	317	250									
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1248,5	957,5	19	45,3	12	1298,5	1780,5	1489,5	317	250									
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1248,5	957,5	19	51,8	14	1328,5	1802,5	1511,5	360	270									
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1248,5	1002,5	19	59,3	16	1291,5	1867,5	1621,5	402	294									
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1248,5	1002,5	19	59,3	16	1429,5	1905,5	1659,5	402	294									
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1278,5	1017,5	19	64,4	18	1493,5	1985,5	1724,5	466	368									
250	550	450 ^{H7}	25	ø60	500	6	50	2	144	—	1135,5	19	64,4	18	1569,5	—	1918,5	491	368									
280	550	450 ^{H7}	25	ø65	500	6	50	2	144	—	1135,5	19	69,4	18	1681,5	—	2031,5	578	463									
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1771,5	—	—	613	492									

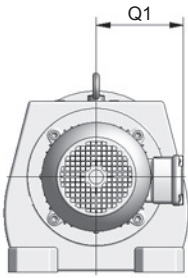
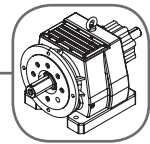
* Dimensões em mm

Dimensões

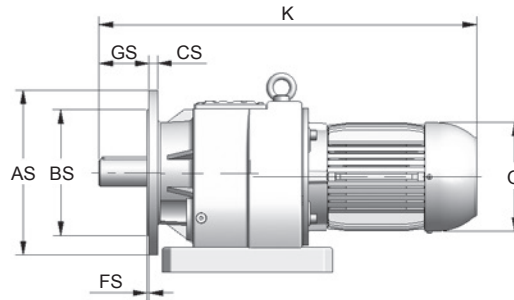
Tamanho **66**

Fixação por pés e flange - G_J

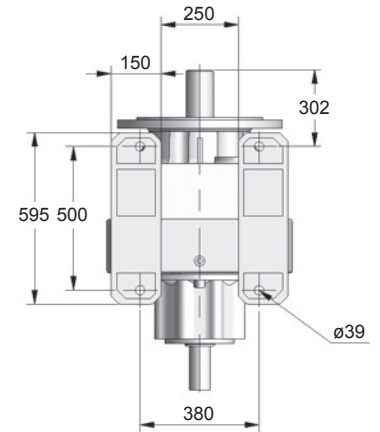
Simplex



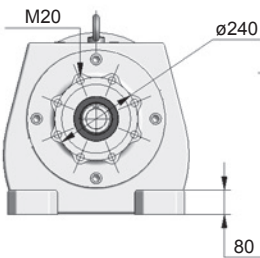
Vista frontal do motor



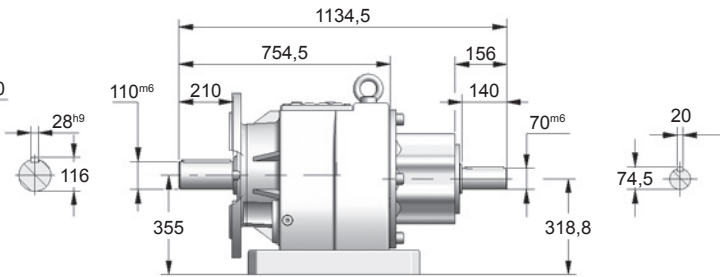
Entrada motor Weg tipo 1



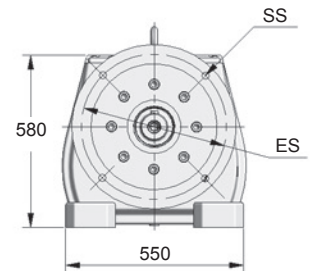
Detalhe dos pés



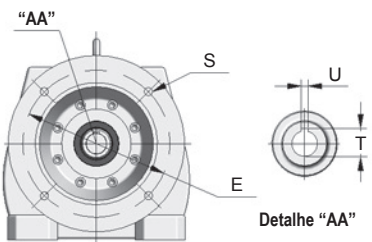
Vista lado da entrada



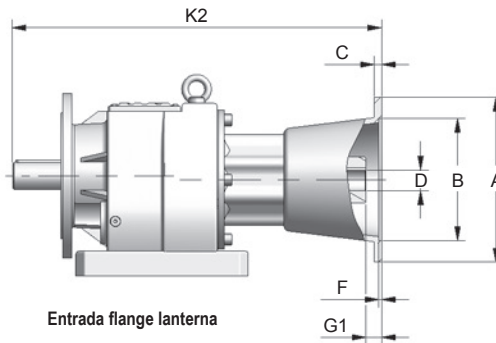
Entrada eixo integral



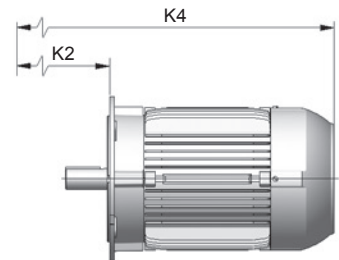
Vista lado da saída



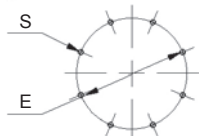
Detalhe "AA"



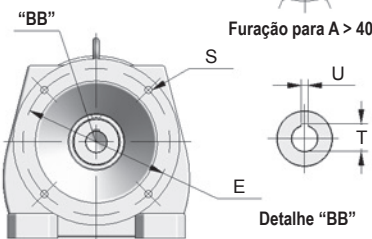
Entrada flange lanterna



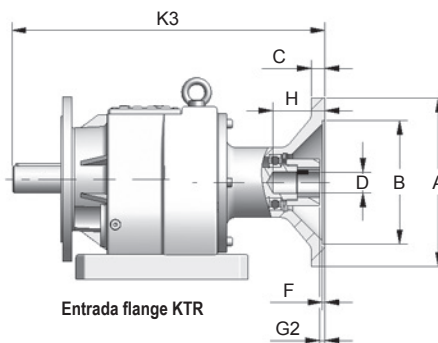
Entrada flange lanterna + motor standard*



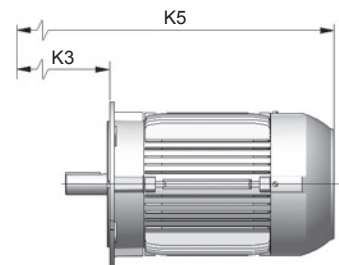
Furação para A > 400



Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

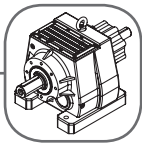
Flange Lanterna / KTR

Motor Elétrico

Flange de saída

Carcça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1218,5	909,5	15	41,3	10	1203,5	1590,5	1281,5	274	207	J	450	350 ^{H7}	22	400	5	210	17,5
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1218,5	909,5	15	41,3	10	1241,5	1628,5	1319,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1248,5	957,5	19	45,3	12	1254,5	1736,5	1445,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1248,5	957,5	19	45,3	12	1298,5	1780,5	1489,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1248,5	957,5	19	51,8	14	1328,5	1802,5	1511,5	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1248,5	1002,5	19	59,3	16	1291,5	1867,5	1621,5	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1248,5	1002,5	19	59,3	16	1429,5	1905,5	1659,5	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1278,5	1017,5	19	64,4	18	1493,5	1985,5	1724,5	466	368								
250	550	450 ^{H7}	25	ø60	500	6	50	2	144	—	1135,5	19	64,4	18	1569,5	—	1918,5	491	368								
280	550	450 ^{H7}	25	ø65	500	6	50	2	144	—	1135,5	19	69,4	18	1681,5	—	2031,5	578	463								
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1771,5	—	—	613	492								

* Dimensões em mm

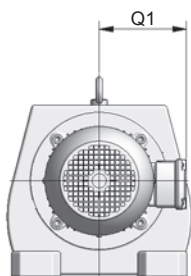


Fixação por pés - N

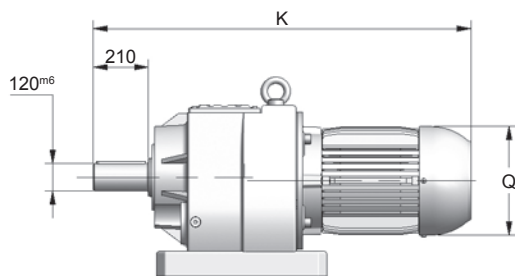
Simplex

Dimensões

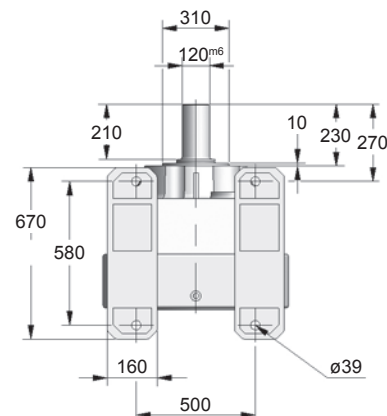
Tamanho **68**



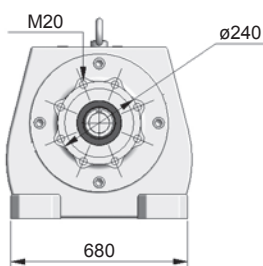
Vista frontal do motor



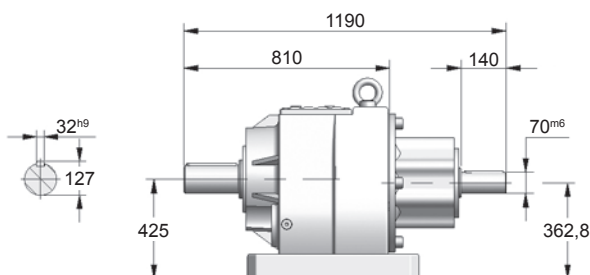
Entrada motor Weg tipo 1



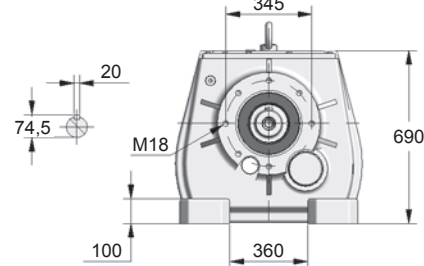
Detalhe dos pés



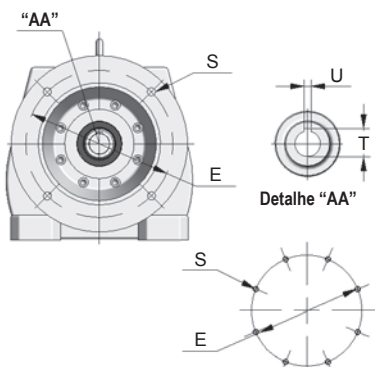
Vista lado da entrada



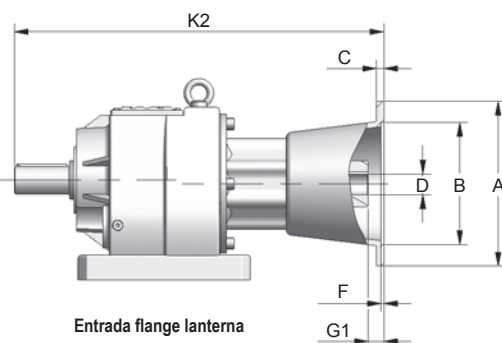
Entrada eixo integral



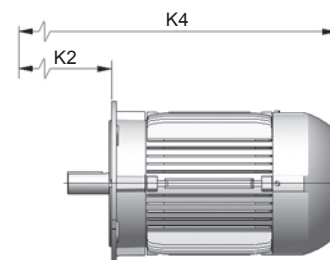
Vista lado da saída



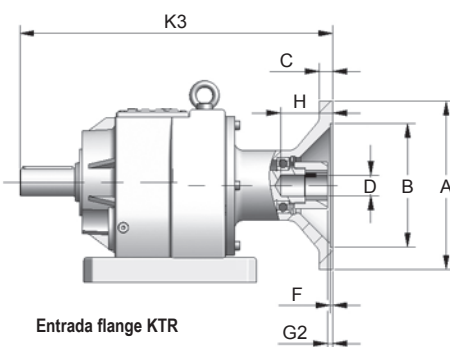
Furação para A > 400



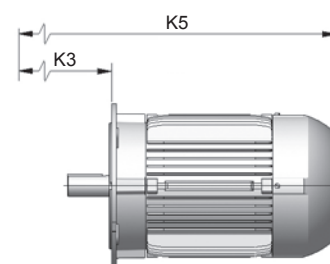
Entrada flange lanterna



Entrada flange lanterna + motor standard*



Entrada flange KTR



Entrada flange KTR + motor standard*

Carcasa	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
132S	300	230 ^{H7}	17	ø38	265	5	30	—	—	1274	—	15	41,3	10	—	1646	—	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	—	—	1274	—	15	41,3	10	—	1684	—	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1304	1005	19	45,3	12	1302	1792	1377	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1304	1005	19	45,3	12	1346	1836	1415	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1304	1005	19	51,8	14	1376	1858	1493	360	270
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1304	1050	19	59,3	16	1339	1923	1582	402	294
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1304	1050	19	59,3	16	1477	1961	1604	402	294
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1334	1065	19	64,4	18	1549	2041	1684	466	368
250	550	450 ^{H7}	25	ø60	500	6	—	2	144	—	1182	19	64,4	18	1625	—	1839	491	368
280	550	450 ^{H7}	25	ø65	500	6	—	2	144	—	1182	19	69,4	18	1737	—	1889	578	463
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1827	—	—	613	492

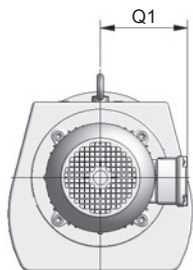
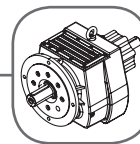
* Dimensões em mm

Dimensões

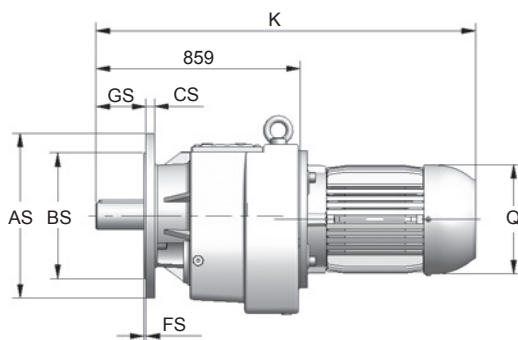
Tamanho **68**

Fixação por flange - F__

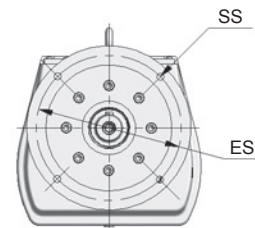
Simplex



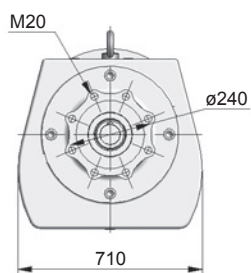
Vista frontal do motor



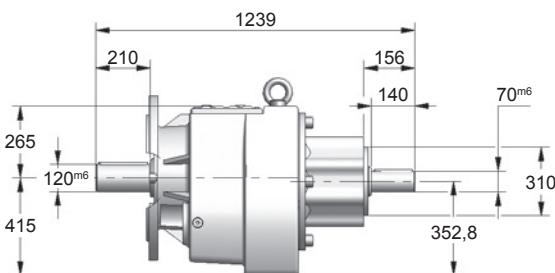
Entrada motor Weg tipo 1



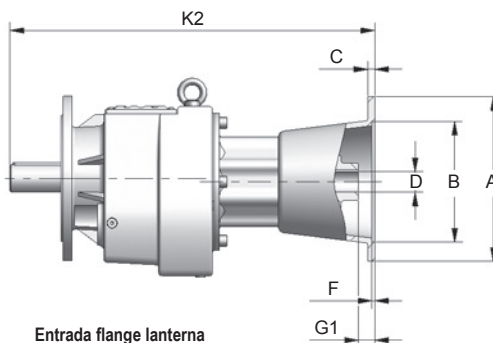
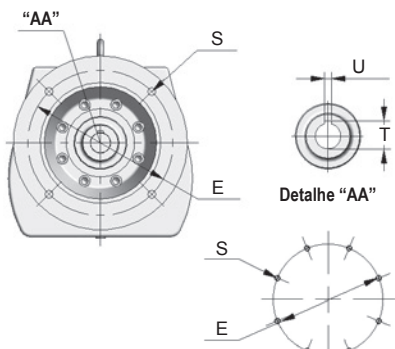
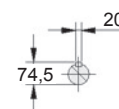
Vista lado da saída



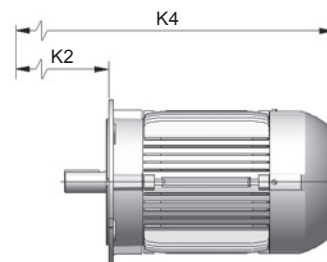
Vista lado da entrada



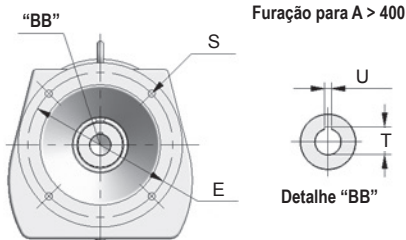
Entrada eixo integral



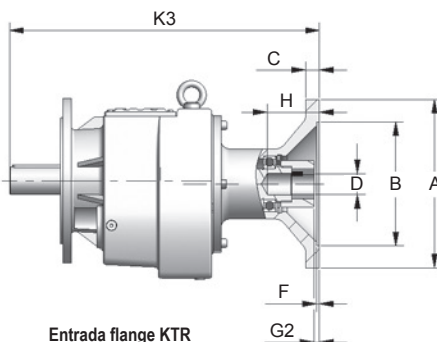
Entrada flange lanterna



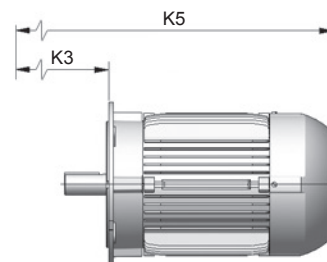
Entrada flange lanterna + motor standard*



Furação para A > 400



Entrada flange KTR

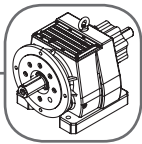


Entrada flange KTR + motor standard*

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
132S	300	230 ^{H7}	17	ø38	265	5	30	—	—	1323	—	15	41,3	10	—	1695	—	274	207	K	550	450 ^{I7}	25	500	5	210	17,5
132M	300	230 ^{H7}	17	ø38	265	5	30	—	—	1323	—	15	41,3	10	—	1733	—	274	207	L	660	550 ^{I7}	28	600	6	210	22
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1353	1054	19	45,3	12	1351	1841	1426	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1353	1054	19	45,3	12	1395	1885	1464	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1353	1054	19	51,8	14	1425	1907	1542	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1353	1099	19	59,3	16	1388	1972	1631	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1353	1099	19	59,3	16	1526	2010	1653	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1383	1114	19	64,4	18	1598	2090	1733	466	368								
250	550	450 ^{H7}	25	ø60	500	6	—	2	144	—	1231	19	64,4	18	1674	—	1888	491	368								
280	550	450 ^{H7}	25	ø65	500	6	—	2	144	—	1231	19	69,4	18	1786	—	1938	578	463								
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1876	—	—	613	492								

* Dimensões em mm

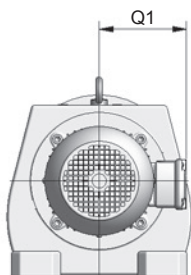


Fixação por pés e flange - G _ _

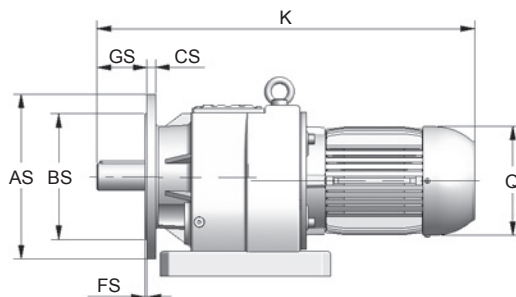
Simplex

Dimensões

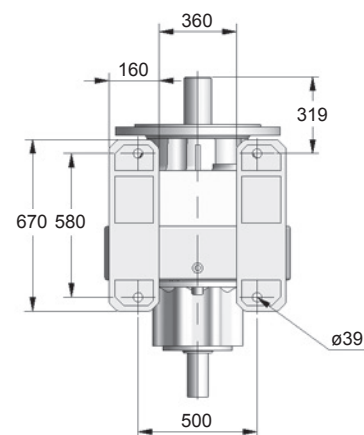
Tamanho **68**



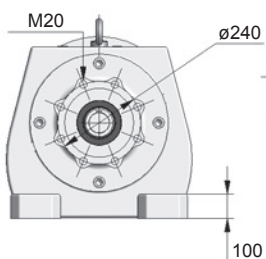
Vista frontal do motor



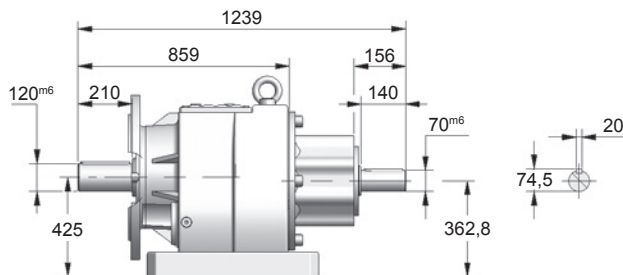
Entrada motor Weg tipo 1



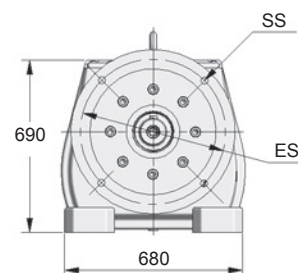
Detalhe dos pés



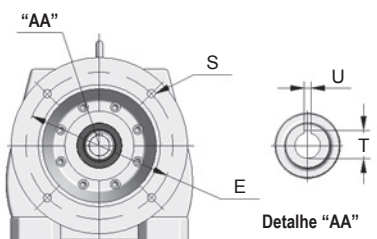
Vista lado da entrada



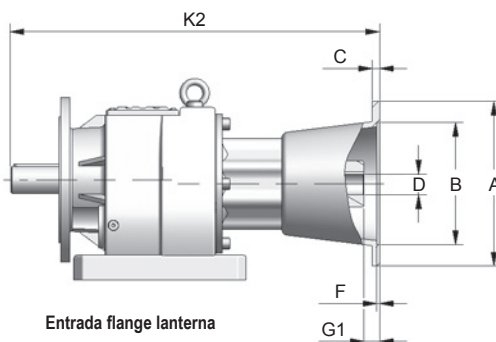
Entrada eixo integral



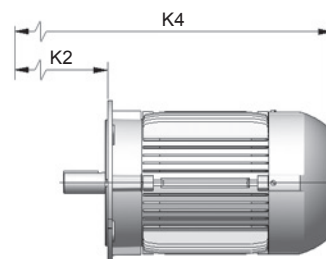
Vista lado da saída



Detalhe "AA"



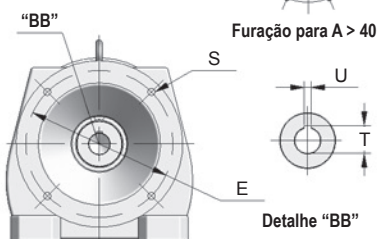
Entrada flange lanterna



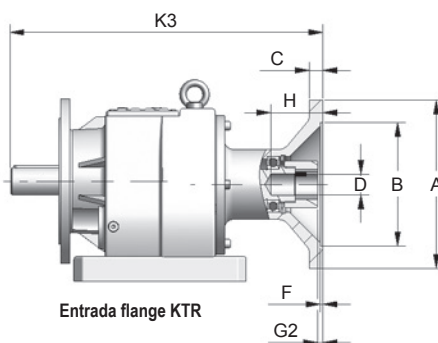
Entrada flange lanterna + motor standard*



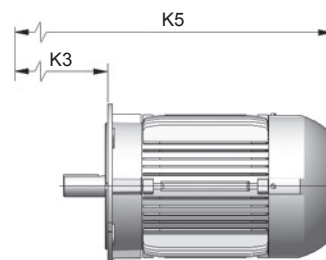
Furação para A > 400



Detalhe "BB"



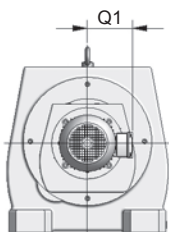
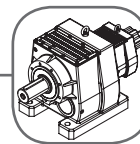
Entrada flange KTR



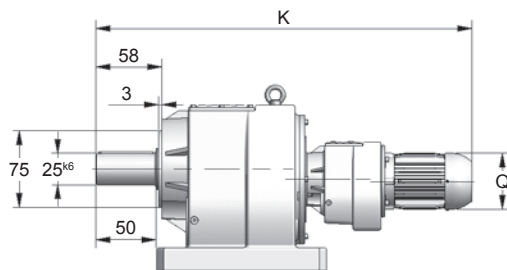
Entrada flange KTR + motor standard*

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
132S	300	230 ^{H7}	17	ø38	265	5	30	—	—	1323	—	15	41,3	10	—	1695	—	274	207	K	550	450 ^{H7}	25	500	5	210	17,5
132M	300	230 ^{H7}	17	ø38	265	5	30	—	—	1323	—	15	41,3	10	—	1733	—	274	207	L	660	550 ^{H7}	28	600	6	210	22
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1353	1054	19	45,3	12	1351	1841	1426	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1353	1054	19	45,3	12	1395	1885	1464	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1353	1054	19	51,8	14	1425	1907	1542	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1353	1099	19	59,3	16	1388	1972	1631	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1353	1099	19	59,3	16	1526	2010	1653	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1383	1114	19	64,4	18	1598	2090	1733	466	368								
250	550	450 ^{H7}	25	ø60	500	6	—	2	144	—	1231	19	64,4	18	1674	—	1888	491	368								
280	550	450 ^{H7}	25	ø65	500	6	—	2	144	—	1231	19	69,4	18	1786	—	1938	578	463								
315	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1876	—	—	613	492								

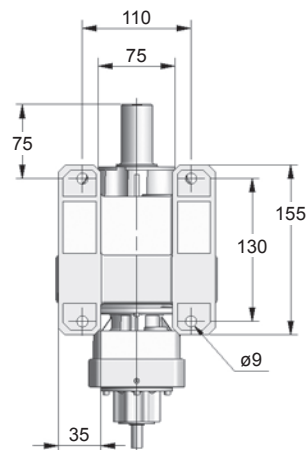
* Dimensões em mm



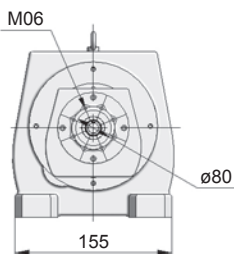
Vista frontal do motor



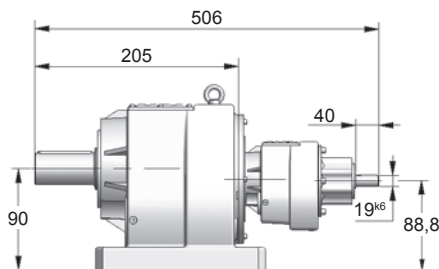
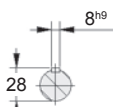
Entrada motor Weg tipo 1



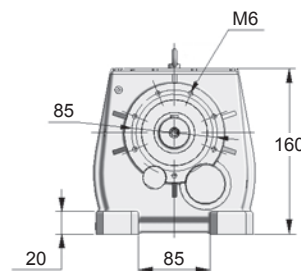
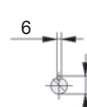
Detalhe dos pés



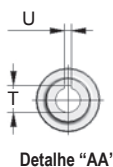
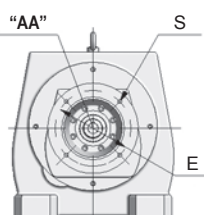
Vista lado da entrada



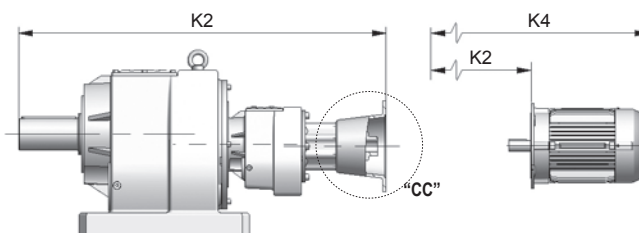
Entrada eixo integral



Vista lado da saída

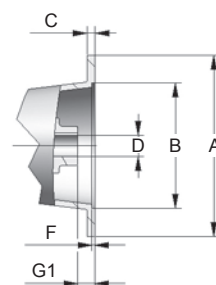


Detalhe "AA"

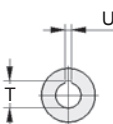
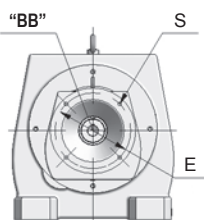


Entrada flange lanterna

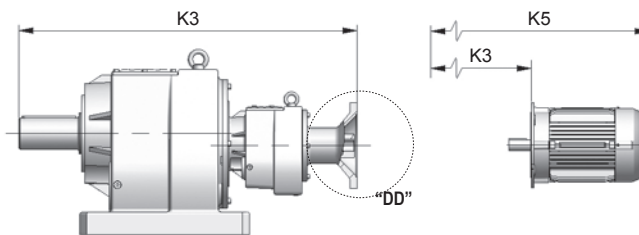
Entrada flange lanterna + motor standard*



Detalhe "CC"

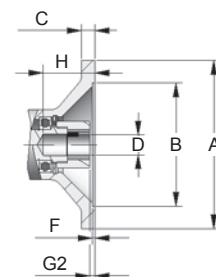


Detalhe "BB"



Entrada flange KTR

Entrada flange KTR + motor standard*



Detalhe "DD"

Flange Lanterna / KTR

Motor Elétrico

Carcaça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	540	460,5	10	12,8	4	616	733	653,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	541	460,5	10	16,3	5	648	759	678,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	558	499	12	21,8	6	675	794	735	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	558	499	12	27,3	8	697	812	753	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	558	499	12	27,3	8	722	837	778	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	570	—	15	31,3	8	774	886	—	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	570	—	15	31,3	8	—	903	—	235	180

* Dimensões em mm

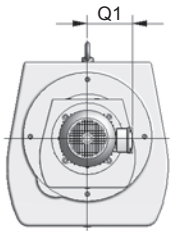


Fixação por flange - F__

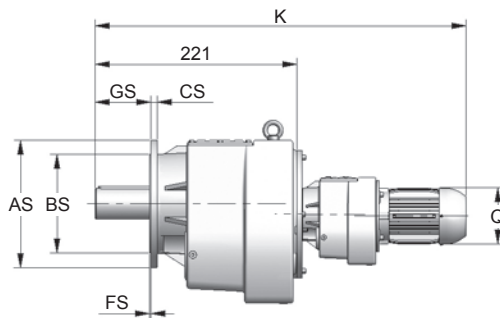
Duplex

Dimensões

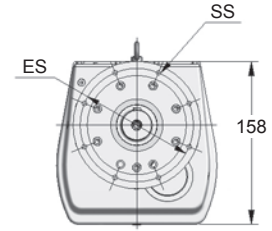
Tamanho **51**



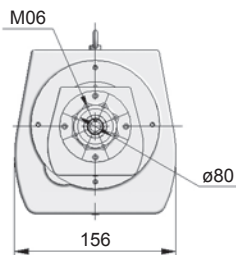
Vista frontal do motor



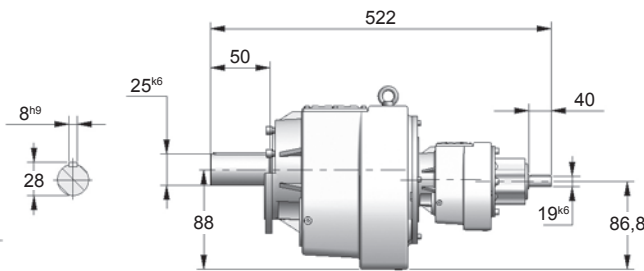
Entrada motor Weg tipo 1



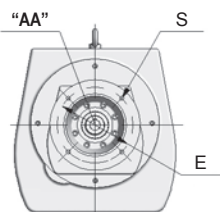
Vista lado da saída



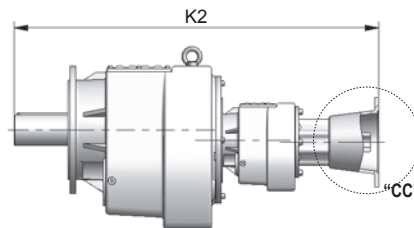
Vista lado da entrada



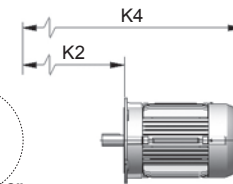
Entrada eixo integral



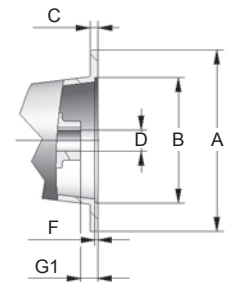
Detalhe "AA"



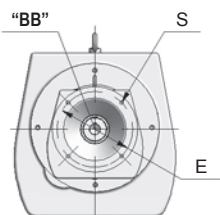
Entrada flange lanterna



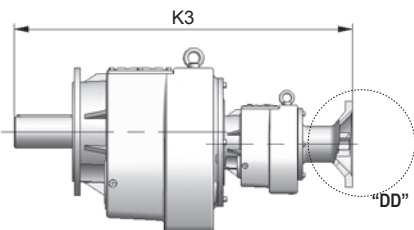
Entrada flange lanterna + motor standard*



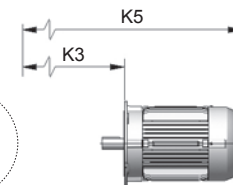
Detalhe "CC"



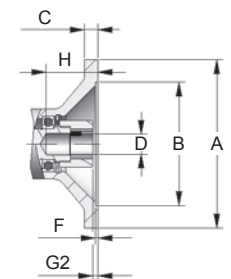
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída												
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	556	476,5	10	12,8	4	632	749	669,5	124	113	A	120	80 ^{H7}	8	100	3	50	6,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	557	476,5	10	16,3	5	664	775	694,5	139	121	B	140	95 ^{H7}	9	115	3	50	8,5	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	574	515	12	21,8	6	691	810	751	157	130	C	160	110 ^{H7}	10	130	3,5	50	8,5	
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	574	515	12	27,3	8	713	828	769	177	150	D	200	130 ^{H7}	12	165	3,5	50	11	
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	574	515	12	27,3	8	738	853	794	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	586	—	15	31,3	8	790	902	—	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	586	—	15	31,3	8	—	919	—	235	180									

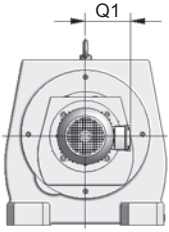
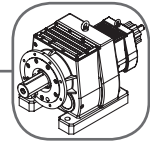
* Dimensões em mm

Dimensões

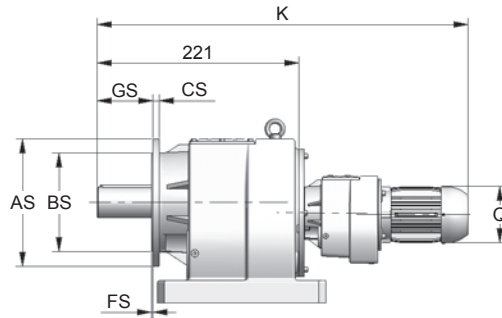
Tamanho **51**

Fixação por pés e flange - G₁

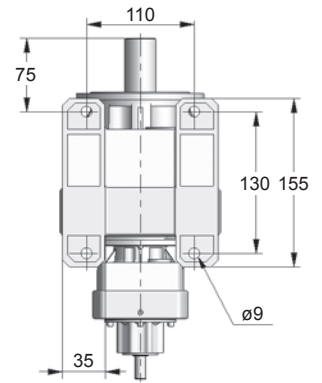
Duplex



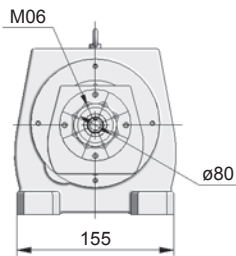
Vista frontal do motor



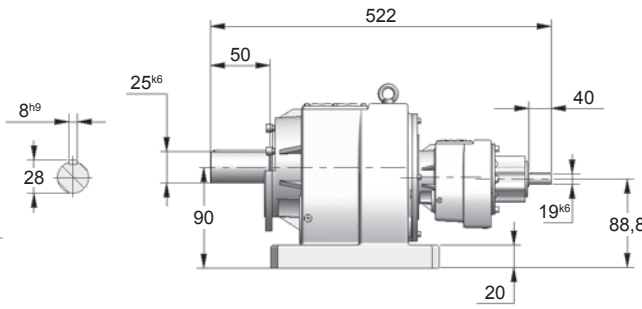
Entrada motor Weg tipo 1



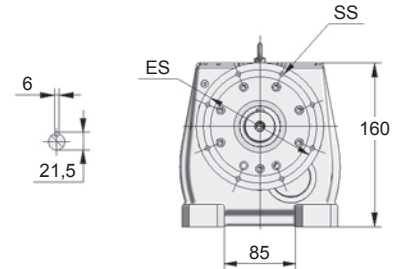
Detalhe dos pés



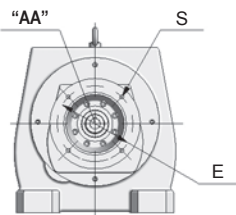
Vista lado da entrada



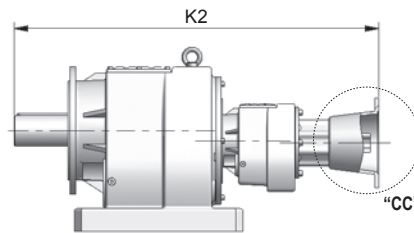
Entrada eixo integral



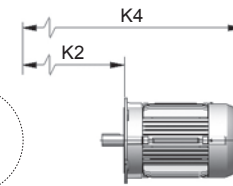
Vista lado da saída



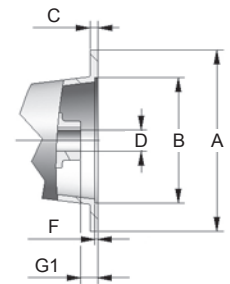
Detalhe "AA"



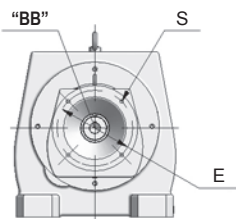
Entrada flange lanterna



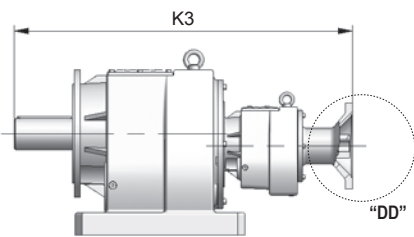
Entrada flange lanterna + motor standard*



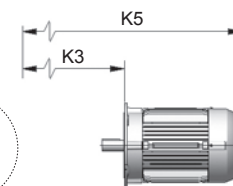
Detalhe "CC"



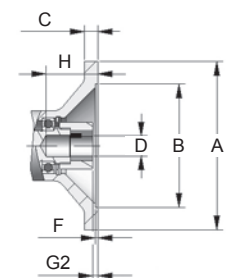
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

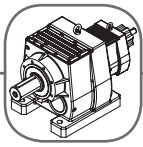


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída												
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	556	476,5	10	12,8	4	632	749	669,5	124	113	A	120	80 ^{I7}	8	100	3	50	6,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	557	476,5	10	16,3	5	664	775	694,5	139	121	B	140	95 ^{I7}	9	115	3	50	8,5	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	574	515	12	21,8	6	691	810	751	157	130	C	160	110 ^{I7}	10	130	3,5	50	8,5	
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	574	515	12	27,3	8	713	828	769	177	150	D	200	130 ^{I7}	12	165	3,5	50	11	
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	574	515	12	27,3	8	738	853	794	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	586	—	15	31,3	8	790	902	—	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	586	—	15	31,3	8	—	919	—	235	180									

* Dimensões em mm

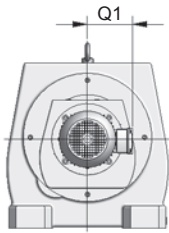


Fixação por pés - N

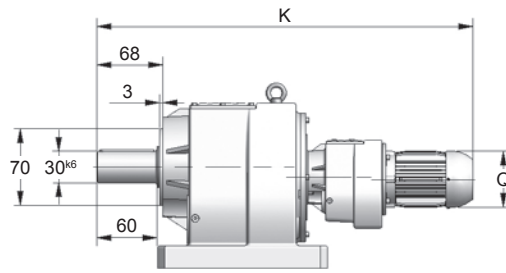
Duplex

Dimensões

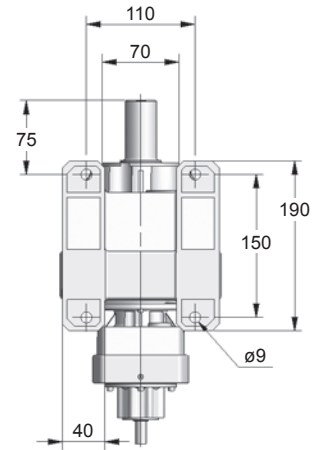
Tamanho **52**



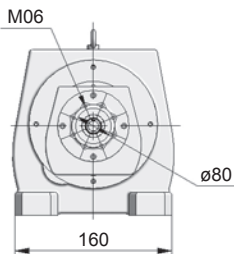
Vista frontal do motor



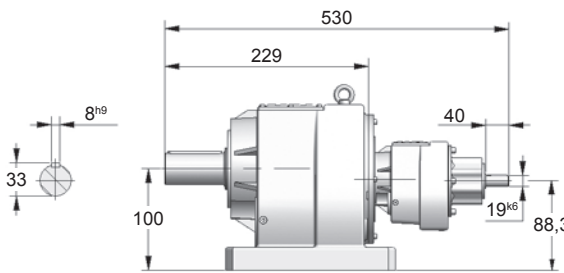
Entrada motor Weg tipo 1



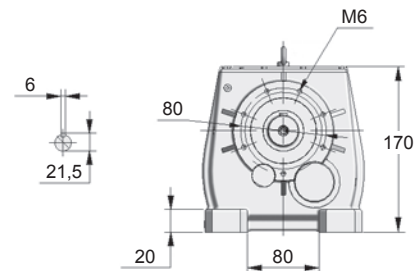
Detalhe dos pés



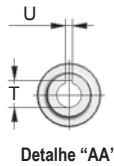
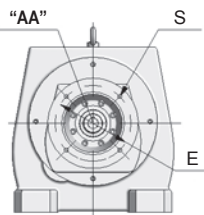
Vista lado da entrada



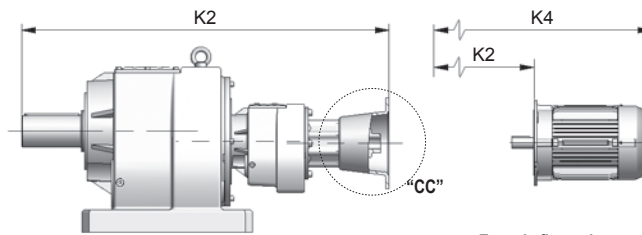
Entrada eixo integral



Vista lado da saída

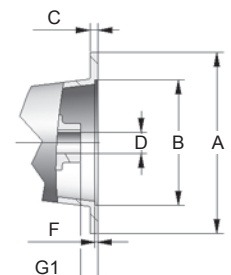


Detalhe "AA"

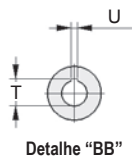
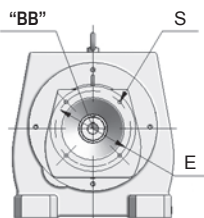


Entrada flange lanterna

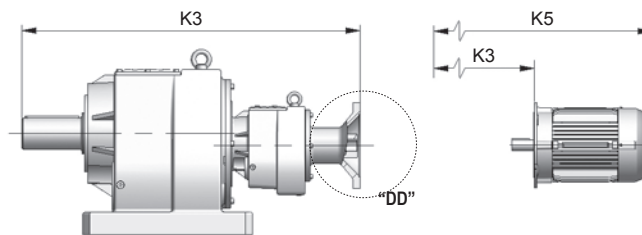
Entrada flange lanterna + motor standard*



Detalhe "CC"

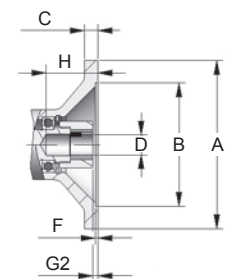


Detalhe "BB"



Entrada flange KTR

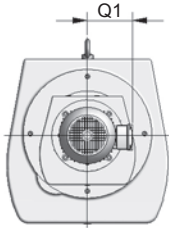
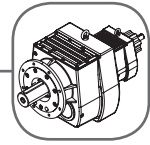
Entrada flange KTR + motor standard*



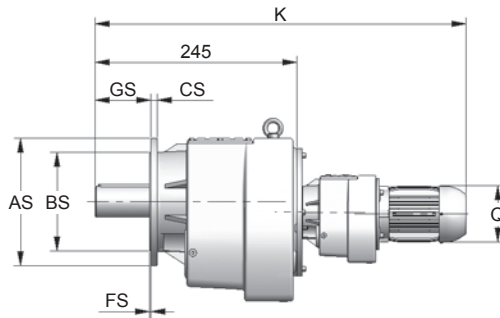
Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	564	484,5	10	12,8	4	640	757	677,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	565	484,5	10	16,3	5	672	783	702,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	582	523	12	21,8	6	699	818	759	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	582	523	12	27,3	8	721	836	777	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	582	523	12	27,3	8	746	861	802	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	594	—	15	31,3	8	798	910	—	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	594	—	15	31,3	8	—	927	—	235	180

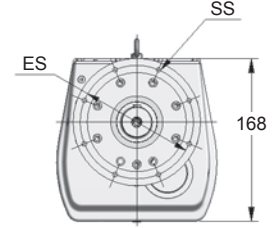
* Dimensões em mm



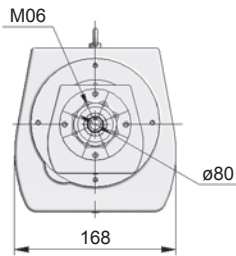
Vista frontal do motor



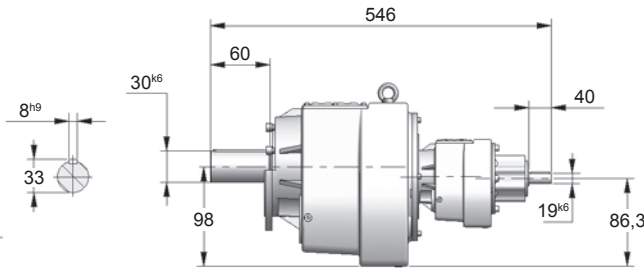
Entrada motor Weg tipo 1



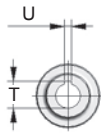
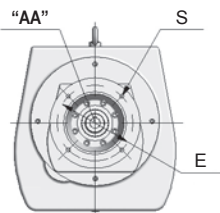
Vista lado da saída



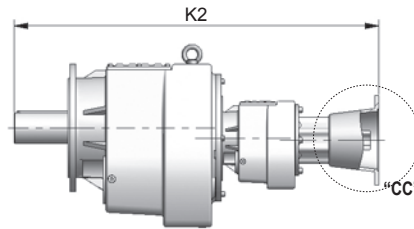
Vista lado da entrada



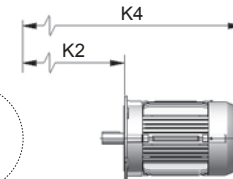
Entrada eixo integral



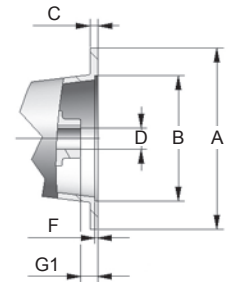
Detalhe "AA"



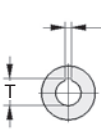
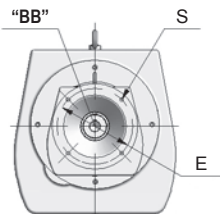
Entrada flange lanterna



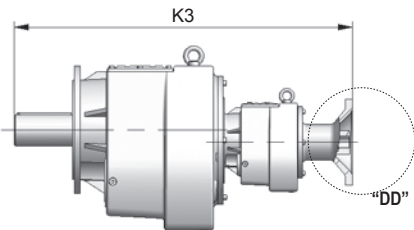
Entrada flange lanterna + motor standard*



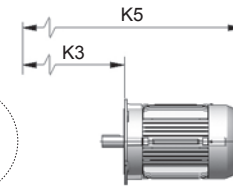
Detalhe "CC"



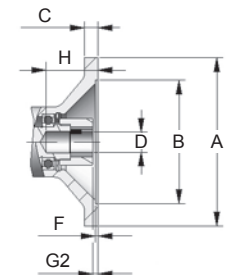
Detalhe "BB"



Entrada flange KTR



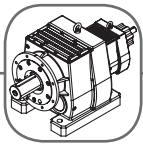
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	580	500,5	10	12,8	4	656	773	693,5	124	113	A	120	80 ^{I7}	8	100	3	50	6,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	581	500,5	10	16,3	5	688	799	718,5	139	121	B	140	95 ^{I7}	9	115	3	50	8,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	598	539	12	21,8	6	715	834	775	157	130	C	160	110 ^{I7}	10	130	3,5	50	8,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	598	539	12	27,3	8	737	852	793	177	150	D	200	130 ^{I7}	12	165	3,5	50	11
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	598	539	12	27,3	8	762	877	818	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	610	—	15	31,3	8	814	926	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	610	—	15	31,3	8	—	943	—	235	180								

* Dimensões em mm

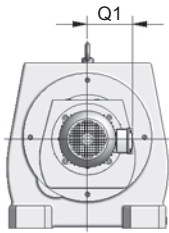


Fixação por pés e flange - G _ _

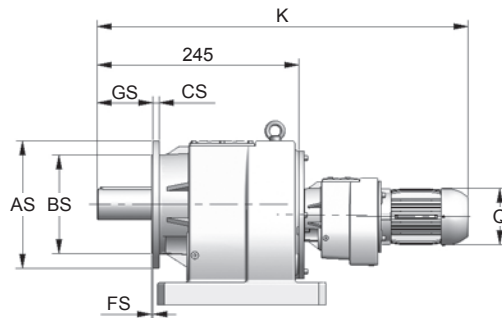
Duplex

Dimensões

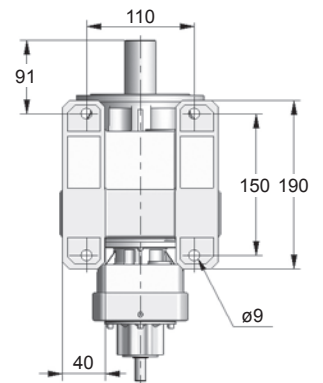
Tamanho **52**



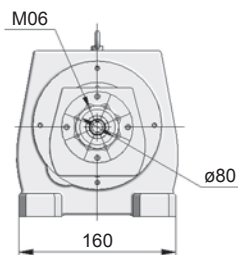
Vista frontal do motor



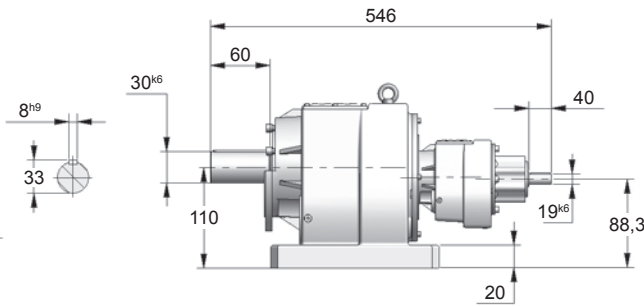
Entrada motor Weg tipo 1



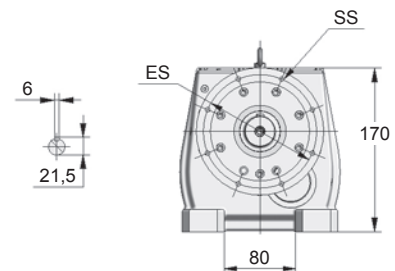
Detalhe dos pés



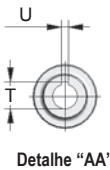
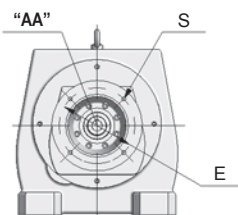
Vista lado da entrada



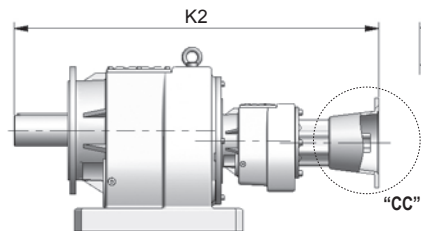
Entrada eixo integral



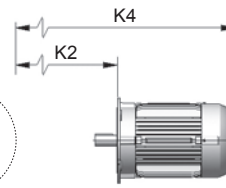
Vista lado da saída



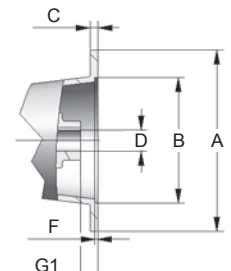
Detalhe "AA"



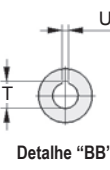
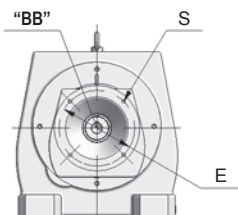
Entrada flange lanterna



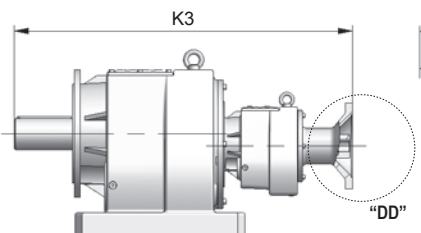
Entrada flange lanterna + motor standard*



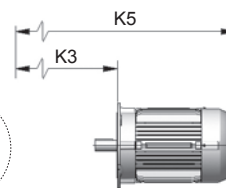
Detalhe "CC"



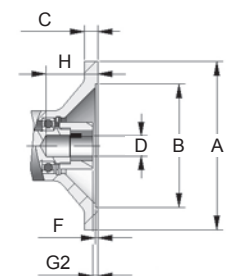
Detalhe "BB"



Entrada flange KTR



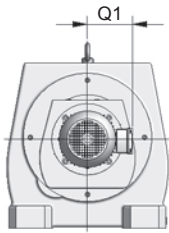
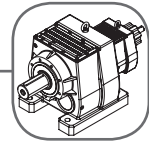
Entrada flange KTR + motor standard*



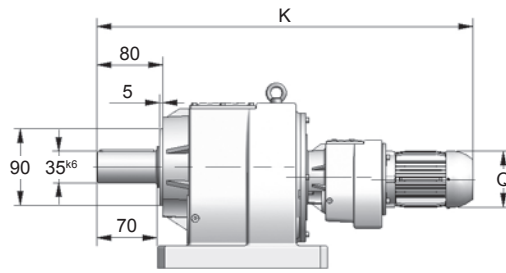
Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico				Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	580	500,5	10	12,8	4	656	773	693,5	124	113	A	120	80 ^{H7}	8	100	3	50	6,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	581	500,5	10	16,3	5	688	799	718,5	139	121	B	140	95 ^{H7}	9	115	3	50	8,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	598	539	12	21,8	6	715	834	775	157	130	C	160	110 ^{H7}	10	130	3,5	50	8,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	598	539	12	27,3	8	737	852	793	177	150	D	200	130 ^{H7}	12	165	3,5	50	11
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	598	539	12	27,3	8	762	877	818	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	610	—	—	15	31,3	8	814	926	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	610	—	—	15	31,3	8	—	943	—	235	180								

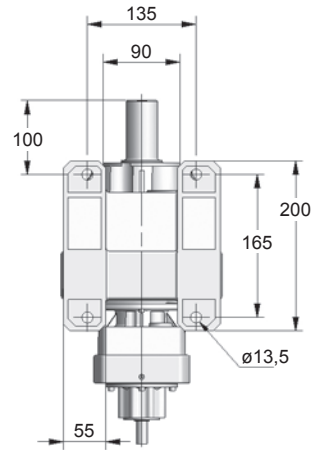
* Dimensões em mm



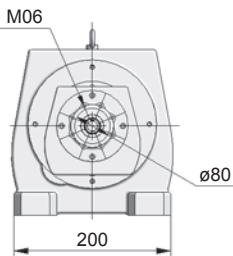
Vista frontal do motor



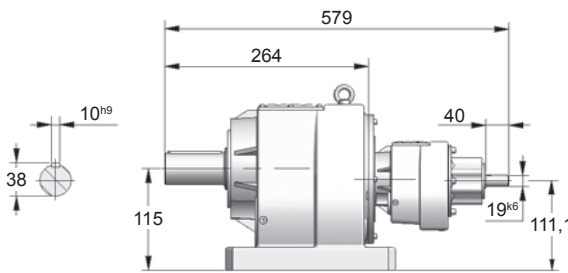
Entrada motor Weg tipo 1



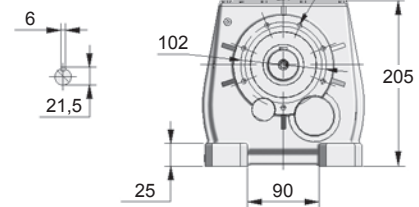
Detalhe dos pés



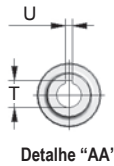
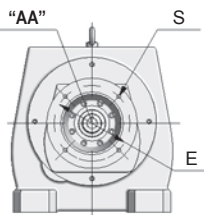
Vista lado da entrada



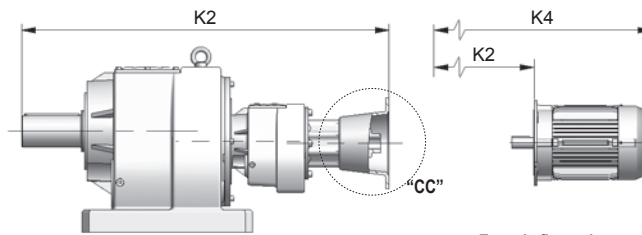
Entrada eixo integral



Vista lado da saída

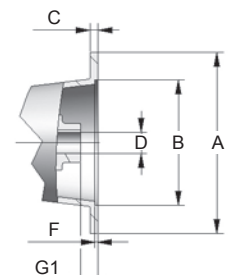


Detalhe "AA"

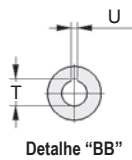
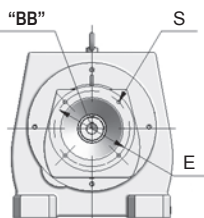


Entrada flange lanterna

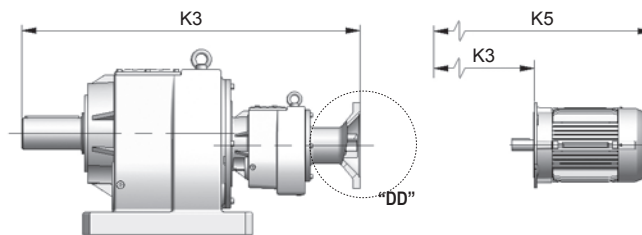
Entrada flange lanterna + motor standard*



Detalhe "CC"

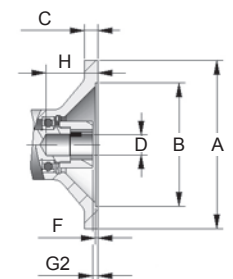


Detalhe "BB"



Entrada flange KTR

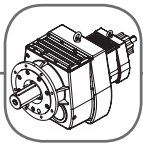
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	613	533,5	10	12,8	4	689	806	726,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	614	533,5	10	16,3	5	721	832	751,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	631	572	12	21,8	6	748	867	808	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	631	572	12	27,3	8	770	885	826	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	631	572	12	27,3	8	795	910	851	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	643	—	15	31,3	8	847	959	—	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	643	—	15	31,3	8	—	976	—	235	180

* Dimensões em mm

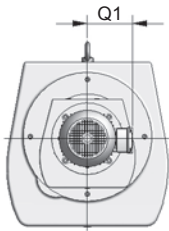


Fixação por flange - F__

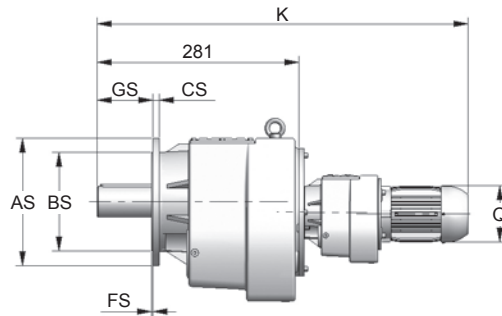
Duplex

Dimensões

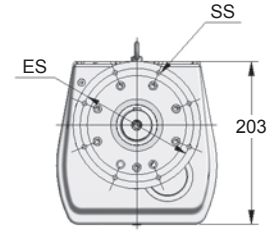
Tamanho **54**



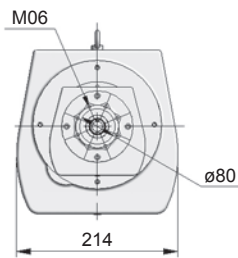
Vista frontal do motor



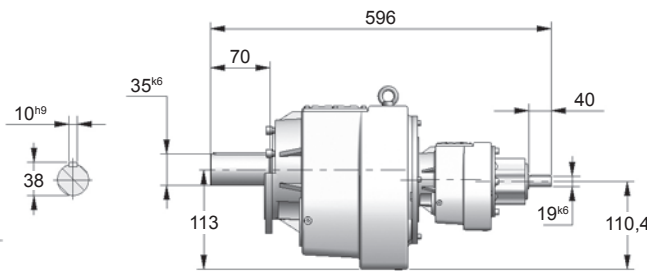
Entrada motor Weg tipo 1



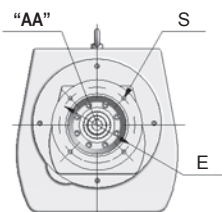
Vista lado da saída



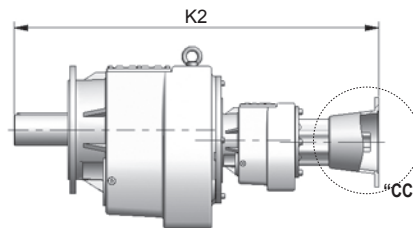
Vista lado da entrada



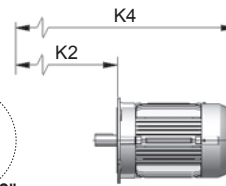
Entrada eixo integral



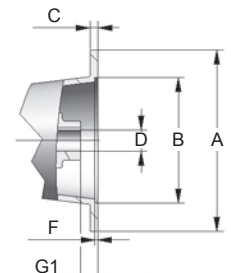
Detalhe "AA"



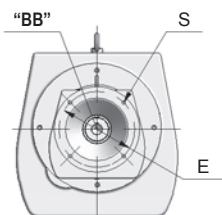
Entrada flange lanterna



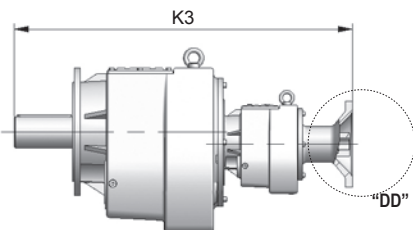
Entrada flange lanterna + motor standard*



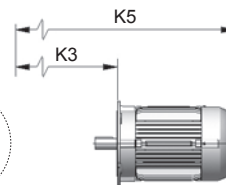
Detalhe "CC"



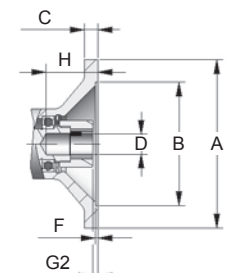
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico				Flange de saída													
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	630	550,5	10	12,8	4	706	823	743,5	124	113	C	160	110 ^{H7}	12	130	3,5	70	8,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	631	550,5	10	16,3	5	738	849	768,5	139	121	D	200	130 ^{H7}	12	165	3,5	70	11	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	648	589	12	21,8	6	765	884	825	157	130	E	250	180 ^{H7}	15	215	4	70	13,5	
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	648	589	12	27,3	8	787	902	843	177	150									
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	648	589	12	27,3	8	812	927	868	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	660	—	15	31,3	8	864	976	—	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	660	—	15	31,3	8	—	993	—	235	180									

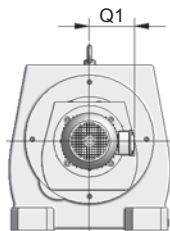
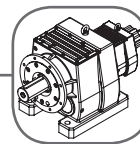
* Dimensões em mm

Dimensões

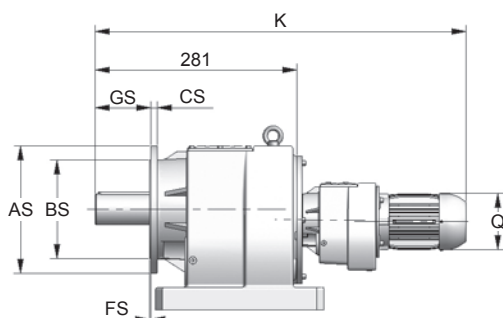
Tamanho **54**

Fixação por pés e flange - G..._

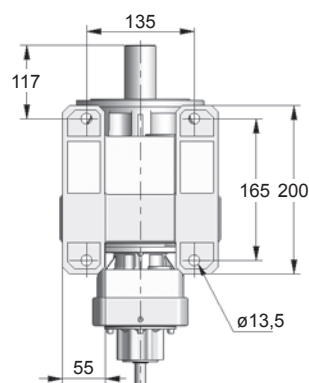
Duplex



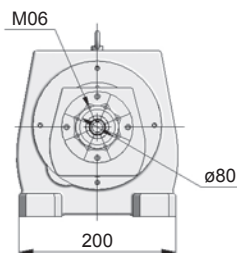
Vista frontal do motor



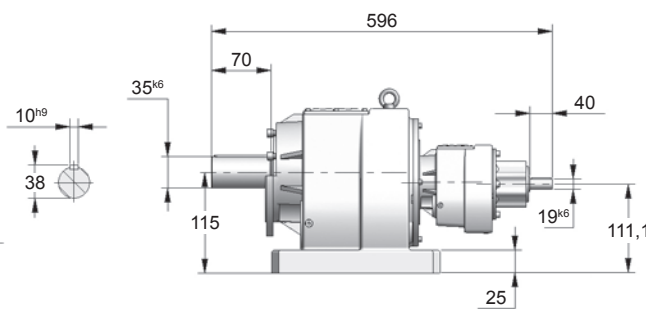
Entrada motor Weg tipo 1



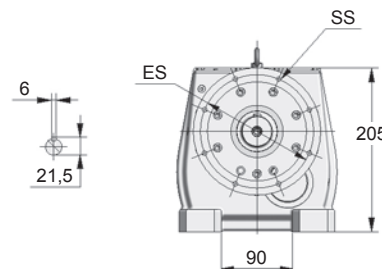
Detalhe dos pés



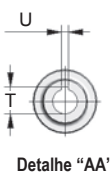
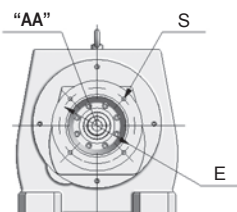
Vista lado da entrada



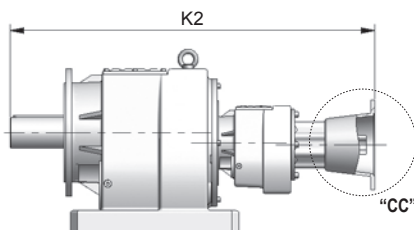
Entrada eixo integral



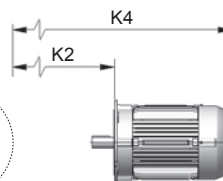
Vista lado da saída



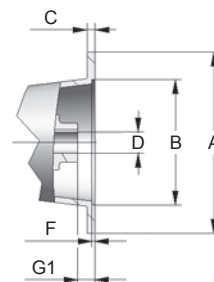
Detalhe "AA"



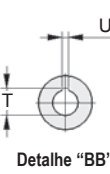
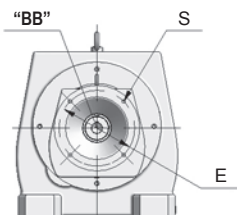
Entrada flange lanterna



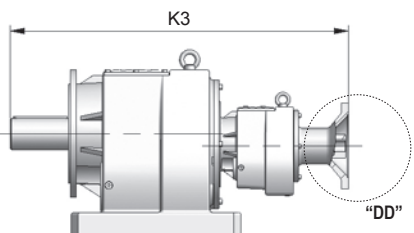
Entrada flange lanterna + motor standard*



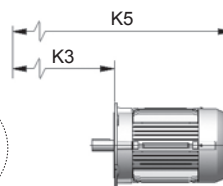
Detalhe "CC"



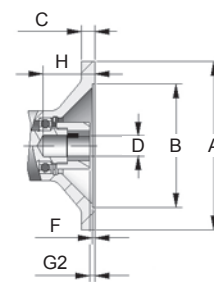
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

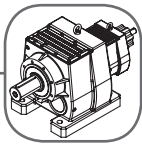


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída												
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	630	550,5	10	12,8	4	706	823	743,5	124	113	C	160	110 ^{H7}	12	130	3,5	70	8,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	631	550,5	10	16,3	5	738	849	768,5	139	121	D	200	130 ^{H7}	12	165	3,5	70	11	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	648	589	12	21,8	6	765	884	825	157	130	E	250	180 ^{H7}	15	215	4	70	13,5	
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	648	589	12	27,3	8	787	902	843	177	150									
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	648	589	12	27,3	8	812	927	868	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	660	—	15	31,3	8	864	976	—	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	660	—	15	31,3	8	—	993	—	235	180									

* Dimensões em mm

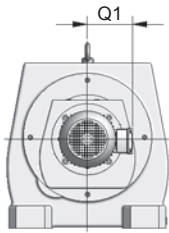


Fixação por pés - N

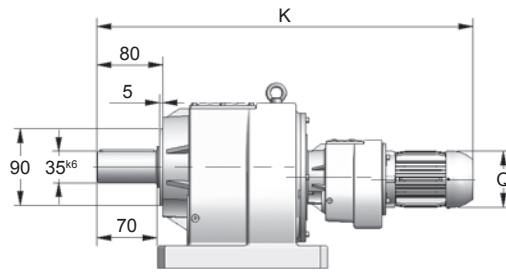
Duplex

Dimensões

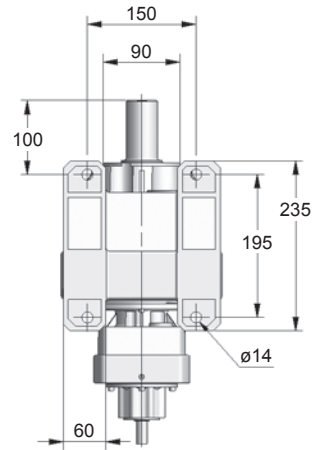
Tamanho **55**



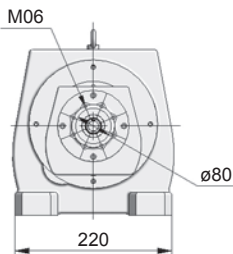
Vista frontal do motor



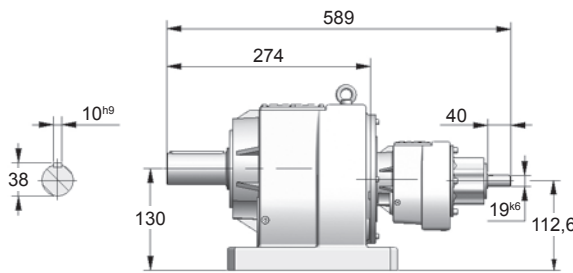
Entrada motor Weg tipo 1



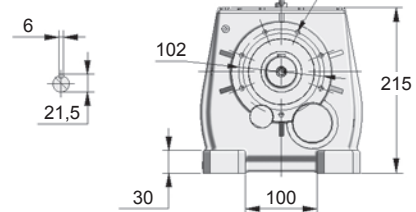
Detalhe dos pés



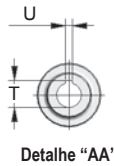
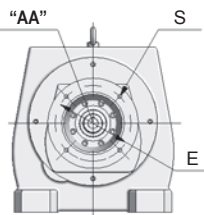
Vista lado da entrada



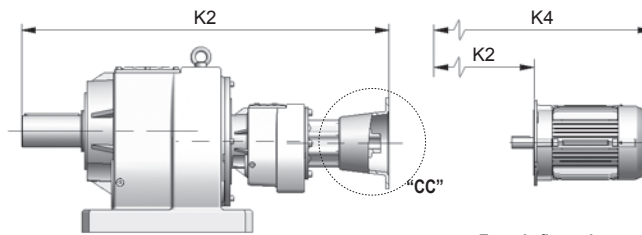
Entrada eixo integral



Vista lado da saída

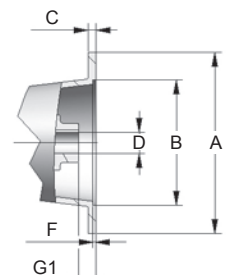


Detalhe "AA"

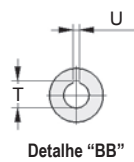
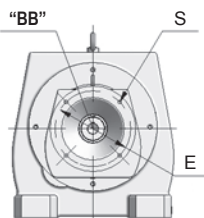


Entrada flange lanterna

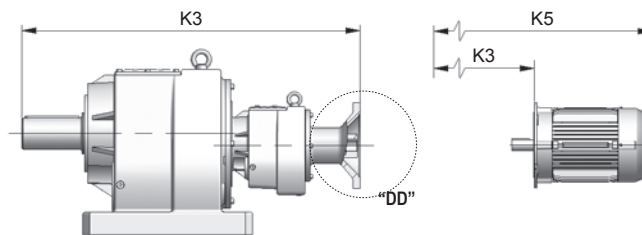
Entrada flange lanterna + motor standard*



Detalhe "CC"

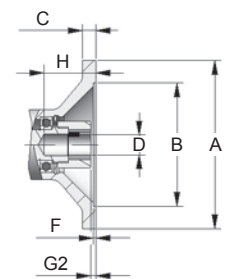


Detalhe "BB"



Entrada flange KTR

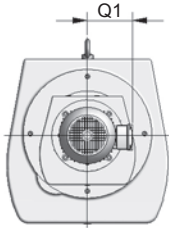
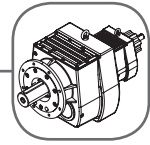
Entrada flange KTR + motor standard*



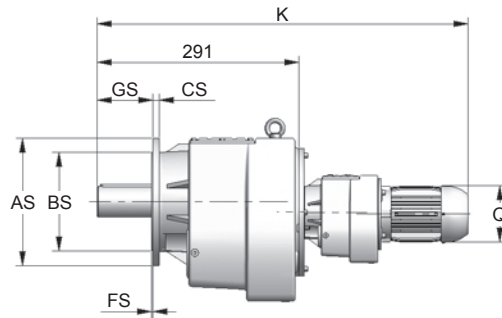
Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	623	543,5	10	12,8	4	699	816	736,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	624	543,5	10	16,3	5	731	842	761,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	641	582	12	21,8	6	758	877	818	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	641	582	12	27,3	8	780	895	836	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	641	582	12	27,3	8	805	920	861	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	653	—	15	31,3	8	857	969	—	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	653	—	15	31,3	8	—	986	—	235	180

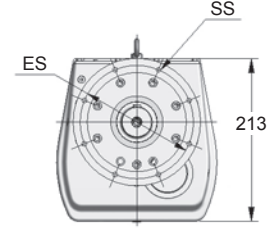
* Dimensões em mm



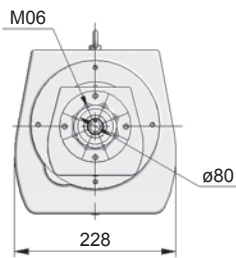
Vista frontal do motor



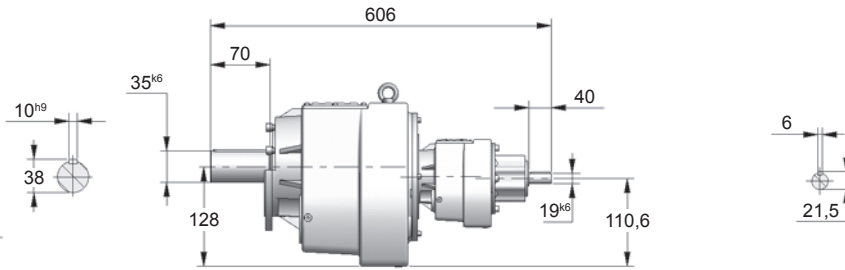
Entrada motor Weg tipo 1



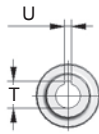
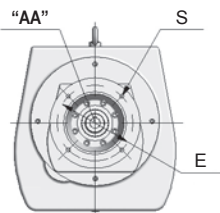
Vista lado da saída



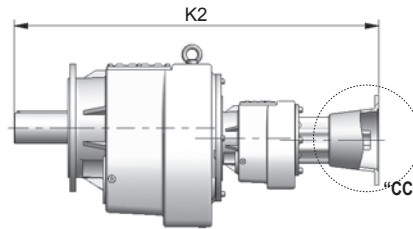
Vista lado da entrada



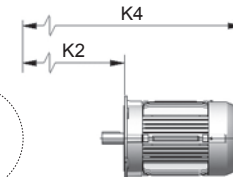
Entrada eixo integral



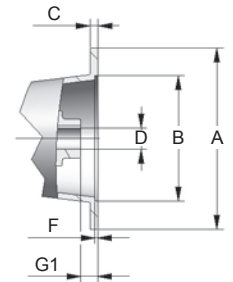
Detalhe "AA"



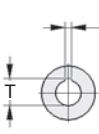
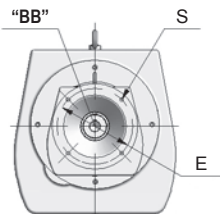
Entrada flange lanterna



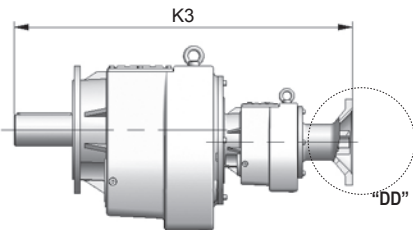
Entrada flange lanterna + motor standard*



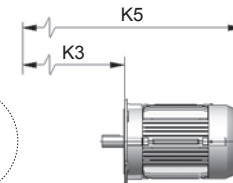
Detalhe "CC"



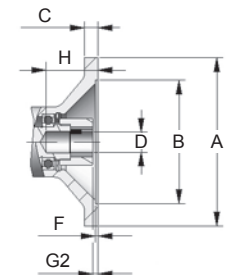
Detalhe "BB"



Entrada flange KTR



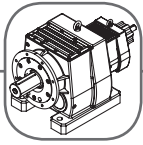
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída													
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS		
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	640	560,5	10	12,8	4	716	833	753,5	124	113	D	200	130 ^{H7}	12	165	3,5	70	11		
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	641	560,5	10	16,3	5	748	859	778,5	139	121	E	250	180 ^{H7}	15	215	4	70	13,5		
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	658	599	12	21,8	6	775	894	835	157	130										
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	599	12	27,3	8	797	912	853	177	150										
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	599	12	27,3	8	822	937	878	177	150										
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	670	—	15	31,3	8	874	986	—	198	160										
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	670	—	15	31,3	8	—	1003	—	235	180										

* Dimensões em mm

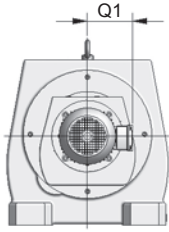


Fixação por pés e flange - G _ _

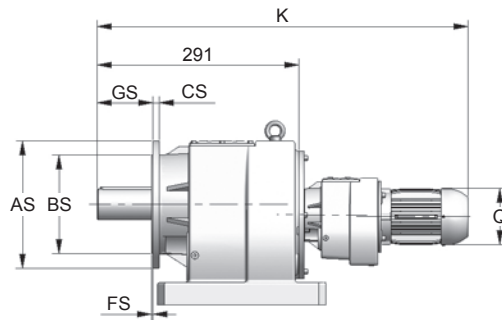
Duplex

Dimensões

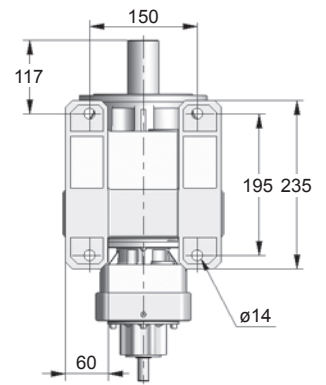
Tamanho **55**



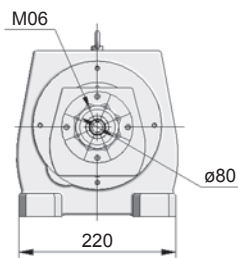
Vista frontal do motor



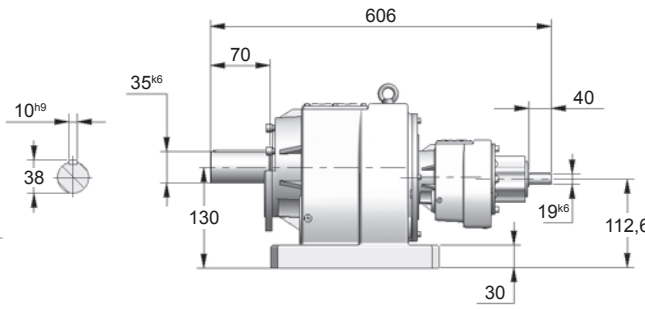
Entrada motor Weg tipo 1



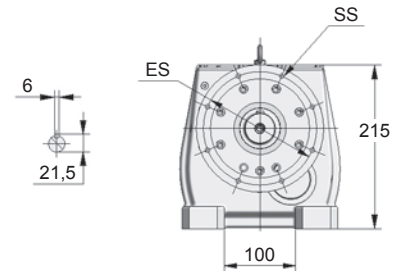
Detalhe dos pés



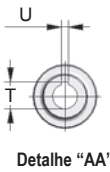
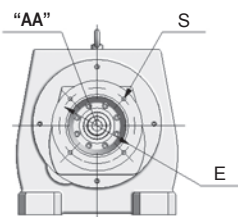
Vista lado da entrada



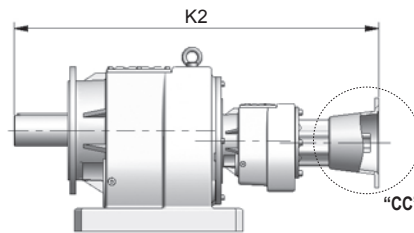
Entrada eixo integral



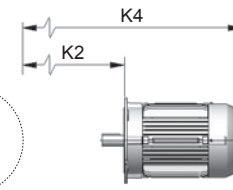
Vista lado da saída



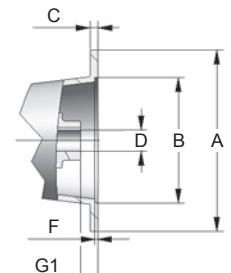
Detalhe "AA"



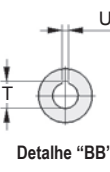
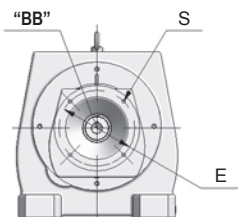
Entrada flange lanterna



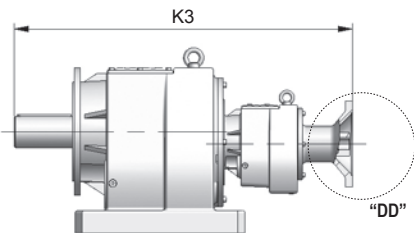
Entrada flange lanterna + motor standard*



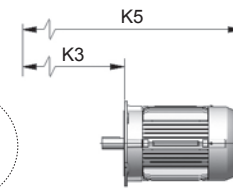
Detalhe "CC"



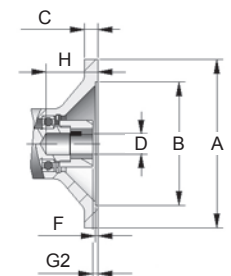
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída												
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	640	560,5	10	12,8	4	716	833	753,5	124	113	D	200	130 ^{J7}	12	165	3,5	70	11	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	641	560,5	10	16,3	5	748	859	778,5	139	121	E	250	180 ^{J7}	15	215	4	70	13,5	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	658	599	12	21,8	6	775	894	835	157	130									
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	599	12	27,3	8	797	912	853	177	150									
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	658	599	12	27,3	8	822	937	878	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	670	—	15	31,3	8	874	986	—	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	670	—	15	31,3	8	—	1003	—	235	180									

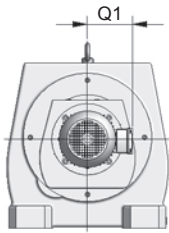
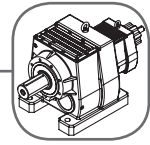
* Dimensões em mm

Dimensões

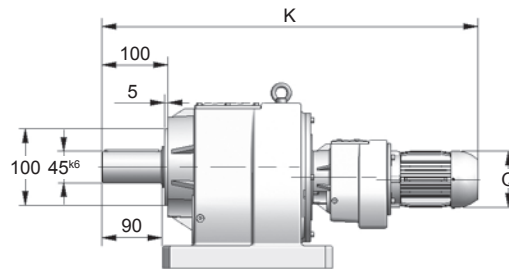
Tamanho **56**

Fixação por pés - N

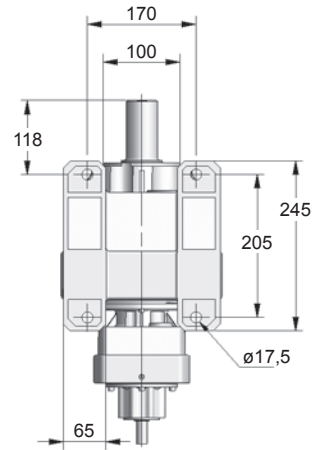
Duplex



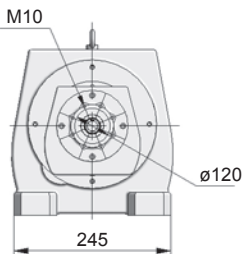
Vista frontal do motor



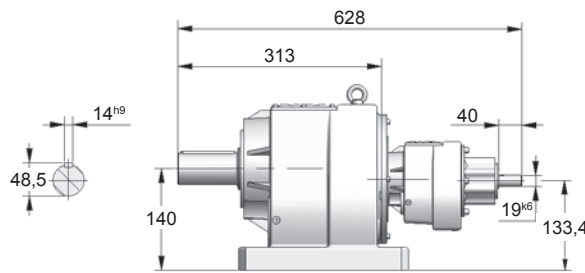
Entrada motor Weg tipo 1



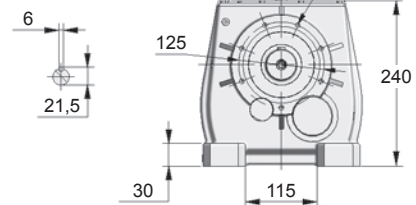
Detalhe dos pés



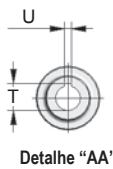
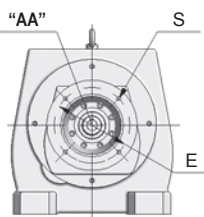
Vista lado da entrada



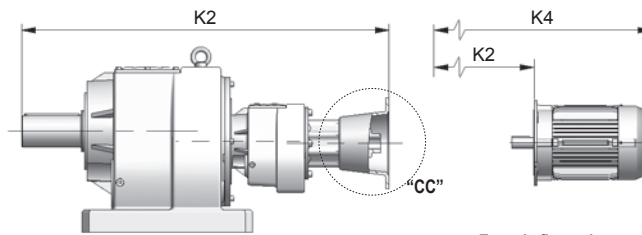
Entrada eixo integral



Vista lado da saída

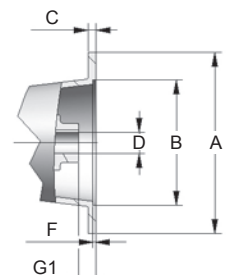


Detalhe "AA"

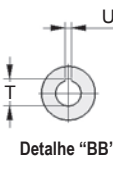
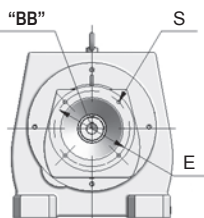


Entrada flange lanterna

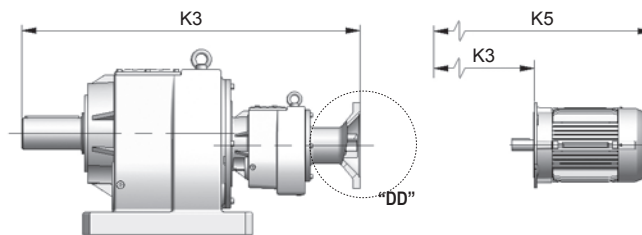
Entrada flange lanterna + motor standard*



Detalhe "CC"

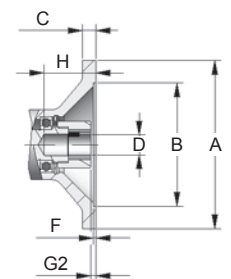


Detalhe "BB"



Entrada flange KTR

Entrada flange KTR + motor standard*



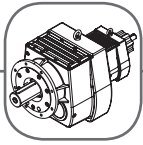
Detalhe "DD"

Flange Lanterna / KTR

Motor Elétrico

Caraça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	662	582,5	10	12,8	4	738	855	775,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	663	582,5	10	16,3	5	770	881	800,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	680	621	12	21,8	6	797	916	857	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	680	621	12	27,3	8	819	934	875	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	680	621	12	27,3	8	844	959	900	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	692	—	15	31,3	8	896	1008	—	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	692	—	15	31,3	8	—	1025	—	235	180

* Dimensões em mm

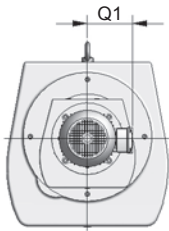


Fixação por flange - F__

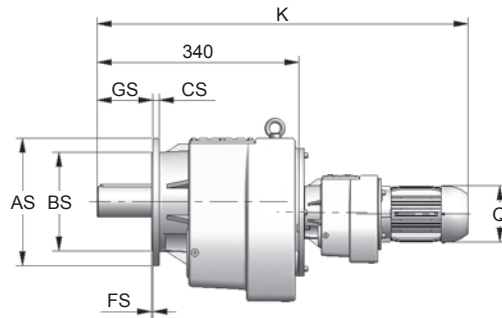
Duplex

Dimensões

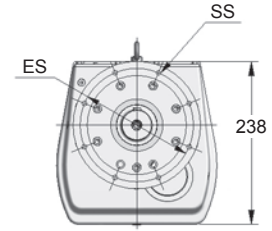
Tamanho **56**



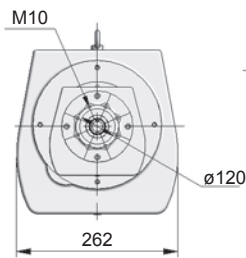
Vista frontal do motor



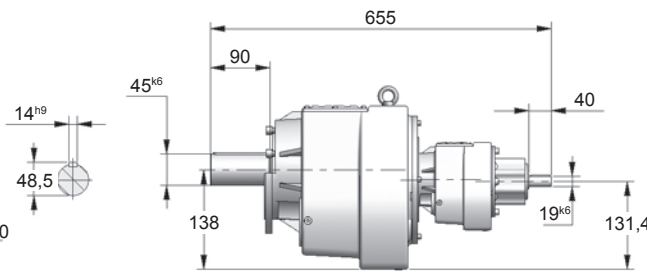
Entrada motor Weg tipo 1



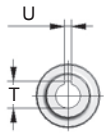
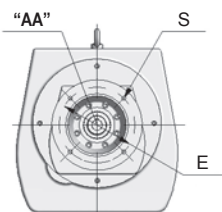
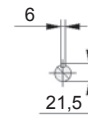
Vista lado da saída



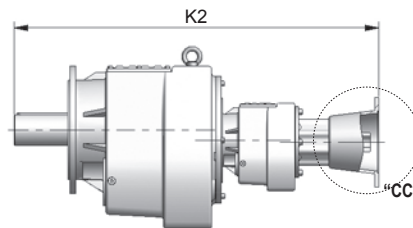
Vista lado da entrada



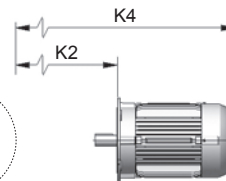
Entrada eixo integral



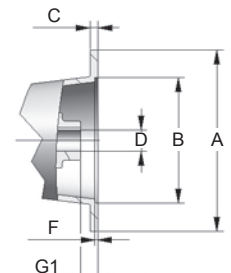
Detalhe "AA"



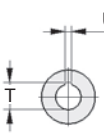
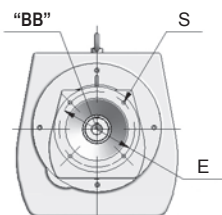
Entrada flange lanterna



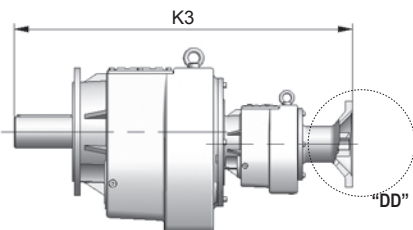
Entrada flange lanterna + motor standard*



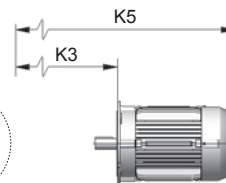
Detalhe "CC"



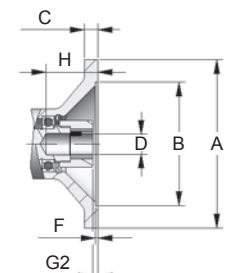
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	11	115	4	0	1	25	689	609,5	10	12,8	4	765	882	802,5	124	113	E	250	180 ^{H7}	15	215	4	90	13,5
71	160	110 ^{H7}	14	14	130	4	0,5	1	34	690	609,5	10	16,3	5	797	908	827,5	139	121	F	300	230 ^{H7}	18	265	4	90	13,5
80	200	130 ^{H7}	15	19	165	4	10	1	44	707	648	12	21,8	6	824	943	884	157	130								
90S	200	130 ^{H7}	15	24	165	4	10	1	52	707	648	12	27,3	8	846	961	902	177	150								
90L	200	130 ^{H7}	15	24	165	4	10	1	52	707	648	12	27,3	8	871	986	927	177	150								
100	250	180 ^{H7}	16	28	215	5	20	—	—	719	—	15	31,3	8	923	1035	—	198	160								
112	250	180 ^{H7}	16	28	215	5	20	—	—	719	—	15	31,3	8	—	1052	—	235	180								

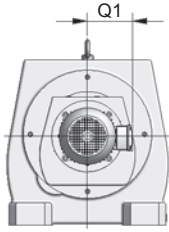
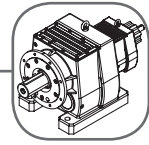
* Dimensões em mm

Dimensões

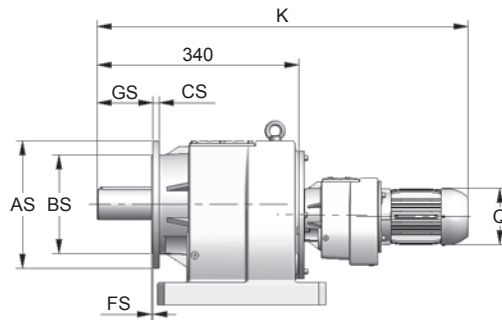
Tamanho **56**

Fixação por pés e flange - G₁

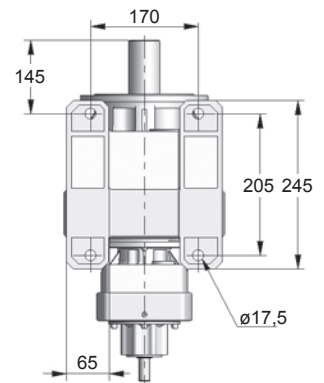
Duplex



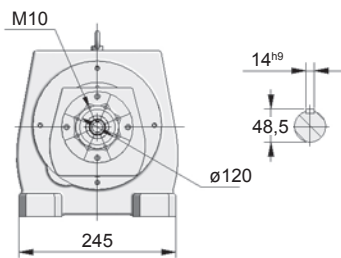
Vista frontal do motor



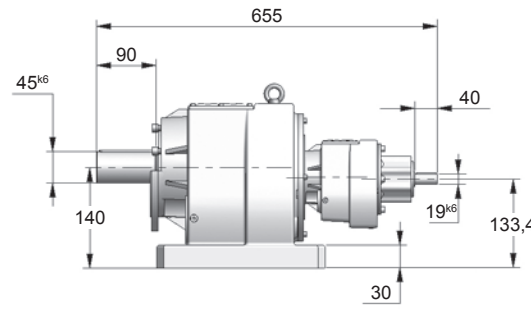
Entrada motor Weg tipo 1



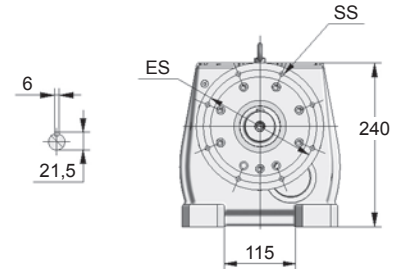
Detalhe dos pés



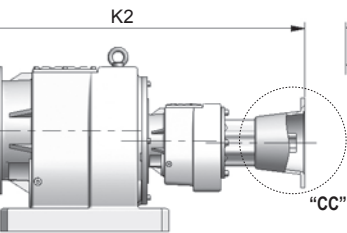
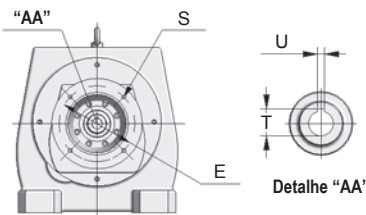
Vista lado da entrada



Entrada eixo integral

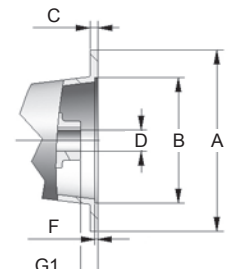


Vista lado da saída

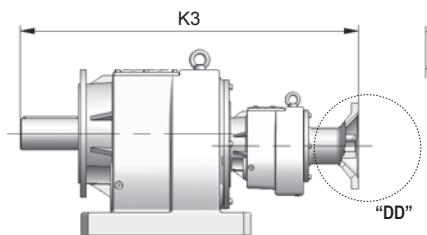
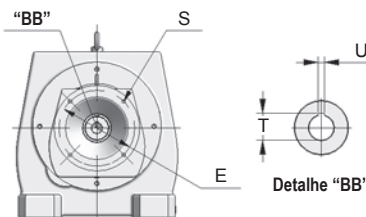


Entrada flange lanterna

Entrada flange lanterna + motor standard*

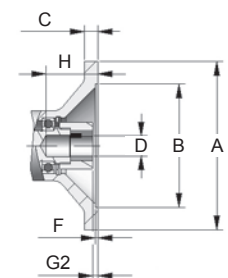


Detalhe "CC"



Entrada flange KTR

Entrada flange KTR + motor standard*



Detalhe "DD"

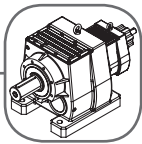
Flange Lanterna / KTR

Motor Elétrico

Flange de saída

Caraça	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	689	609,5	10	12,8	4	765	882	802,5	124	113	E	250	180 ^{H7}	15	215	4	90	13,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	690	609,5	10	16,3	5	797	908	827,5	139	121	F	300	230 ^{H7}	18	265	4	90	13,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	707	648	12	21,8	6	824	943	884	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	707	648	12	27,3	8	846	961	902	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	707	648	12	27,3	8	871	986	927	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	—	—	719	—	15	31,3	8	923	1035	—	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	—	—	719	—	15	31,3	8	—	1052	—	235	180								

* Dimensões em mm

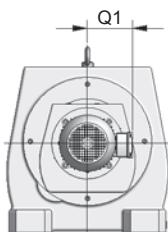


Fixação por pés - N

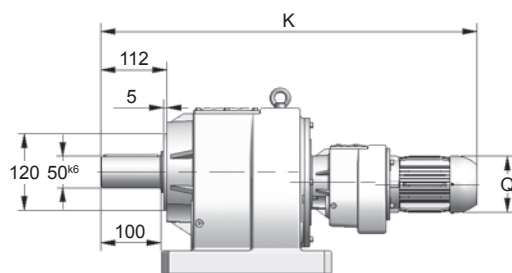
Duplex

Dimensões

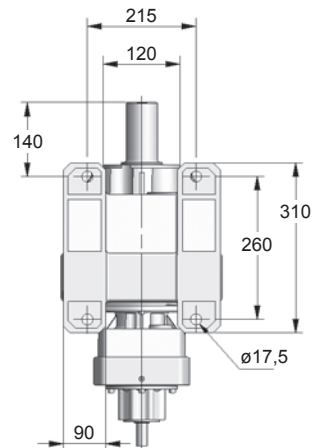
Tamanho **58**



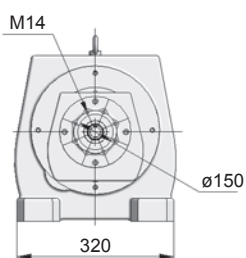
Vista frontal do motor



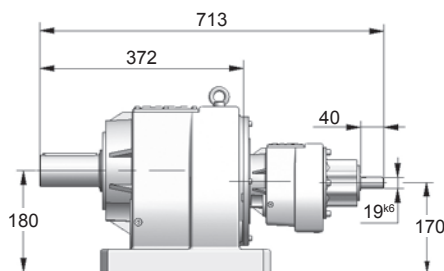
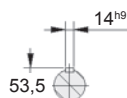
Entrada motor Weg tipo 1



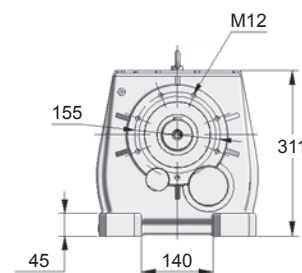
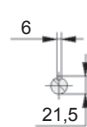
Detalhe dos pés



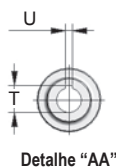
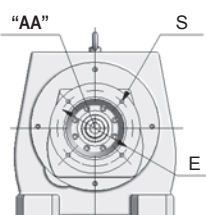
Vista lado da entrada



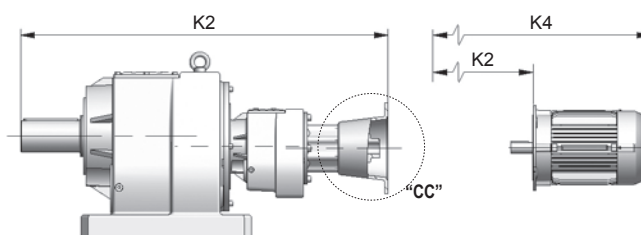
Entrada eixo integral



Vista lado da saída

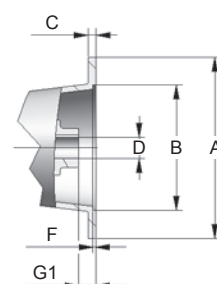


Detalhe "AA"

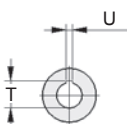
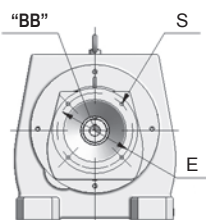


Entrada flange lanterna

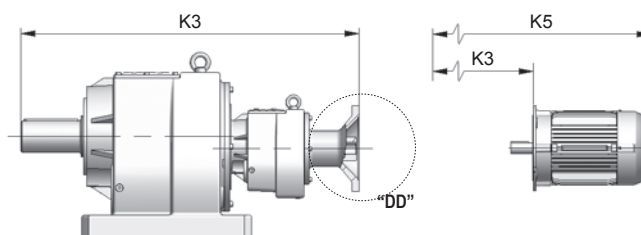
Entrada flange lanterna + motor standard*



Detalhe "CC"

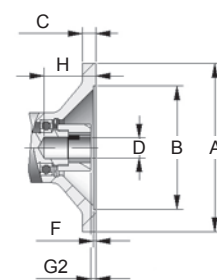


Detalhe "BB"



Entrada flange KTR

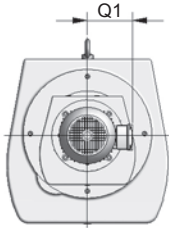
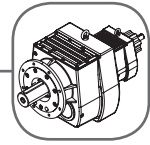
Entrada flange KTR + motor standard*



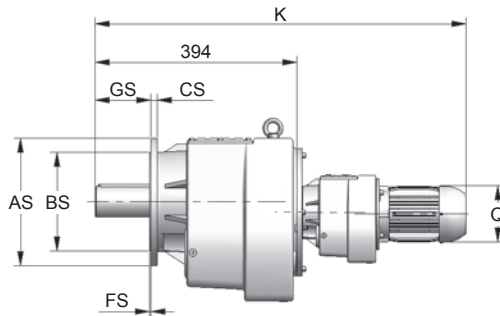
Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	747	661	10	12,8	4	816,5	940	854	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	748	661	10	16,3	5	848,5	966	879	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	765	699,5	12	21,8	6	875,5	1001	935,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	765	699,5	12	27,3	8	897,5	1019	953,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	765	699,5	12	27,3	8	922,5	1044	978,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	777	722	15	31,3	8	972	1093	1038	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	777	722	15	31,3	8	989	1110	1055	235	180
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1075	—	—	274	207
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1113	—	—	274	207

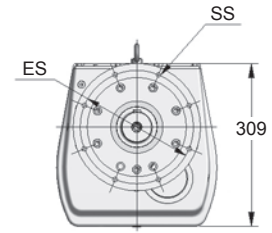
* Dimensões em mm



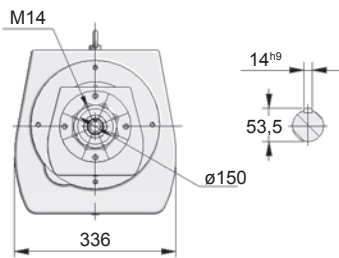
Vista frontal do motor



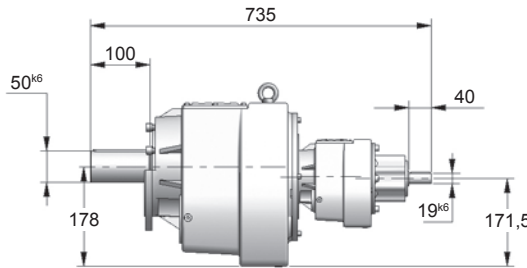
Entrada motor Weg tipo 1



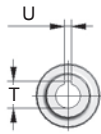
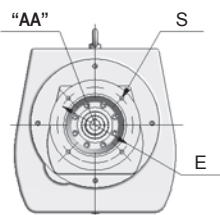
Vista lado da saída



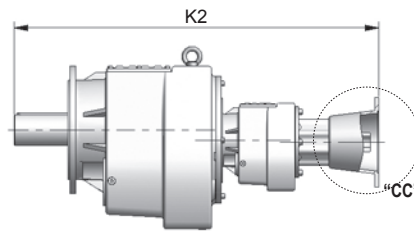
Vista lado da entrada



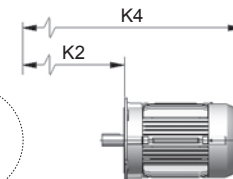
Entrada eixo integral



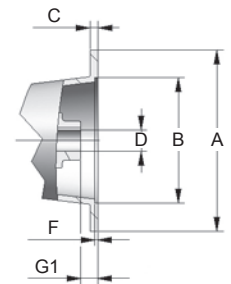
Detalhe "AA"



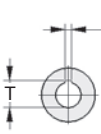
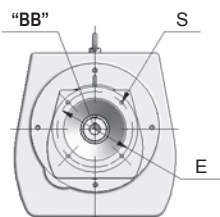
Entrada flange lanterna



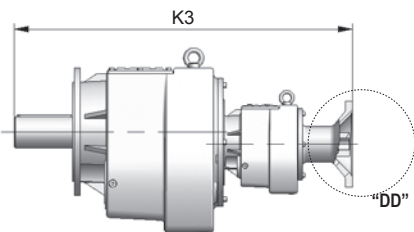
Entrada flange lanterna + motor standard*



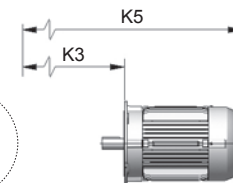
Detalhe "CC"



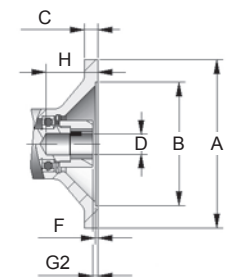
Detalhe "BB"



Entrada flange KTR



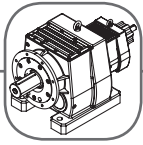
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaca	Flange Lanterna / KTR													Motor Elétrico					Flange de saída								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	769	683	10	12,8	4	838,5	962	876	124	113	F	300	230 ^{H7}	16	265	4	100	13,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	770	683	10	16,3	5	870,5	988	901	139	121	G	350	250 ^{H7}	18	300	5	100	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	787	721,5	12	21,8	6	897,5	1023	957,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	787	721,5	12	27,3	8	919,5	1041	975,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	787	721,5	12	27,3	8	944,5	1066	1000,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	799	744	15	31,3	8	994	1115	1060	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	799	744	15	31,3	8	1011	1132	1077	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1097	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1135	—	—	274	207								

* Dimensões em mm

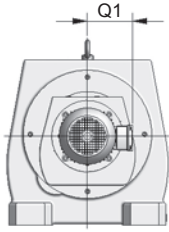


Fixação por pés e flange - G _ _

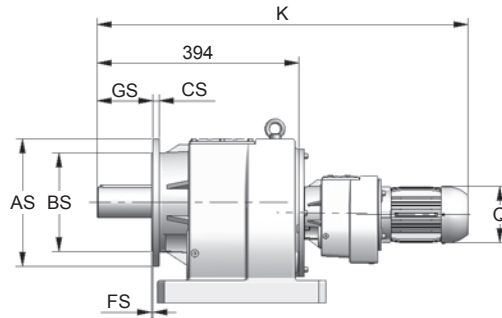
Duplex

Dimensões

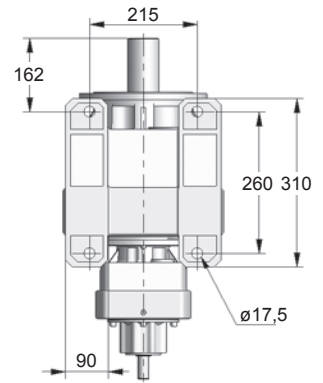
Tamanho **58**



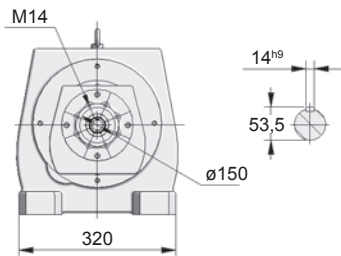
Vista frontal do motor



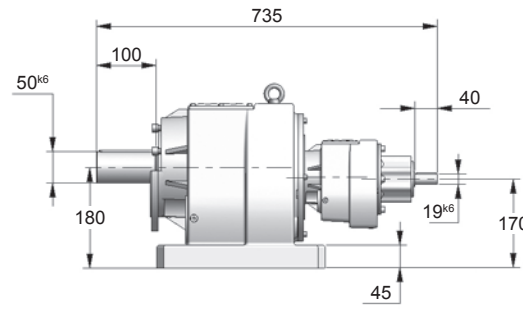
Entrada motor Weg tipo 1



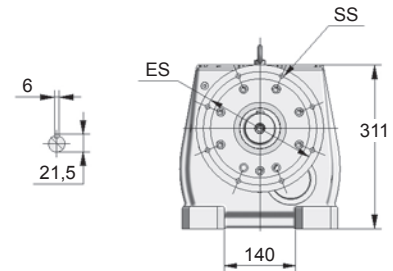
Detalhe dos pés



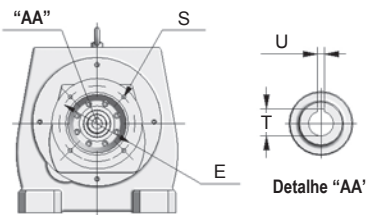
Vista lado da entrada



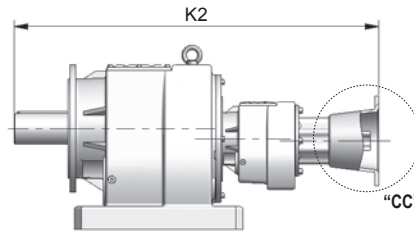
Entrada eixo integral



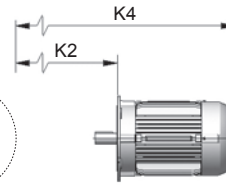
Vista lado da saída



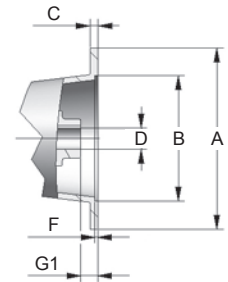
Detalhe "AA"



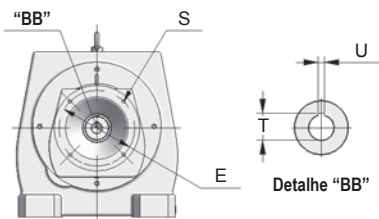
Entrada flange lanterna



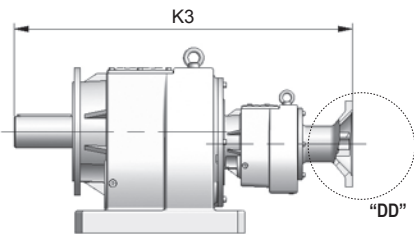
Entrada flange lanterna + motor standard*



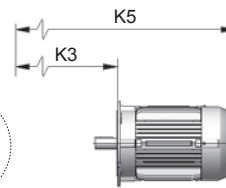
Detalhe "CC"



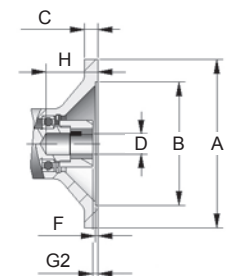
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR														Motor Elétrico					Flange de saída							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	769	683	10	12,8	4	838,5	962	876	124	113	F	300	230 ^{H7}	16	265	4	100	13,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	770	683	10	16,3	5	870,5	988	901	139	121	G	350	250 ^{H7}	18	300	5	100	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	787	721,5	12	21,8	6	897,5	1023	957,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	787	721,5	12	27,3	8	919,5	1041	975,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	787	721,5	12	27,3	8	944,5	1066	1000,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	799	744	15	31,3	8	994	1115	1060	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	799	744	15	31,3	8	1011	1132	1077	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1097	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1135	—	—	274	207								

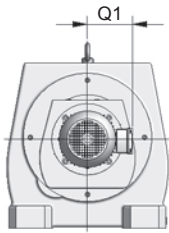
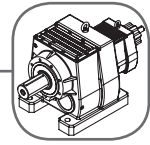
* Dimensões em mm

Dimensões

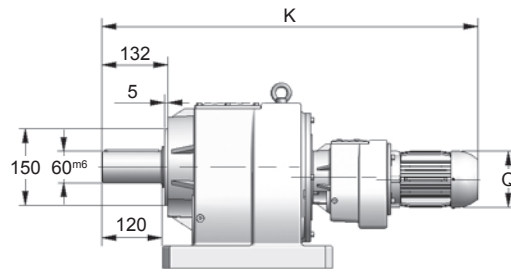
Tamanho **60**

Fixação por pés - N

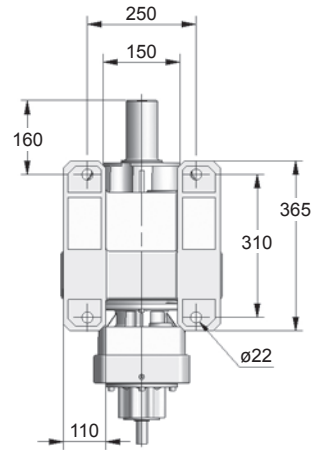
Duplex



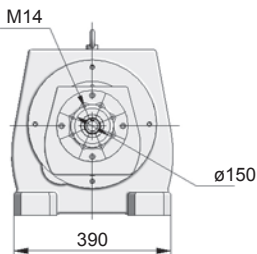
Vista frontal do motor



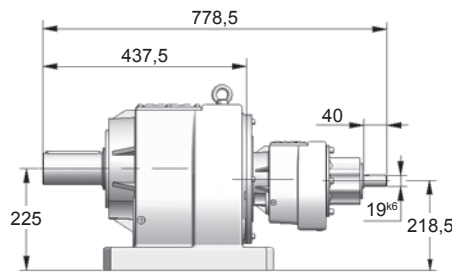
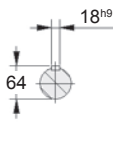
Entrada motor Weg tipo 1



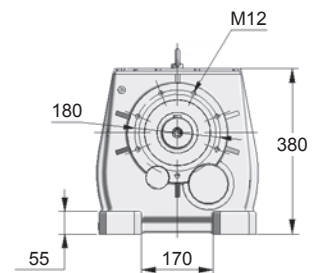
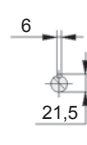
Detalhe dos pés



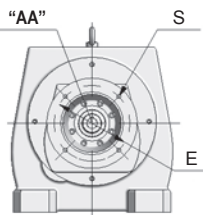
Vista lado da entrada



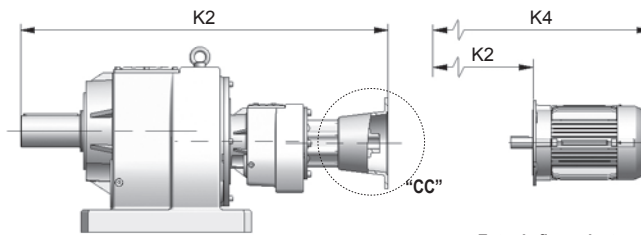
Entrada eixo integral



Vista lado da saída

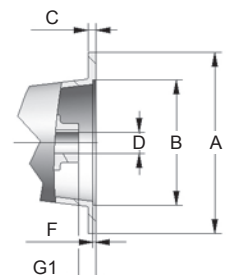


Detalhe "AA"

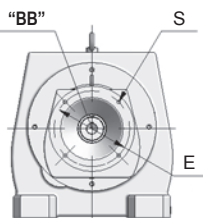


Entrada flange lanterna

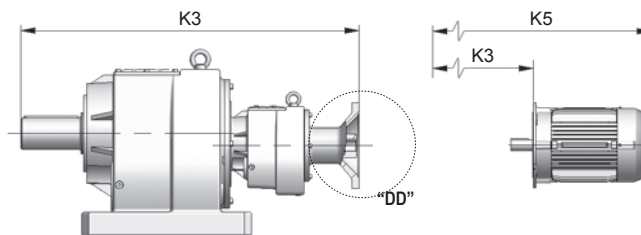
Entrada flange lanterna + motor standard*



Detalhe "CC"

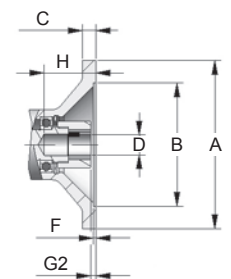


Detalhe "BB"



Entrada flange KTR

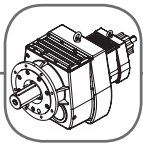
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	812,5	726,5	10	12,8	4	882	1005,5	919,5	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	813,5	726,5	10	16,3	5	914	1031,5	944,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	830,5	765	12	21,8	6	941	1066,5	1001	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	830,5	765	12	27,3	8	963	1084,5	1019	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	830,5	765	12	27,3	8	988	1109,5	1044	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	842,5	787,5	15	31,3	8	1037,5	1158,5	1103,5	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	842,5	787,5	15	31,3	8	1054,5	1175,5	1120,5	235	180
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1140,5	—	—	274	207
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1178,5	—	—	274	207

* Dimensões em mm

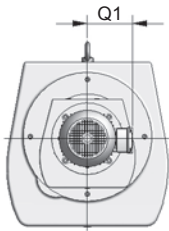


Fixação por flange - F__

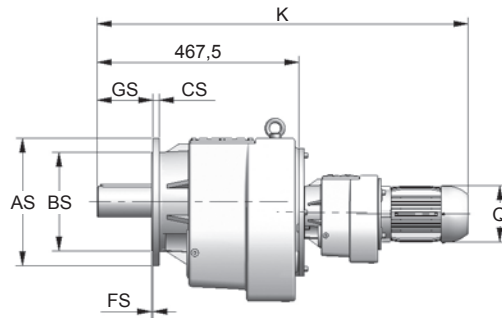
Duplex

Dimensões

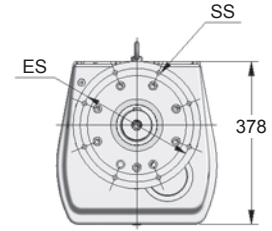
Tamanho **60**



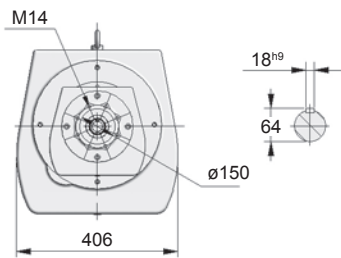
Vista frontal do motor



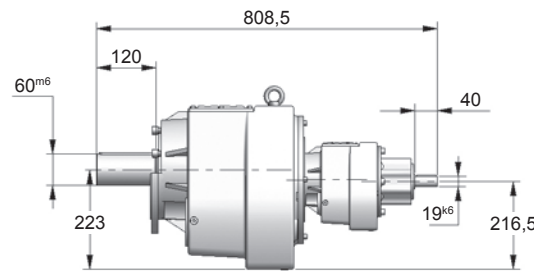
Entrada motor Weg tipo 1



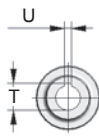
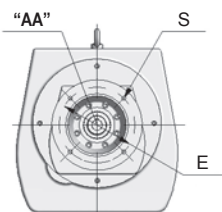
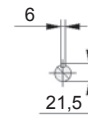
Vista lado da saída



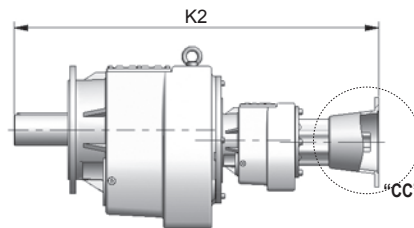
Vista lado da entrada



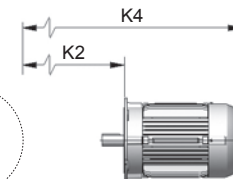
Entrada eixo integral



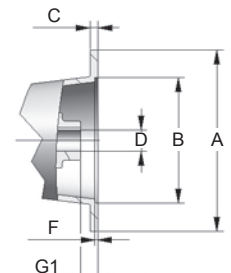
Detalhe "AA"



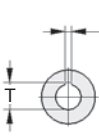
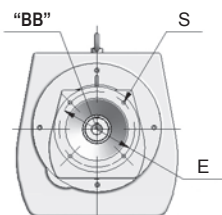
Entrada flange lanterna



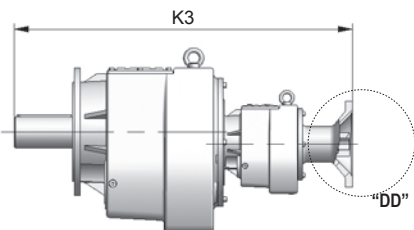
Entrada flange lanterna + motor standard*



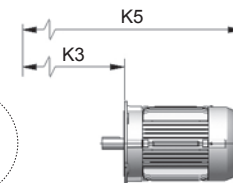
Detalhe "CC"



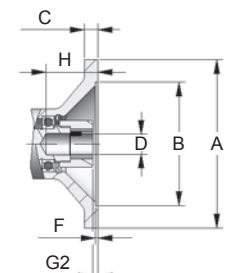
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carga	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{h7}	13	ø11	115	4	0	1	25	842,5	756,5	10	12,8	4	912	1035,5	949,5	124	113	G	350	250 ^{h7}	18	300	5	120	17,5
71	160	110 ^{h7}	14	ø14	130	4	0,5	1	34	843,5	756,5	10	16,3	5	944	1061,5	974,5	139	121	J	450	350 ^{h7}	22	400	5	120	17,5
80	200	130 ^{h7}	15	ø19	165	4	10	1	44	860,5	795	12	21,8	6	971	1096,5	1031	157	130								
90S	200	130 ^{h7}	15	ø24	165	4	10	1	52	860,5	795	12	27,3	8	993	1114,5	1049	177	150								
90L	200	130 ^{h7}	15	ø24	165	4	10	1	52	860,5	795	12	27,3	8	1018	1139,5	1074	177	150								
100	250	180 ^{h7}	16	ø28	215	5	20	1	63	872,5	817,5	15	31,3	8	1067,5	1188,5	1133,5	198	160								
112	250	180 ^{h7}	16	ø28	215	5	20	1	63	872,5	817,5	15	31,3	8	1084,5	1205,5	1150,5	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1170,5	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1208,5	—	—	274	207								

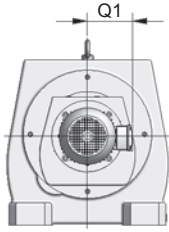
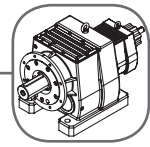
* Dimensões em mm

Dimensões

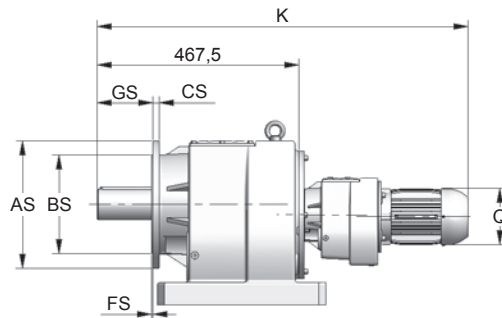
Tamanho **60**

Fixação por pés e flange - G_{...}

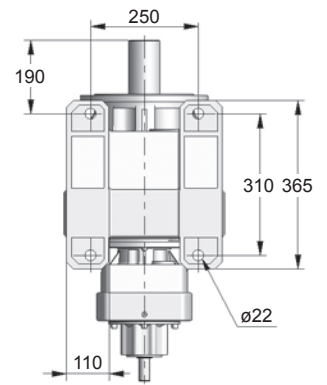
Duplex



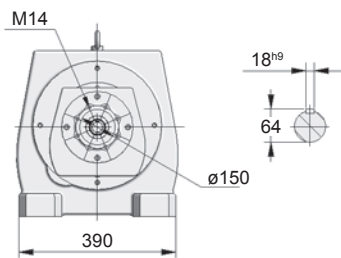
Vista frontal do motor



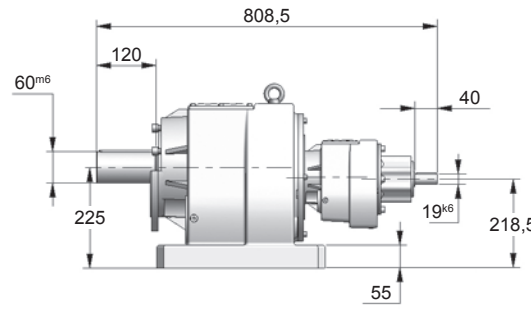
Entrada motor Weg tipo 1



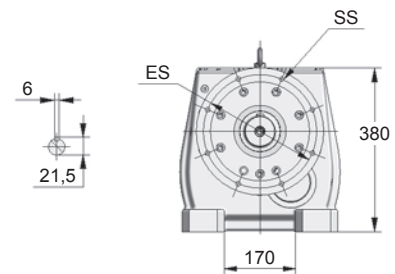
Detalhe dos pés



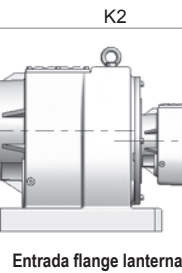
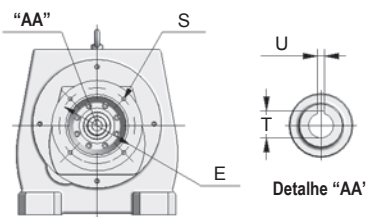
Vista lado da entrada



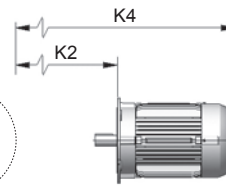
Entrada eixo integral



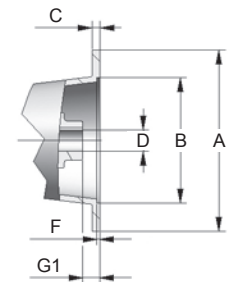
Vista lado da saída



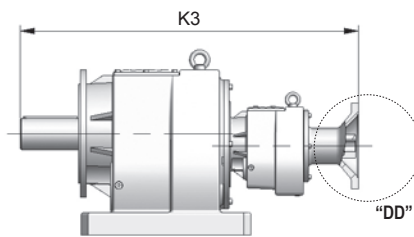
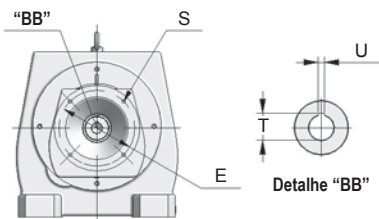
Entrada flange lanterna



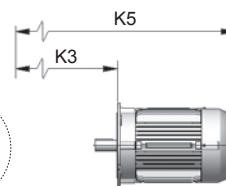
Entrada flange lanterna + motor standard*



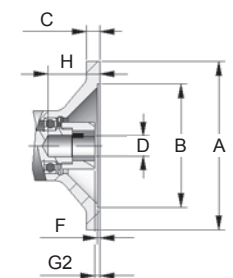
Detalhe "CC"



Entrada flange KTR



Entrada flange KTR + motor standard*

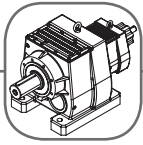


Detalhe "DD"

13

Carcapa	Flange Lanterna / KTR										Motor Eléctrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	1	25	842,5	756,5	10	12,8	4	912	1035,5	949,5	124	113	G	350	250 ^{H7}	18	300	5	120	17,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	843,5	756,5	10	16,3	5	944	1061,5	974,5	139	121	J	450	350 ^{H7}	22	400	5	120	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	860,5	795	12	21,8	6	971	1096,5	1031	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	860,5	795	12	27,3	8	993	1114,5	1049	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	860,5	795	12	27,3	8	1018	1139,5	1074	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	872,5	817,5	15	31,3	8	1067,5	1188,5	1133,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	872,5	817,5	15	31,3	8	1084,5	1205,5	1150,5	235	180								
132S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1170,5	—	—	274	207								
132M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1208,5	—	—	274	207								

* Dimensões em mm

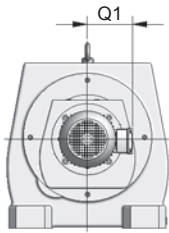


Fixação por pés - N

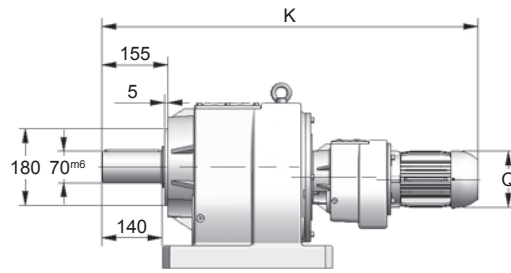
Duplex

Dimensões

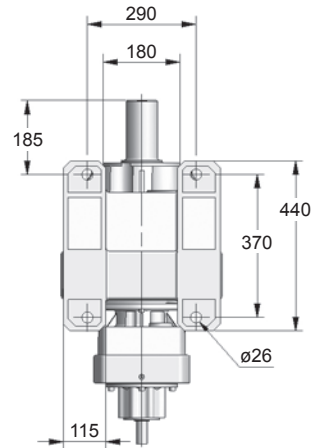
Tamanho 62



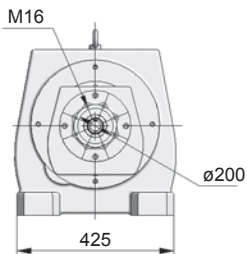
Vista frontal do motor



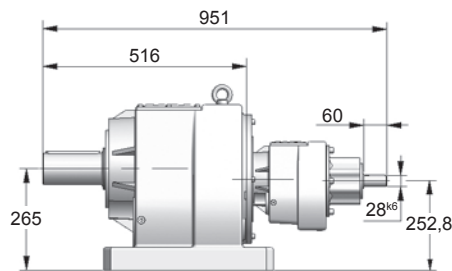
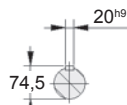
Entrada motor Weg tipo 1



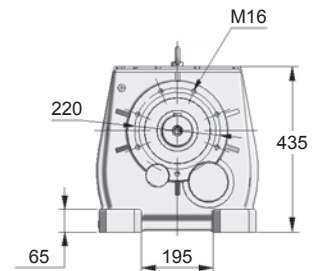
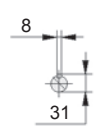
Detalhe dos pés



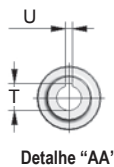
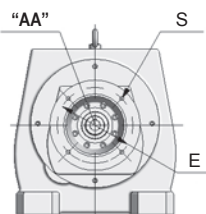
Vista lado da entrada



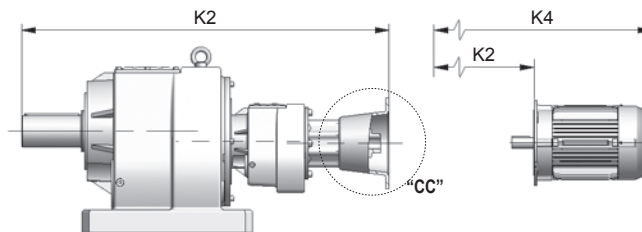
Entrada eixo integral



Vista lado da saída

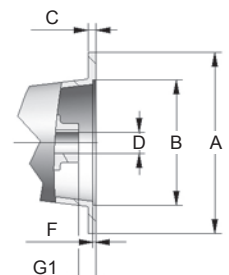


Detalhe "AA"

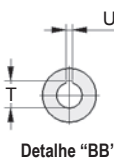
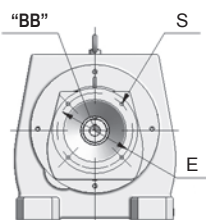


Entrada flange lanterna

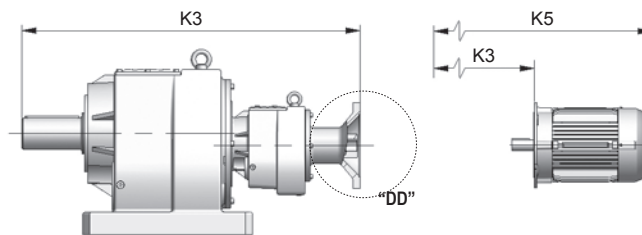
Entrada flange lanterna + motor standard*



Detalhe "CC"

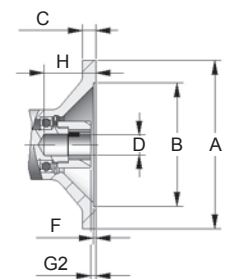


Detalhe "BB"



Entrada flange KTR

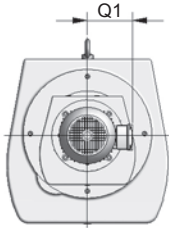
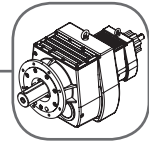
Entrada flange KTR + motor standard*



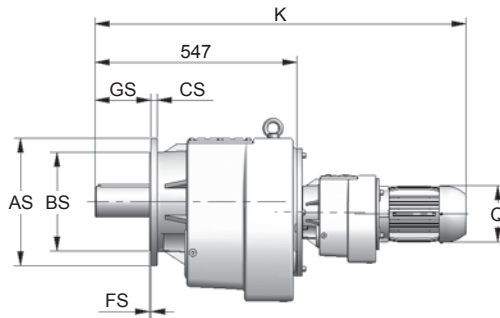
Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	991	—	10	12,8	4	993,5	1184	—	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	991	838	10	16,3	5	1025,5	1209	1056	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1004	876,5	12	21,8	6	1052,5	1240	1112,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1004	876,5	12	27,3	8	1072,5	1258	1130,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1004	876,5	12	27,3	8	1097,5	1283	1155,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1014	897	15	31,3	8	1147	1330	1213	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1014	897	15	31,3	8	1163	1347	1230	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1034	952	15	41,3	10	1246	1406	1324	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1034	952	15	41,3	10	1284	1444	1362	274	207
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1297	—	—	317	250
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1341	—	—	317	250

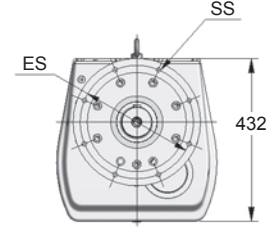
* Dimensões em mm



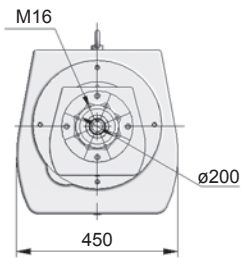
Vista frontal do motor



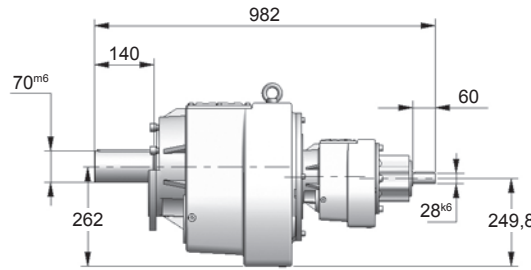
Entrada motor Weg tipo 1



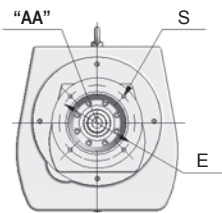
Vista lado da saída



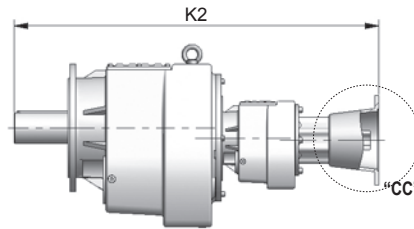
Vista lado da entrada



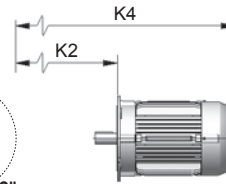
Entrada eixo integral



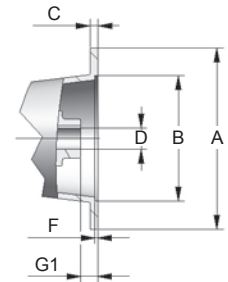
Detalhe "AA"



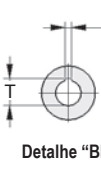
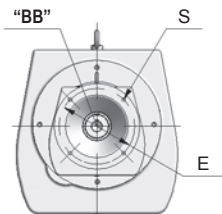
Entrada flange lanterna



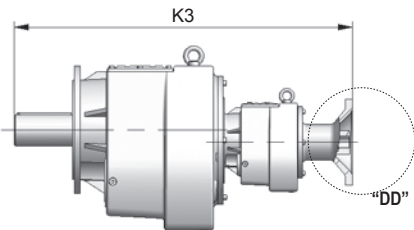
Entrada flange lanterna + motor standard*



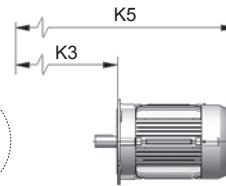
Detalhe "CC"



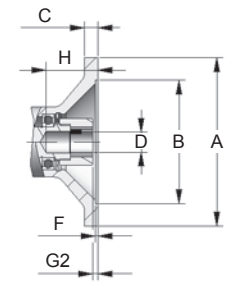
Detalhe "BB"



Entrada flange KTR



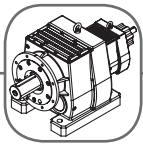
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	—	1022	—	10	12,8	4	1024,5	1215	—	124	113	G	350	250 ^{J7}	18	300	5	140	17,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1022	869	10	16,3	5	1056,5	1240	1087	139	121	J	450	350 ^{J7}	22	400	5	140	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1035	907,5	12	21,8	6	1083,5	1271	1143,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1035	907,5	12	27,3	8	1103,5	1289	1161,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1035	907,5	12	27,3	8	1128,5	1314	1186,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1045	928	15	31,3	8	1178	1361	1244	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1045	928	15	31,3	8	1194	1378	1261	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1065	983	15	41,3	10	1277	1437	1355	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1065	983	15	41,3	10	1315	1475	1393	274	207								
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1328	—	—	317	250								
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1372	—	—	317	250								

* Dimensões em mm

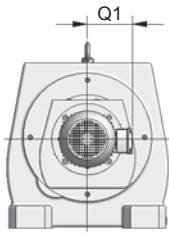


Fixação por pés e flange - G _ _

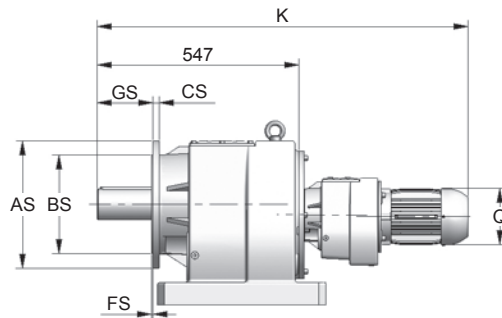
Duplex

Dimensões

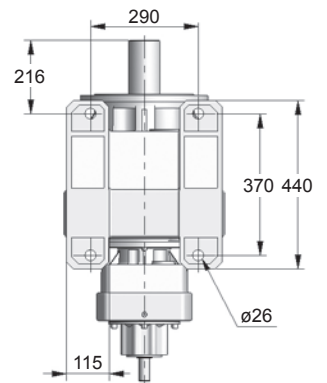
Tamanho **62**



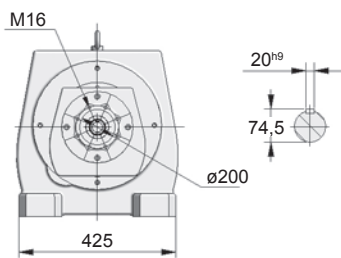
Vista frontal do motor



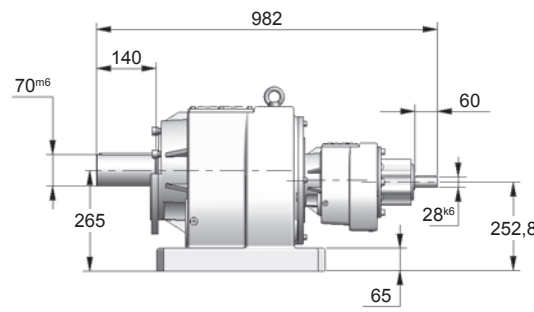
Entrada motor Weg tipo 1



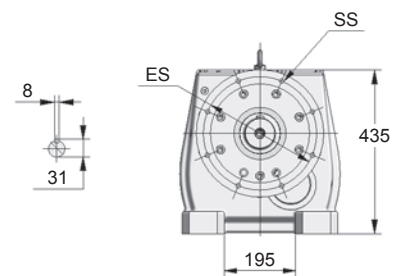
Detalhe dos pés



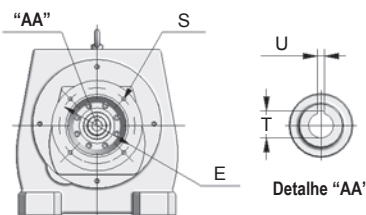
Vista lado da entrada



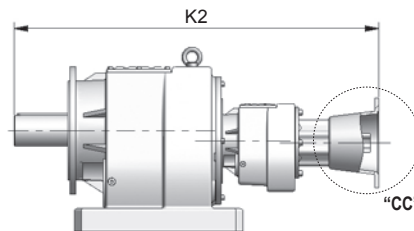
Entrada eixo integral



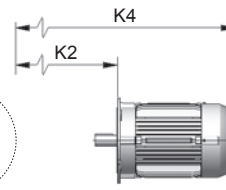
Vista lado da saída



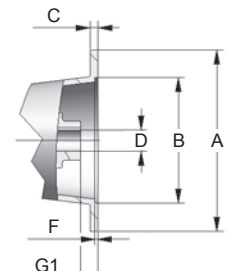
Detalhe "AA"



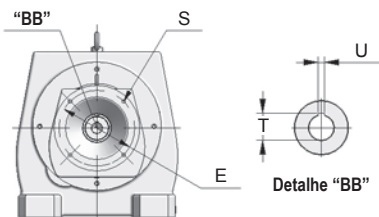
Entrada flange lanterna



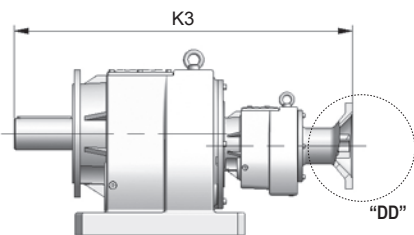
Entrada flange lanterna + motor standard*



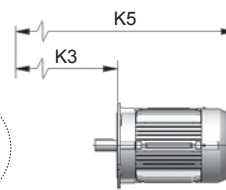
Detalhe "CC"



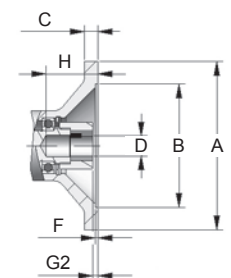
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	—	1022	—	10	12,8	4	1024,5	1215	—	124	113	G	350	250 ^{J7}	18	300	5	140	17,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1022	869	10	16,3	5	1056,5	1240	1087	139	121	J	450	350 ^{J7}	22	400	5	140	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1035	907,5	12	21,8	6	1083,5	1271	1143,5	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1035	907,5	12	27,3	8	1103,5	1289	1161,5	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1035	907,5	12	27,3	8	1128,5	1314	1186,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1045	928	15	31,3	8	1178	1361	1244	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1045	928	15	31,3	8	1194	1378	1261	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1065	983	15	41,3	10	1277	1437	1355	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1065	983	15	41,3	10	1315	1475	1393	274	207								
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1328	—	—	317	250								
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1372	—	—	317	250								

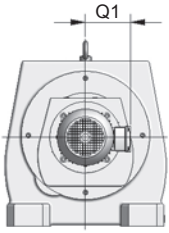
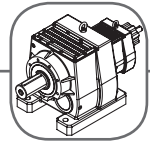
• Dimensões em mm

Dimensões

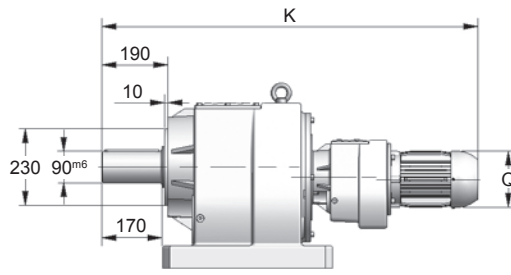
Tamanho **64**

Fixação por pés - N

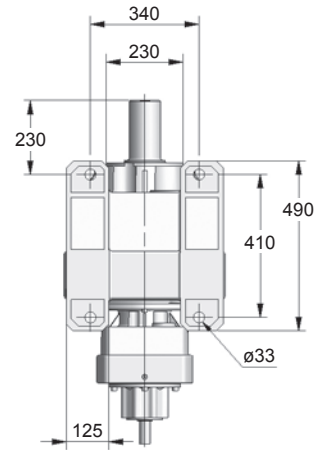
Duplex



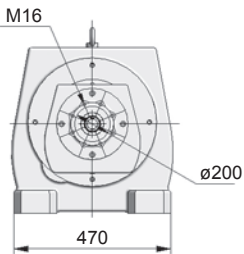
Vista frontal do motor



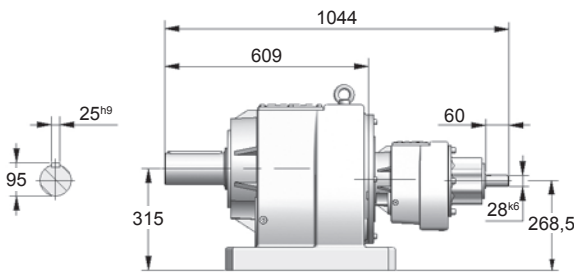
Entrada motor Weg tipo 1



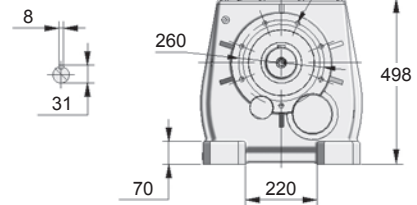
Detalhe dos pés



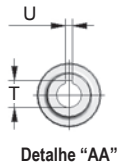
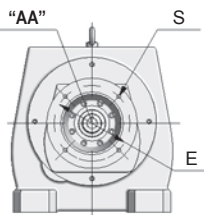
Vista lado da entrada



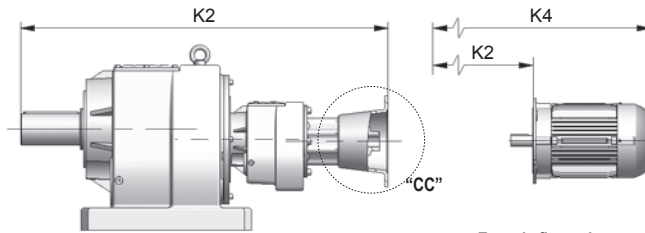
Entrada eixo integral



Vista lado da saída

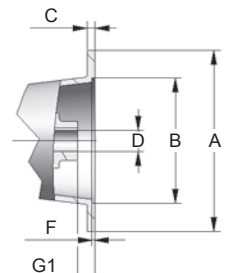


Detalhe "AA"

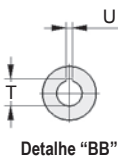
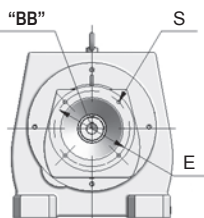


Entrada flange lanterna

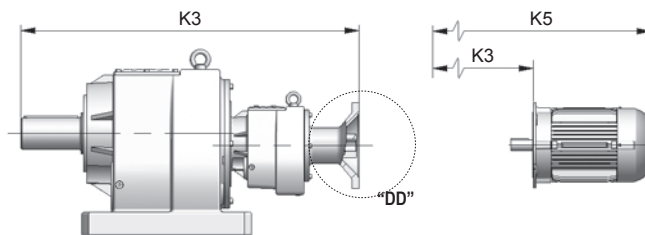
Entrada flange lanterna + motor standard*



Detalhe "CC"

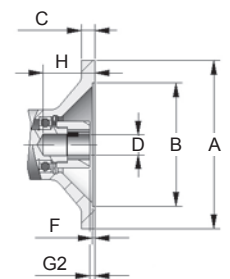


Detalhe "BB"



Entrada flange KTR

Entrada flange KTR + motor standard*

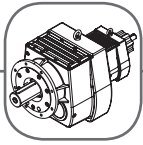


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	1084	—	10	12,8	4	1086,5	1277	—	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1084	931	10	16,3	5	1118,5	1302	1149	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1097	969,5	12	21,8	6	1145,5	1333	1205,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1097	969,5	12	27,3	8	1165,5	1351	1223,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1097	969,5	12	27,3	8	1190,5	1376	1248,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1107	990	15	31,3	8	1240	1423	1306	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1107	990	15	31,3	8	1256	1440	1323	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1127	1045	15	41,3	10	1339	1499	1417	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1127	1045	15	41,3	10	1377	1537	1455	274	207
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1390	—	—	317	250
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1434	—	—	317	250

* Dimensões em mm

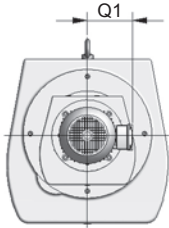


Fixação por flange - F__

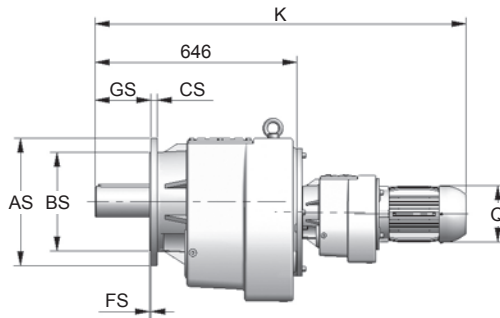
Duplex

Dimensões

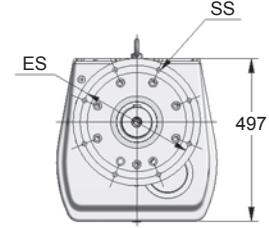
Tamanho **64**



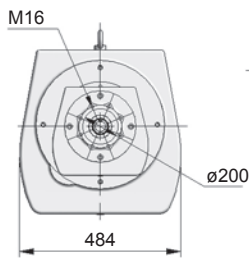
Vista frontal do motor



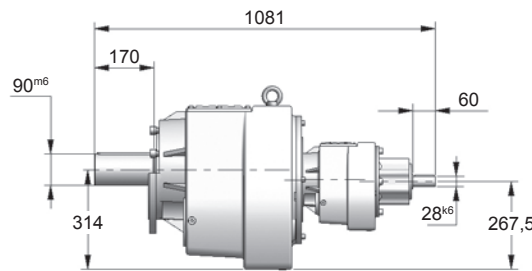
Entrada motor Weg tipo 1



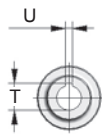
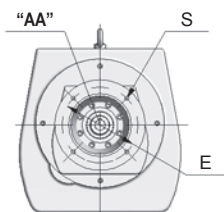
Vista lado da saída



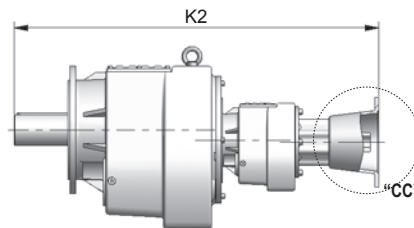
Vista lado da entrada



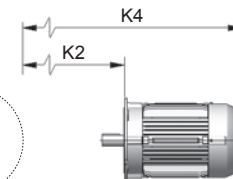
Entrada eixo integral



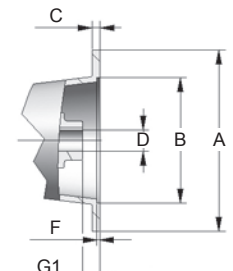
Detalhe "AA"



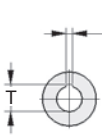
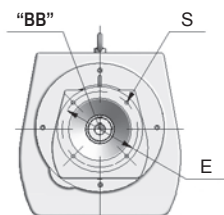
Entrada flange lanterna



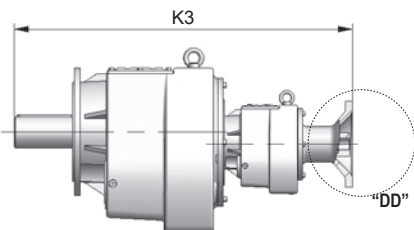
Entrada flange lanterna + motor standard*



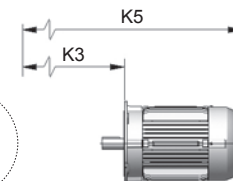
Detalhe "CC"



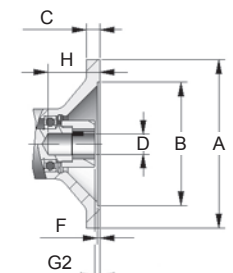
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída												
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	1121	—	10	12,8	4	1123,5	1314	—	124	113	J	450	350 ^{H7}	22	400	5	170	17,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1121	968	10	16,3	5	1155,5	1339	1186	139	121	K	550	450 ^{H7}	25	500	5	170	17,5	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1134	1006,5	12	21,8	6	1182,5	1370	1242,5	157	130									
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1134	1006,5	12	27,3	8	1202,5	1388	1260,5	177	150									
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1134	1006,5	12	27,3	8	1227,5	1413	1285,5	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1144	1027	15	31,3	8	1277	1460	1343	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1144	1027	15	31,3	8	1293	1477	1360	235	180									
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1164	1082	15	41,3	10	1376	1536	1454	274	207									
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1164	1082	15	41,3	10	1414	1574	1492	274	207									
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1427	—	—	317	250									
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1471	—	—	317	250									

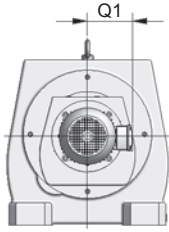
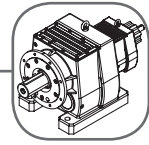
* Dimensões em mm

Dimensões

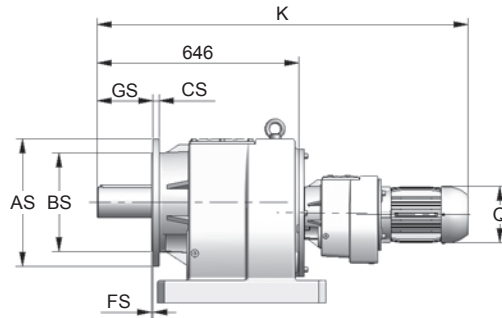
Tamanho **64**

Fixação por pés e flange - G₂

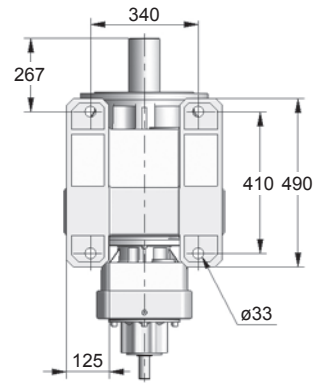
Duplex



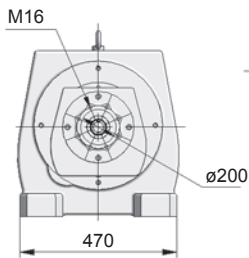
Vista frontal do motor



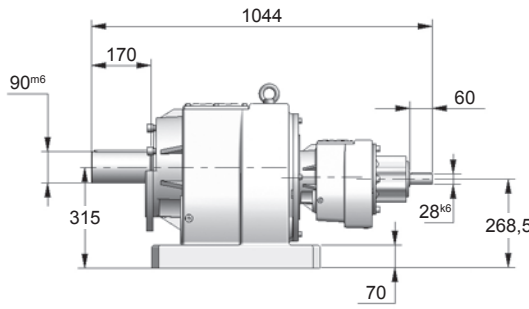
Entrada motor Weg tipo 1



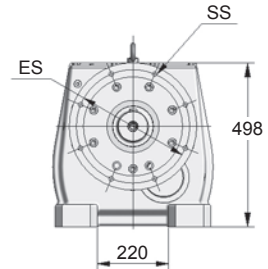
Detalhe dos pés



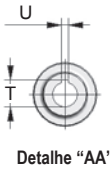
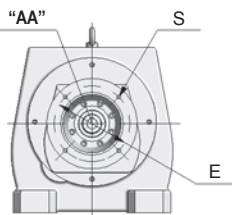
Vista lado da entrada



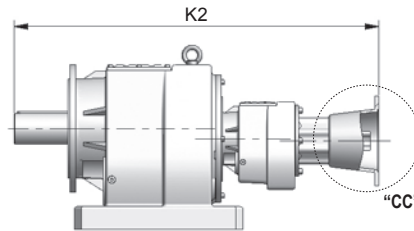
Entrada eixo integral



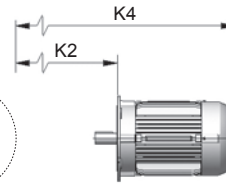
Vista lado da saída



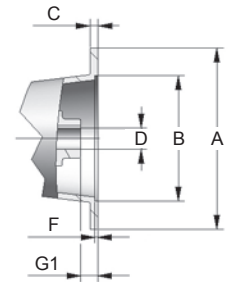
Detalhe "AA"



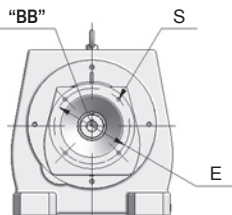
Entrada flange lanterna



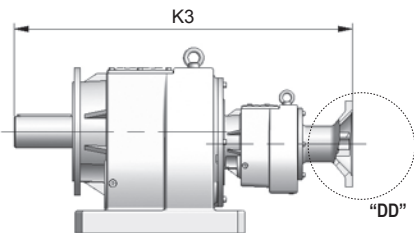
Entrada flange lanterna + motor standard*



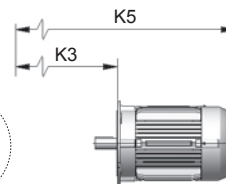
Detalhe "CC"



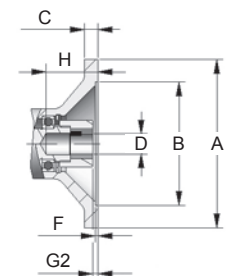
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

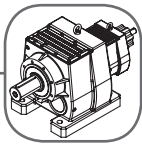


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	1121	—	10	12,8	4	1123,5	1314	—	124	113	J	450	350 ^{H7}	22	400	5	170	17,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1121	968	10	16,3	5	1155,5	1339	1186	139	121	K	550	450 ^{H7}	25	500	5	170	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1134	1006,5	12	21,8	6	1182,5	1370	1242,5	157	130	—	—	—	—	—	—	—	—
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1134	1006,5	12	27,3	8	1202,5	1388	1260,5	177	150	—	—	—	—	—	—	—	—
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1134	1006,5	12	27,3	8	1227,5	1413	1285,5	177	150	—	—	—	—	—	—	—	—
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1144	1027	15	31,3	8	1277	1460	1343	198	160	—	—	—	—	—	—	—	—
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1144	1027	15	31,3	8	1293	1477	1360	235	180	—	—	—	—	—	—	—	—
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1164	1082	15	41,3	10	1376	1536	1454	274	207	—	—	—	—	—	—	—	—
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1164	1082	15	41,3	10	1414	1574	1492	274	207	—	—	—	—	—	—	—	—
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1427	—	—	317	250	—	—	—	—	—	—	—	—
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1471	—	—	317	250	—	—	—	—	—	—	—	—

* Dimensões em mm

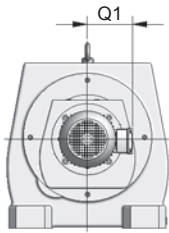


Fixação por pés - N

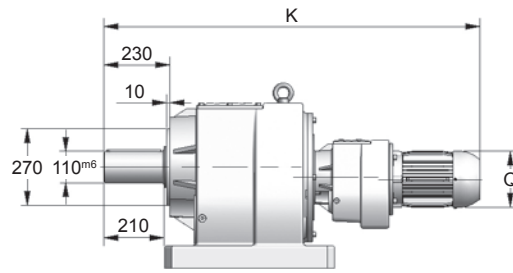
Duplex (5,6 estágios)

Dimensões

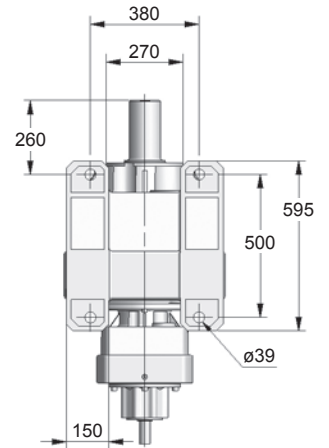
Tamanho **66-56**



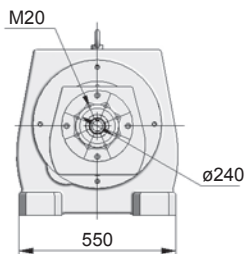
Vista frontal do motor



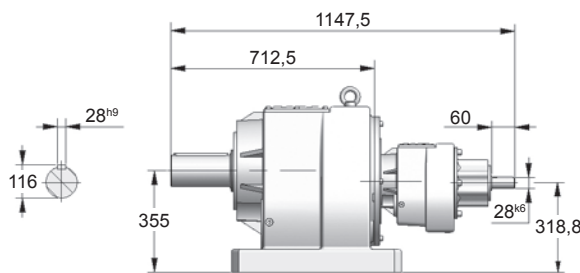
Entrada motor Weg tipo 1



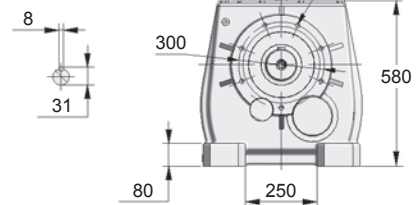
Detalhe dos pés



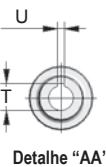
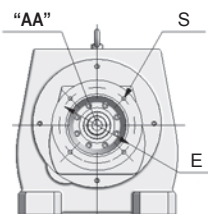
Vista lado da entrada



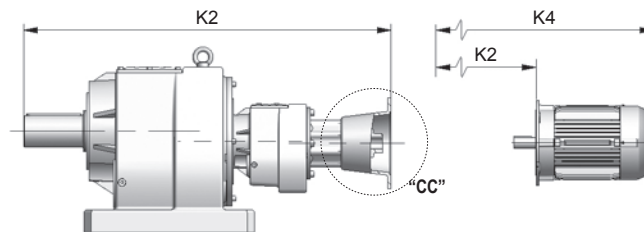
Entrada eixo integral



Vista lado da saída

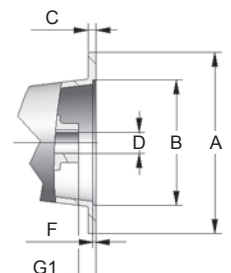


Detalhe "AA"

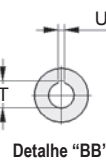
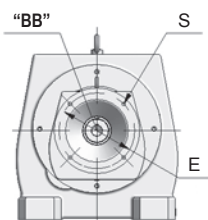


Entrada flange lanterna

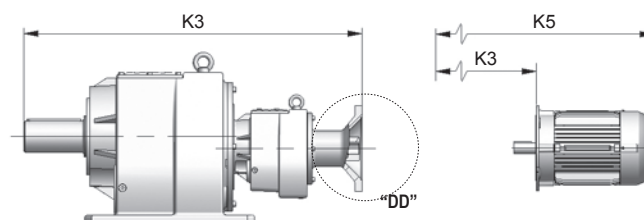
Entrada flange lanterna + motor standard*



Detalhe "CC"

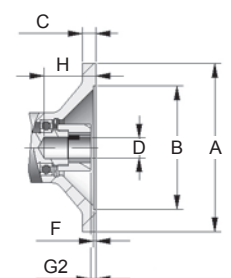


Detalhe "BB"



Entrada flange KTR

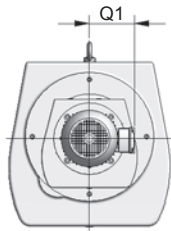
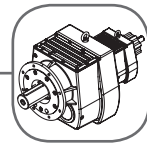
Entrada flange KTR + motor standard*



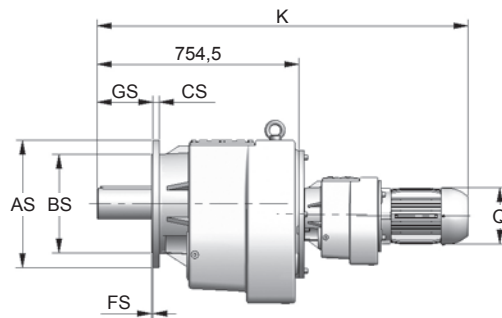
Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	1187,5	—	10	12,8	4	1190	1380,5	—	124	113
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1187,5	1034,5	10	16,3	5	1222	1405,5	1227,5	139	121
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1200,5	1073	12	21,8	6	1249	1436,5	1291	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1200,5	1073	12	27,3	8	1269	1454,5	1309	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1200,5	1073	12	27,3	8	1294	1479,5	1327	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1210,5	1093,5	15	31,3	8	1343,5	1526,5	1372,5	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1210,5	1093,5	15	31,3	8	1359,5	1543,5	1409,5	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1230,5	1148,5	15	41,3	10	1442,5	1602,5	1481,5	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1230,5	1148,5	15	41,3	10	1480,5	1640,5	1520,5	274	207
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1493,5	—	—	317	250
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1537,5	—	—	317	250

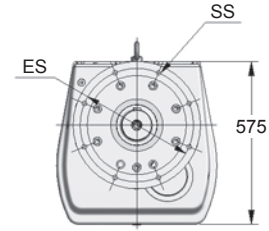
* Dimensões em mm



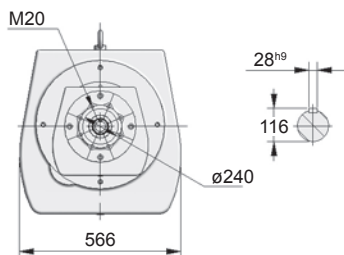
Vista frontal do motor



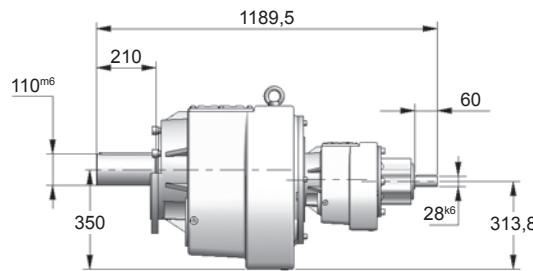
Entrada motor Weg tipo 1



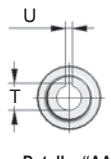
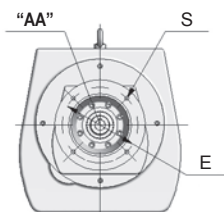
Vista lado da saída



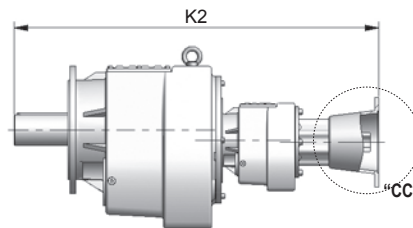
Vista lado da entrada



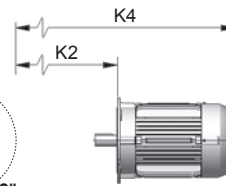
Entrada eixo integral



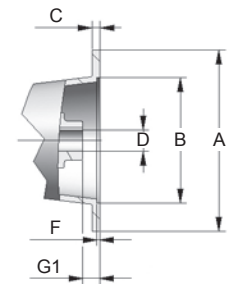
Detalhe "AA"



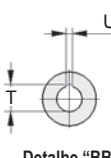
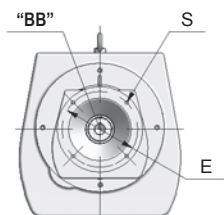
Entrada flange lanterna



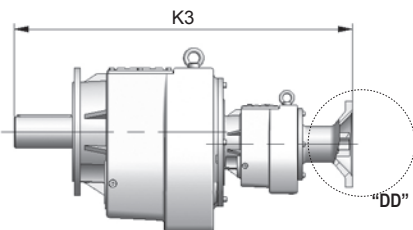
Entrada flange lanterna + motor standard*



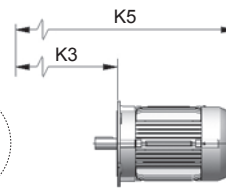
Detalhe "CC"



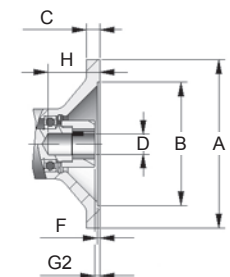
Detalhe "BB"



Entrada flange KTR



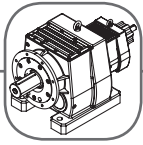
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	1229,5	—	10	12,8	4	1232	1422,5	—	124	113	J	450	350 ^{H7}	22	400	5	210	17,5
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1229,5	1076,5	10	16,3	5	1264	1447,5	1269,5	139	121	K	550	450 ^{H7}	25	500	5	210	17,5
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1242,5	1115	12	21,8	6	1291	1478,5	1333	157	130								
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1242,5	1115	12	27,3	8	1311	1496,5	1351	177	150								
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1242,5	1115	12	27,3	8	1336	1521,5	1369	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1252,5	1135,5	15	31,3	8	1385,5	1568,5	1414,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1252,5	1135,5	15	31,3	8	1401,5	1585,5	1451,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1272,5	1190,5	15	41,3	10	1484,5	1644,5	1523,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1272,5	1190,5	15	41,3	10	1522,5	1682,5	1562,5	274	207								
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1535,5	—	—	317	250								
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1579,5	—	—	317	250								

* Dimensões em mm

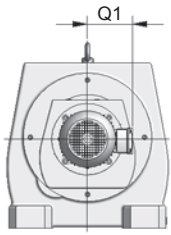


Fixação por pés e flange - G _ _

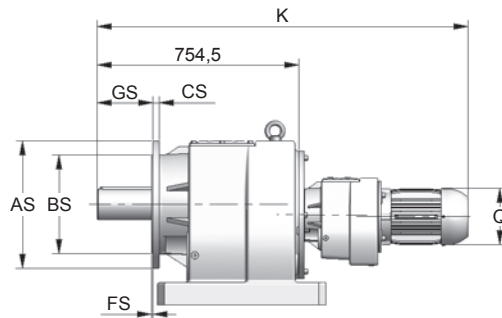
Duplex (5,6 estágios)

Dimensões

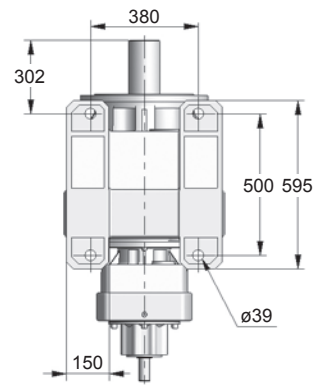
Tamanho **66-56**



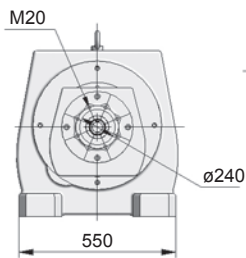
Vista frontal do motor



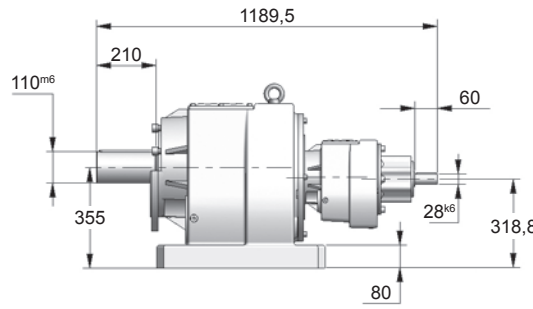
Entrada motor Weg tipo 1



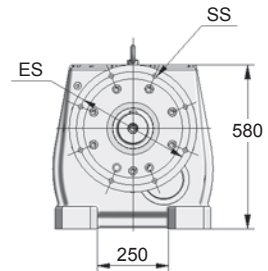
Detalhe dos pés



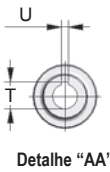
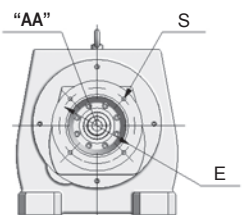
Vista lado da entrada



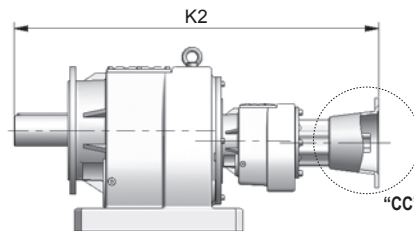
Entrada eixo integral



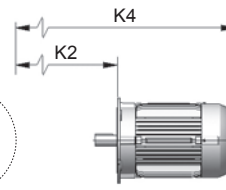
Vista lado da saída



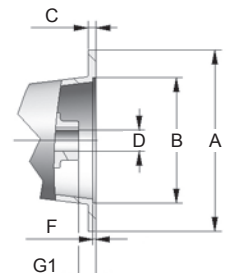
Detalhe "AA"



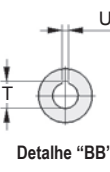
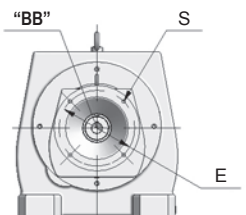
Entrada flange lanterna



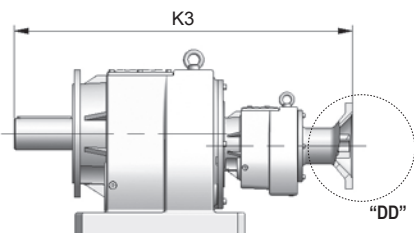
Entrada flange lanterna + motor standard*



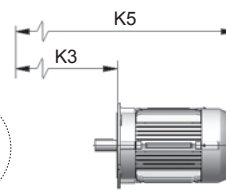
Detalhe "CC"



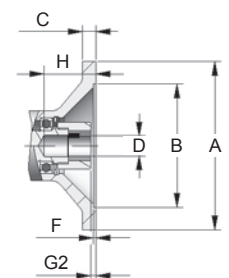
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR										Motor Elétrico				Flange de saída													
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS	
63	140	95 ^{H7}	13	ø11	115	4	0	—	—	1229,5	—	10	12,8	4	1232	1422,5	—	124	113	J	450	350 ^{H7}	22	400	5	210	17,5	
71	160	110 ^{H7}	14	ø14	130	4	0,5	1	34	1229,5	1076,5	10	16,3	5	1264	1447,5	1269,5	139	121	K	550	450 ^{H7}	25	500	5	210	17,5	
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1242,5	1115	12	21,8	6	1291	1478,5	1333	157	130									
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1242,5	1115	12	27,3	8	1311	1496,5	1351	177	150									
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1242,5	1115	12	27,3	8	1336	1521,5	1369	177	150									
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1252,5	1135,5	15	31,3	8	1385,5	1568,5	1414,5	198	160									
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1252,5	1135,5	15	31,3	8	1401,5	1585,5	1451,5	235	180									
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1272,5	1190,5	15	41,3	10	1484,5	1644,5	1523,5	274	207									
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1272,5	1190,5	15	41,3	10	1522,5	1682,5	1562,5	274	207									
160M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1535,5	—	—	317	250									
160L	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1579,5	—	—	317	250									

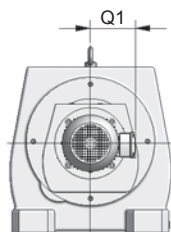
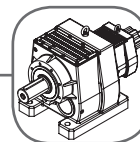
* Dimensões em mm

Dimensões

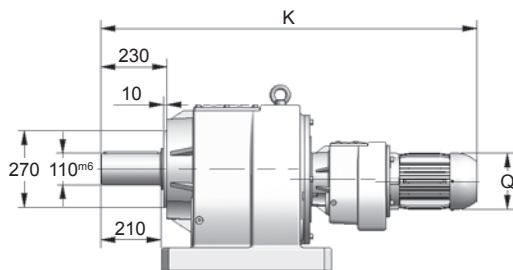
Tamanho **66-58**

Fixação por pés - N

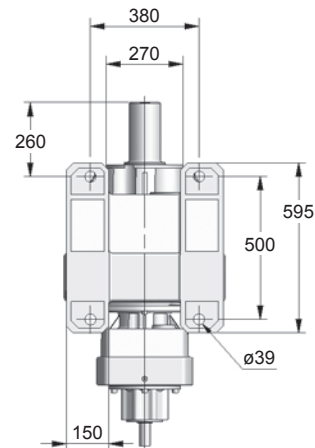
Duplex (4 estágios)



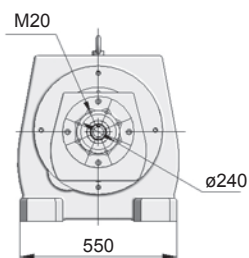
Vista frontal do motor



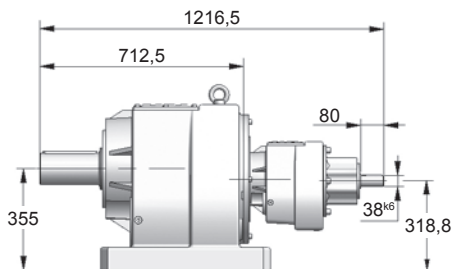
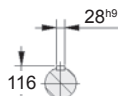
Entrada motor Weg tipo 1



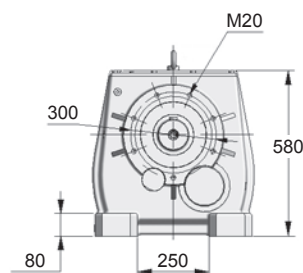
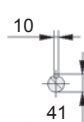
Detalhe dos pés



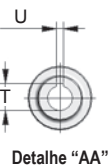
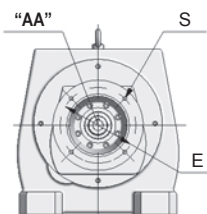
Vista lado da entrada



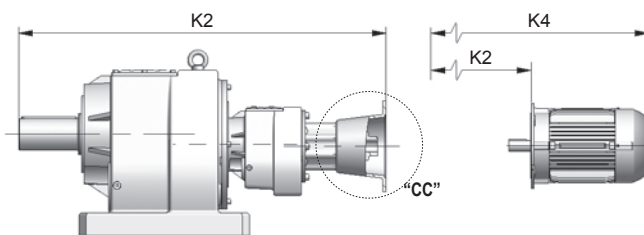
Entrada eixo integral



Vista lado da saída

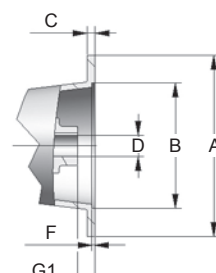


Detalhe "AA"

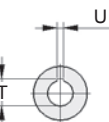
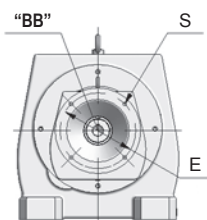


Entrada flange lanterna

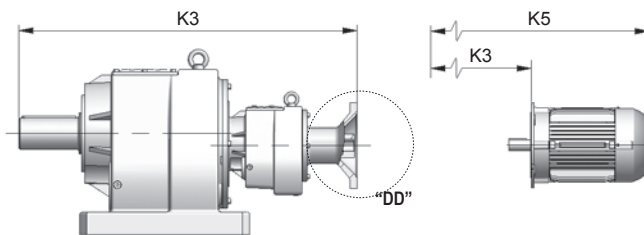
Entrada flange lanterna + motor standard*



Detalhe "CC"

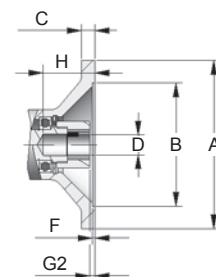


Detalhe "BB"



Entrada flange KTR

Entrada flange KTR + motor standard*

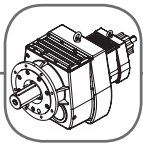


Detalhe "DD"

13

Carcaca	Flange Lanterna / KTR										Motor Elétrico								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1270,5	1111,5	12	21,8	6	1288	1506,5	1347,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1270,5	1111,5	12	27,3	8	1309	1524,5	1365,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1270,5	1111,5	12	27,3	8	1334	1549,5	1390,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1279,5	1135	15	31,3	8	1383,5	1595,5	1451	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1279,5	1135	15	31,3	8	1398,5	1612,5	1468	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1299,5	1187,5	15	41,3	10	1481,5	1671,5	1559,5	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1299,5	1187,5	15	41,3	10	1519,5	1709,5	1597,5	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1331,5	1235,5	19	45,3	12	1532,5	1819,5	1723,5	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1331,5	1235,5	19	45,3	12	1576,5	1863,5	1767,5	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1331,5	1235,5	19	51,8	14	1606,5	1885,5	1789,5	360	270

* Dimensões em mm

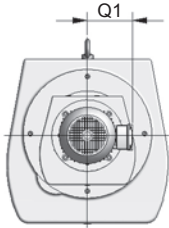


Fixação por flange - F__

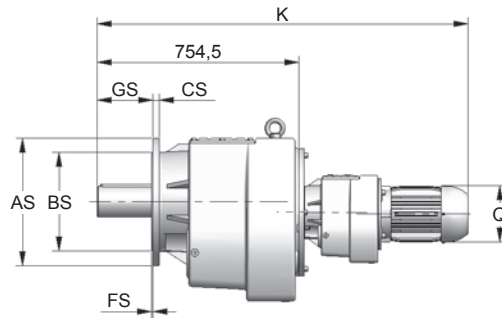
Duplex (4 estágios)

Dimensões

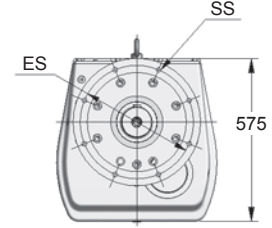
Tamanho **66-58**



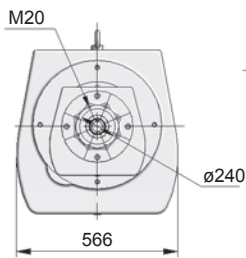
Vista frontal do motor



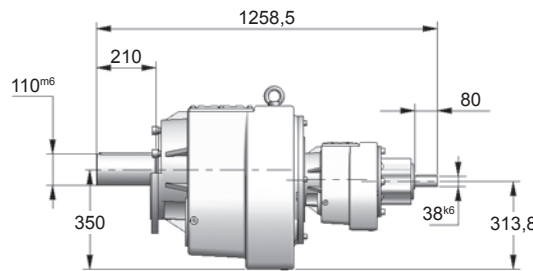
Entrada motor Weg tipo 1



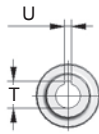
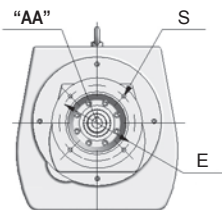
Vista lado da saída



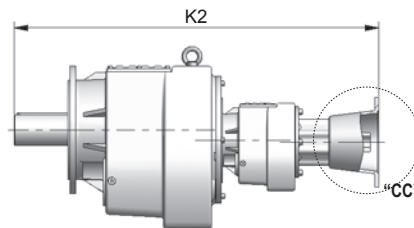
Vista lado da entrada



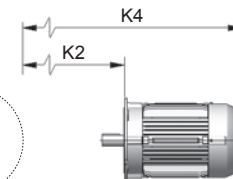
Entrada eixo integral



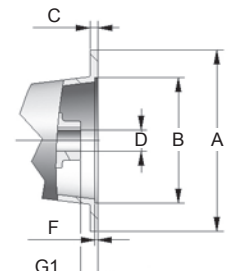
Detalhe "AA"



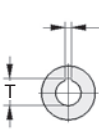
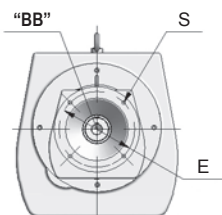
Entrada flange lanterna



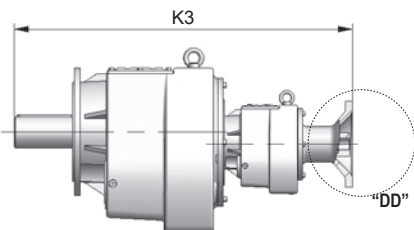
Entrada flange lanterna + motor standard*



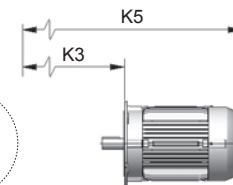
Detalhe "CC"



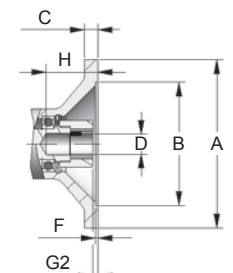
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR													Motor Eléctrico					Flange de saída								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1312,5	1153,5	12	21,8	6	1330	1548,5	1389,5	157	130	J	450	350 ^{H7}	22	400	5	210	17,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1312,5	1153,5	12	27,3	8	1351	1566,5	1407,5	177	150	K	550	450 ^{H7}	25	500	5	210	17,5
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1312,5	1153,5	12	27,3	8	1376	1591,5	1432,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1321,5	1177	15	31,3	8	1425,5	1637,5	1493	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1321,5	1177	15	31,3	8	1440,5	1654,5	1510	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1341,5	1229,5	15	41,3	10	1523,5	1713,5	1601,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1341,5	1229,5	15	41,3	10	1561,5	1751,5	1639,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1373,5	1277,5	19	45,3	12	1574,5	1861,5	1765,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1373,5	1277,5	19	45,3	12	1618,5	1905,5	1809,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1373,5	1277,5	19	51,8	14	1648,5	1927,5	1831,5	360	270								

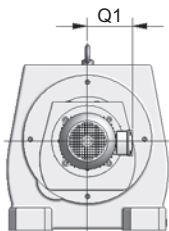
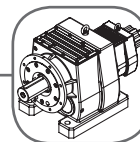
* Dimensões em mm

Dimensões

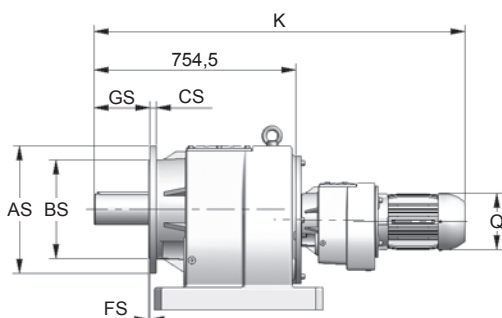
Tamanho **66-58**

Fixação por pés e flange - G_{...}

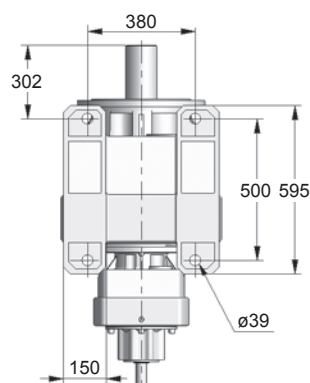
Duplex (4 estágios)



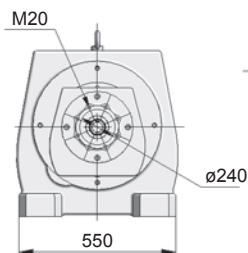
Vista frontal do motor



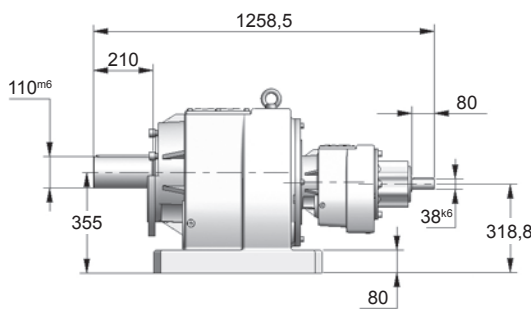
Entrada motor Weg tipo 1



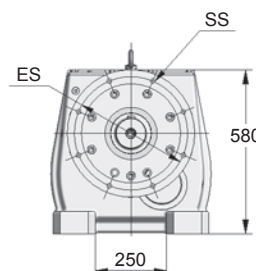
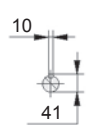
Detalhe dos pés



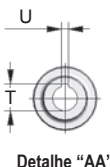
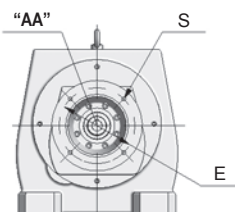
Vista lado da entrada



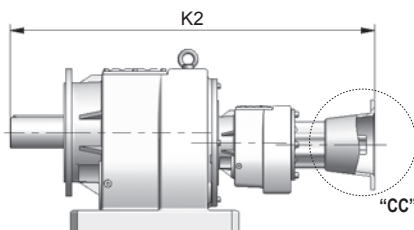
Entrada eixo integral



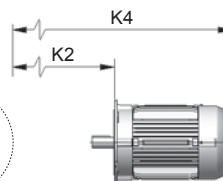
Vista lado da saída



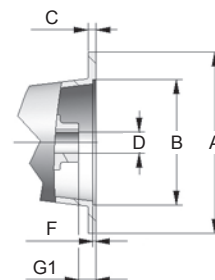
Detalhe "AA"



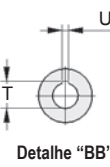
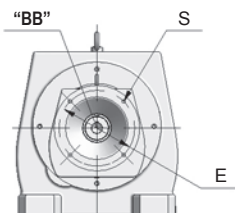
Entrada flange lanterna



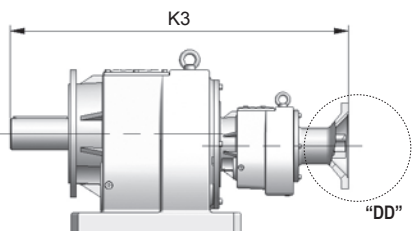
Entrada flange lanterna + motor standard*



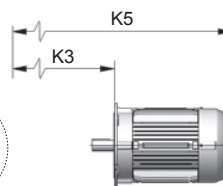
Detalhe "CC"



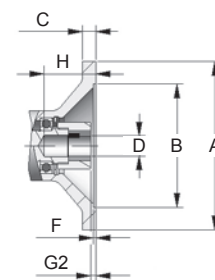
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

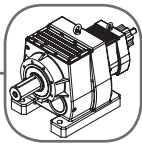


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR													Motor Elétrico					Flange de saída								
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1312,5	1153,5	12	21,8	6	1330	1548,5	1389,5	157	130	J	450	350 ^{I7}	22	400	5	210	17,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1312,5	1153,5	12	27,3	8	1351	1566,5	1407,5	177	150	K	550	450 ^{I7}	25	500	5	210	17,5
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1312,5	1153,5	12	27,3	8	1376	1591,5	1432,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1321,5	1177	15	31,3	8	1425,5	1637,5	1493	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1321,5	1177	15	31,3	8	1440,5	1654,5	1510	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1341,5	1229,5	15	41,3	10	1523,5	1713,5	1601,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1341,5	1229,5	15	41,3	10	1561,5	1751,5	1639,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1373,5	1277,5	19	45,3	12	1574,5	1861,5	1765,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1373,5	1277,5	19	45,3	12	1618,5	1905,5	1809,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1373,5	1277,5	19	51,8	14	1648,5	1927,5	1831,5	360	270								

* Dimensões em mm

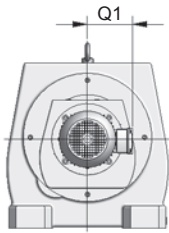


Fixação por pés - N

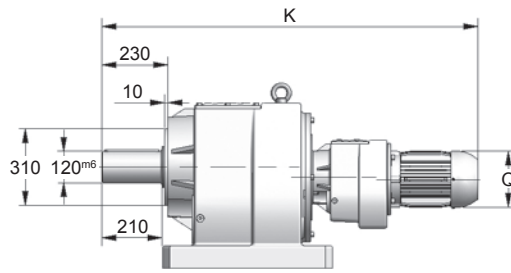
Duplex (5,6 estágios)

Dimensões

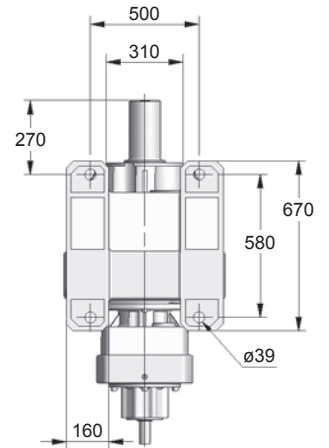
Tamanho **68-60**



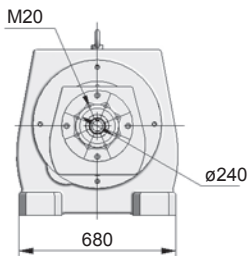
Vista frontal do motor



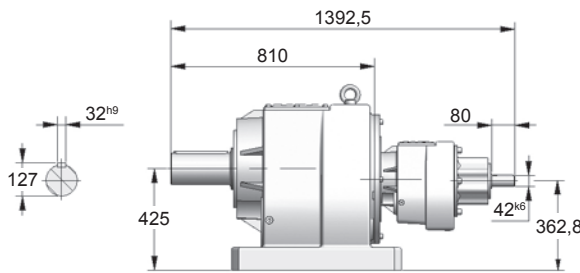
Entrada motor Weg tipo 1



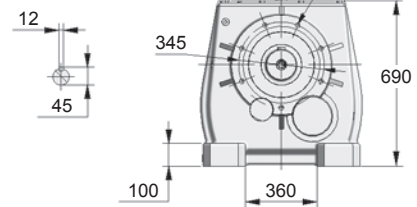
Detalhe dos pés



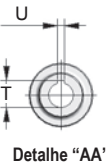
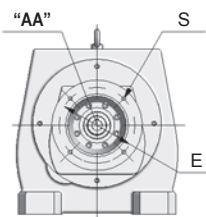
Vista lado da entrada



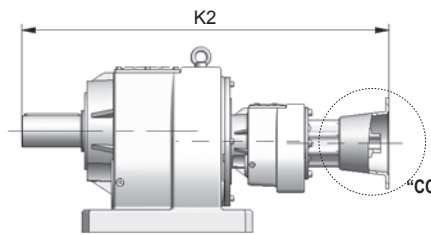
Entrada eixo integral



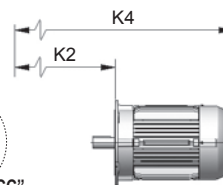
Vista lado da saída



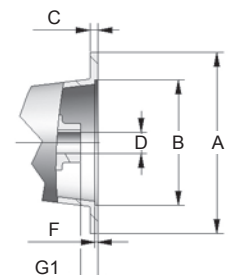
Detalhe "AA"



Entrada flange lanterna



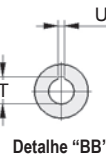
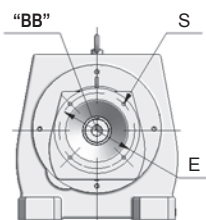
Entrada flange lanterna + motor standard*



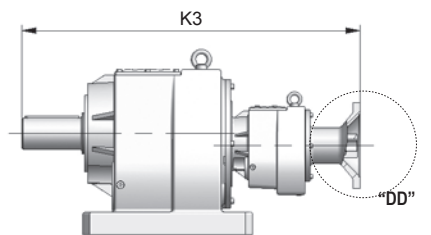
Detalhe "CC"



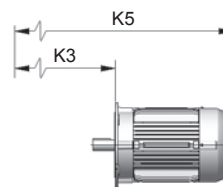
Furação para A > 400



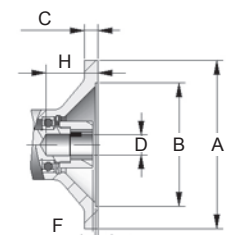
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1446,5	1256,5	12	21,8	6	1432,5	1682,5	1492,5	157	130
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1446,5	1256,5	12	27,3	8	1454,5	1700,5	1510,5	177	150
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1446,5	1256,5	12	27,3	8	1479,5	1725,5	1535,5	177	150
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1455,5	1278,5	15	31,3	8	1528,5	1771,5	1594,5	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1455,5	1278,5	15	31,3	8	1544,5	1788,5	1611,5	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1475,5	1333,5	15	41,3	10	1627,5	1847,5	1705,5	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1475,5	1333,5	15	41,3	10	1665,5	1885,5	1743,5	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1507,5	1381,5	19	45,3	12	1678,5	1995,5	1869,5	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1507,5	1381,5	19	45,3	12	1722,5	2039,5	1913,5	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1507,5	1381,5	19	51,8	14	1752,5	2061,5	1935,5	360	270
200M	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	1426,5	19	59,3	16	1715,5	—	2045,5	402	294
200L	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	1426,5	19	59,3	16	1853,5	—	2083,5	402	294
225	450	350 ^{H7}	24	ø60	400	6	—	11	124	—	1441,5	19	64,4	18	1896,5	—	2148,5	466	368

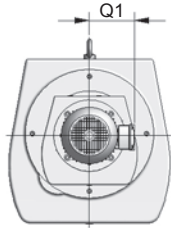
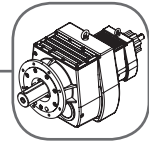
* Dimensões em mm

Dimensões

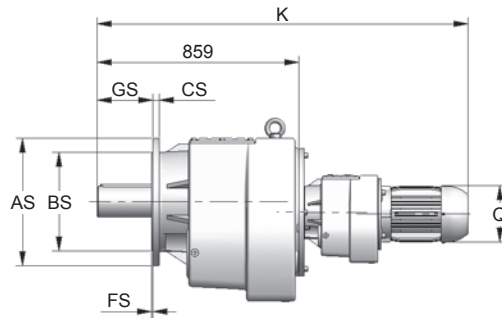
Tamanho **68-60**

Fixação por flange - F__

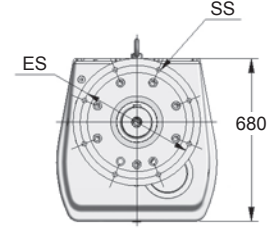
Duplex (5,6 estágios)



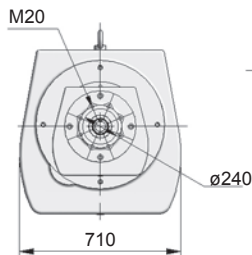
Vista frontal do motor



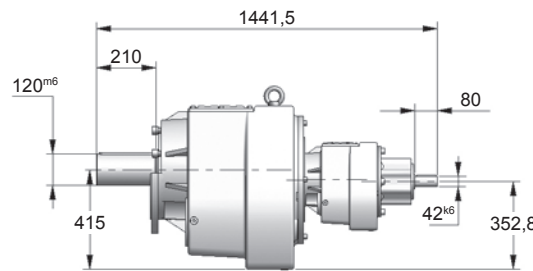
Entrada motor Weg tipo 1



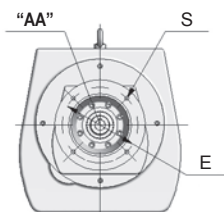
Vista lado da saída



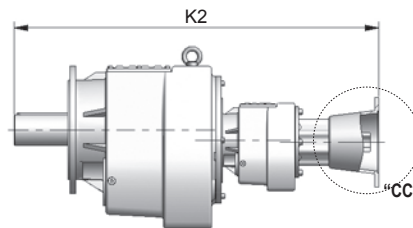
Vista lado da entrada



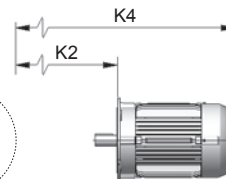
Entrada eixo integral



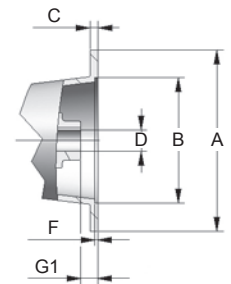
Detalhe "AA"



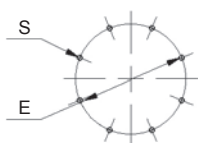
Entrada flange lanterna



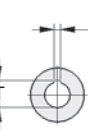
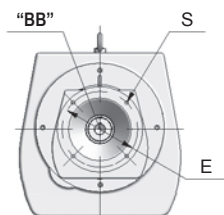
Entrada flange lanterna + motor standard*



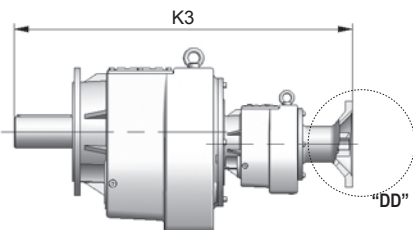
Detalhe "CC"



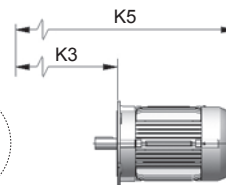
Furação para A > 400



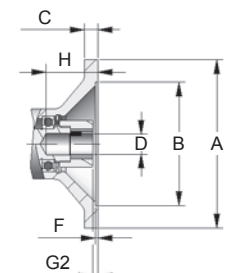
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

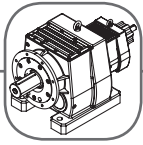


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR										Motor Elétrico					Flange de saída											
	A	B	C	D	E	F	G1	G2	H	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS				
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1495,5	1305,5	12	21,8	6	1481,5	1731,5	1541,5	157	130	K	550	450 ^{I7}	25	500	5	210	17,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1495,5	1305,5	12	27,3	8	1503,5	1749,5	1559,5	177	150	L	660	550 ^{I7}	28	600	6	210	22
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1495,5	1305,5	12	27,3	8	1528,5	1774,5	1584,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1504,5	1327,5	15	31,3	8	1577,5	1820,5	1643,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1504,5	1327,5	15	31,3	8	1593,5	1837,5	1660,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1524,5	1382,5	15	41,3	10	1676,5	1896,5	1754,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1524,5	1382,5	15	41,3	10	1714,5	1934,5	1792,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1556,5	1430,5	19	45,3	12	1727,5	2044,5	1918,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1556,5	1430,5	19	45,3	12	1771,5	2088,5	1962,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1556,5	1430,5	19	51,8	14	1801,5	2110,5	1984,5	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	1475,5	19	59,3	16	1764,5	—	2094,5	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	1475,5	19	59,3	16	1902,5	—	2132,5	402	294								
225	450	350 ^{H7}	24	ø60	400	6	—	11	124	—	1490,5	19	64,4	18	1945,5	—	2197,5	466	368								

* Dimensões em mm

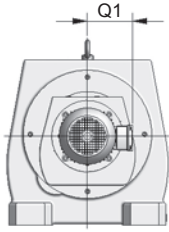


Fixação por pés e flange - G _ _

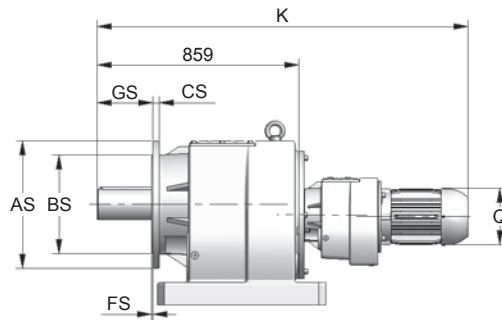
Duplex (5,6 estágios)

Dimensões

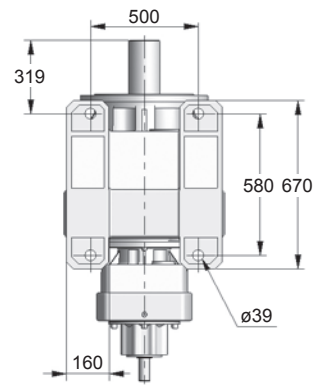
Tamanho **68-60**



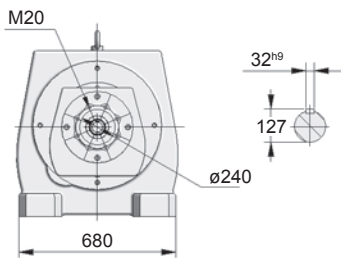
Vista frontal do motor



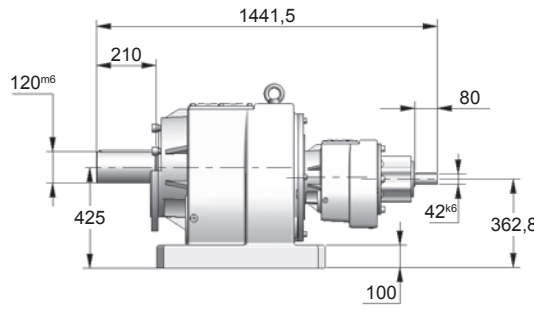
Entrada motor Weg tipo 1



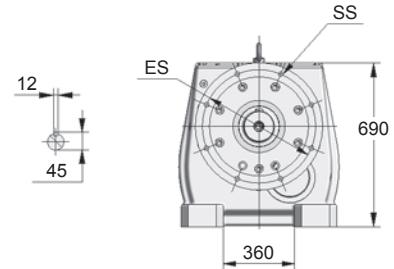
Detalhe dos pés



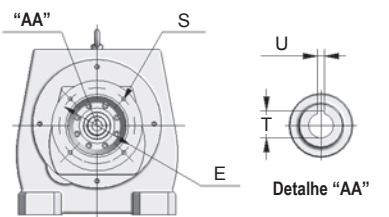
Vista lado da entrada



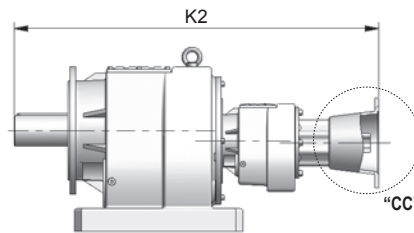
Entrada eixo integral



Vista lado da saída

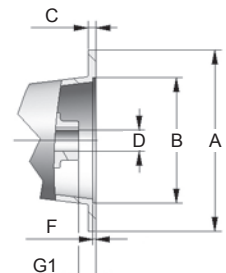


Detalhe "AA"



Entrada flange lanterna

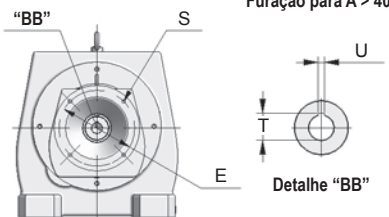
Entrada flange lanterna + motor standard*



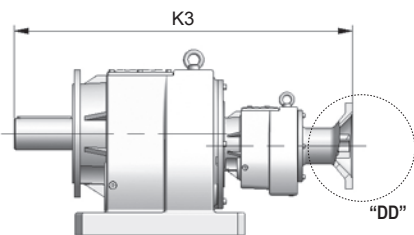
Detalhe "CC"



Furação para A > 400

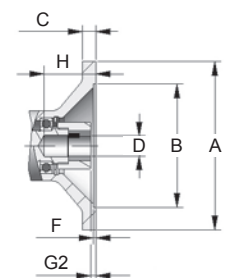


Detalhe "BB"



Entrada flange KTR

Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
80	200	130 ^{H7}	15	ø19	165	4	10	1	44	1495,5	1305,5	12	21,8	6	1481,5	1731,5	1541,5	157	130	K	550	450 ^{I7}	25	500	5	210	17,5
90S	200	130 ^{H7}	15	ø24	165	4	10	1	52	1495,5	1305,5	12	27,3	8	1503,5	1749,5	1559,5	177	150	L	660	550 ^{I7}	28	600	6	210	22
90L	200	130 ^{H7}	15	ø24	165	4	10	1	52	1495,5	1305,5	12	27,3	8	1528,5	1774,5	1584,5	177	150								
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1504,5	1327,5	15	31,3	8	1577,5	1820,5	1643,5	198	160								
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1504,5	1327,5	15	31,3	8	1593,5	1837,5	1660,5	235	180								
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1524,5	1382,5	15	41,3	10	1676,5	1896,5	1754,5	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1524,5	1382,5	15	41,3	10	1714,5	1934,5	1792,5	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1556,5	1430,5	19	45,3	12	1727,5	2044,5	1918,5	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1556,5	1430,5	19	45,3	12	1771,5	2088,5	1962,5	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1556,5	1430,5	19	51,8	14	1801,5	2110,5	1984,5	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	1475,5	19	59,3	16	1764,5	—	2094,5	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	—	1	114	—	1475,5	19	59,3	16	1902,5	—	2132,5	402	294								
225	450	350 ^{H7}	24	ø60	400	6	—	11	124	—	1490,5	19	64,4	18	1945,5	—	2197,5	466	368								

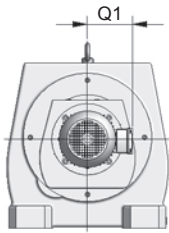
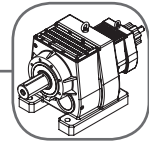
* Dimensões em mm

Dimensões

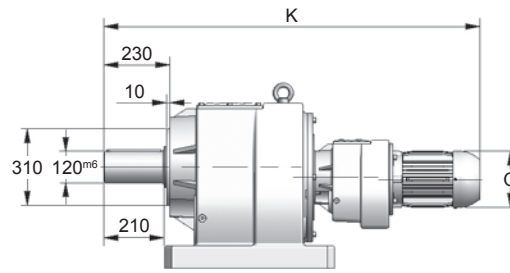
Tamanho **68-62**

Fixação por pés - N

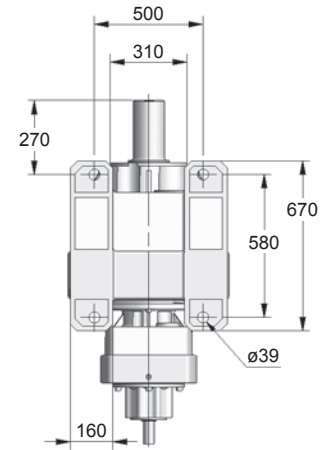
Duplex (4 estágios)



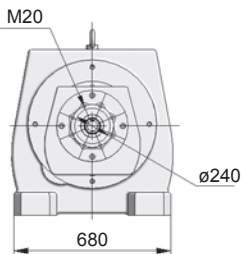
Vista frontal do motor



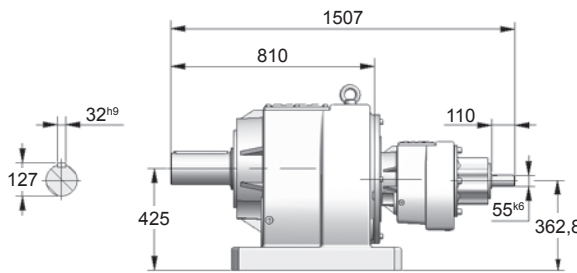
Entrada motor Weg tipo 1



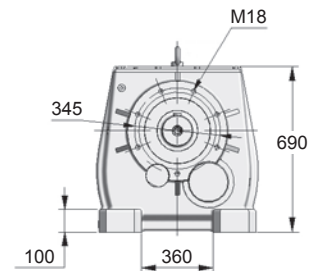
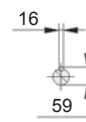
Detalhe dos pés



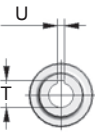
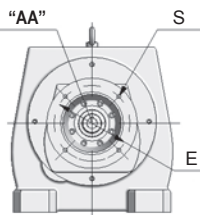
Vista lado da entrada



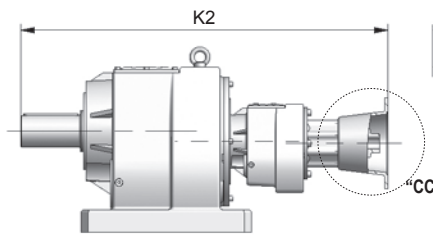
Entrada eixo integral



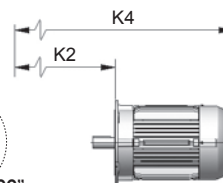
Vista lado da saída



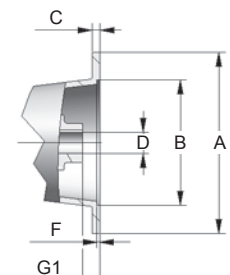
Detalhe "AA"



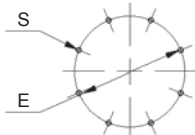
Entrada flange lanterna



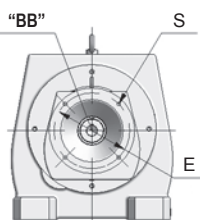
Entrada flange lanterna + motor standard*



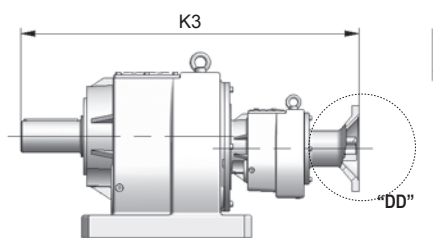
Detalhe "CC"



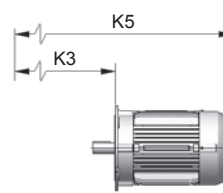
Furação para A > 400



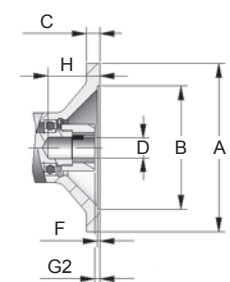
Detalhe "BB"



Entrada flange KTR



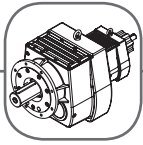
Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico							
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1572	1332	15	31,3	8	1582	1888	1648	198	160
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1572	1332	15	31,3	8	1598	1905	1665	235	180
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1592	1387	15	41,3	10	1681	1964	1759	274	207
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1592	1387	15	41,3	10	1719	2002	1797	274	207
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1622	1435	19	45,3	12	1732	2110	1923	317	250
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1622	1435	19	45,3	12	1776	2154	1967	317	250
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1622	1435	19	51,8	14	1806	2176	1989	360	270
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1622	1480	19	59,3	16	1769	2241	2099	402	294
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1622	1480	19	59,3	16	1907	2279	2137	402	294
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1652	1495	19	64,4	18	1956	2359	2202	466	368
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2032	—	—	491	368
280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2144	—	—	578	463

* Dimensões em mm

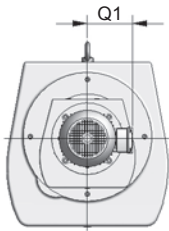


Fixação por flange - F__

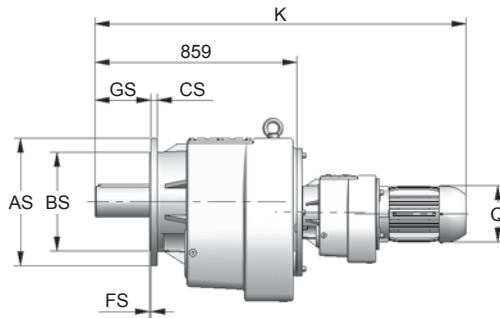
Duplex (4 estágios)

Dimensões

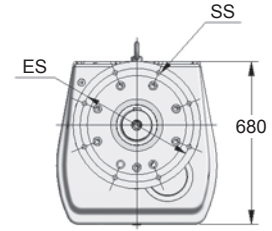
Tamanho **68-62**



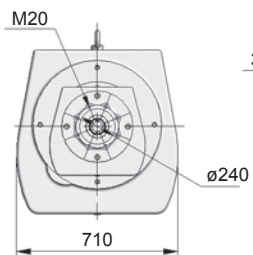
Vista frontal do motor



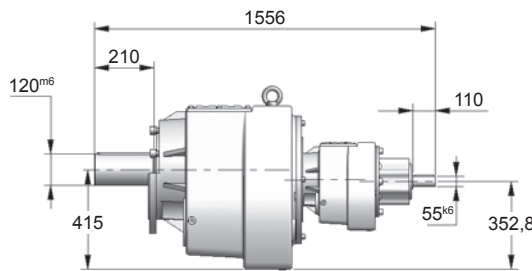
Entrada motor Weg tipo 1



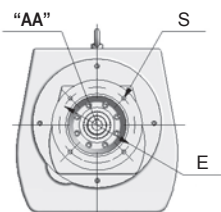
Vista lado da saída



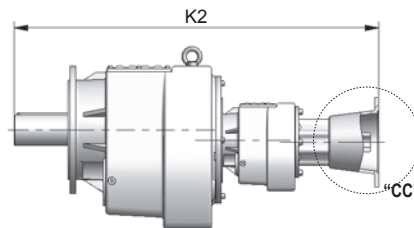
Vista lado da entrada



Entrada eixo integral

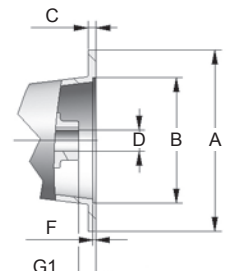


Detalhe "AA"

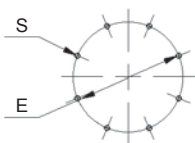


Entrada flange lanterna

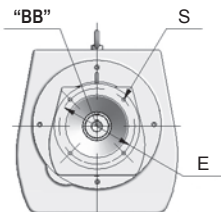
Entrada flange lanterna + motor standard*



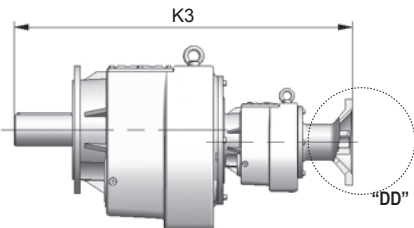
Detalhe "CC"



Furação para A > 400

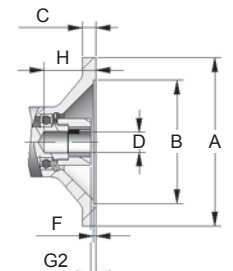


Detalhe "BB"



Entrada flange KTR

Entrada flange KTR + motor standard*



Detalhe "DD"

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída													
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS			
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1621	1381	15	31,3	8	1631	1937	1697	198	160	K	550	450 ^{L7}	25	500	5	210	17,5			
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1621	1381	15	31,3	8	1647	1954	1714	235	180	L	660	550 ^{L7}	28	600	6	210	22			
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1641	1436	15	41,3	10	1730	2013	1808	274	207											
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1641	1436	15	41,3	10	1768	2051	1846	274	207											
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1671	1484	19	45,3	12	1781	2159	1972	317	250											
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1671	1484	19	45,3	12	1825	2203	2016	317	250											
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1671	1484	19	51,8	14	1855	2225	2038	360	270											
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1671	1529	19	59,3	16	1818	2290	2148	402	294											
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1671	1529	19	59,3	16	1956	2328	2186	402	294											
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1701	1544	19	64,4	18	2005	2408	2251	466	368											
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2081	—	—	491	368											
280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2193	—	—	578	463											

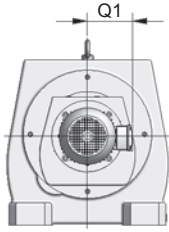
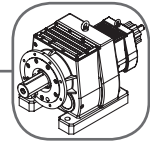
* Dimensões em mm

Dimensões

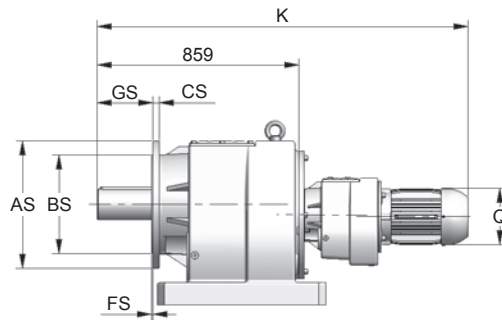
Tamanho **68-62**

Fixação por pés e flange - G _ _

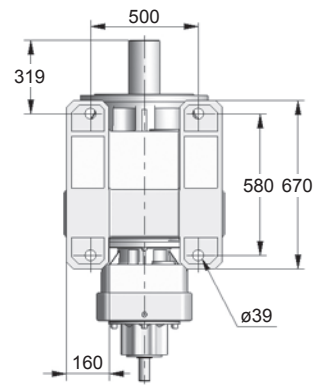
Duplex (4 estágios)



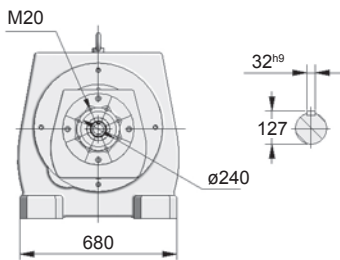
Vista frontal do motor



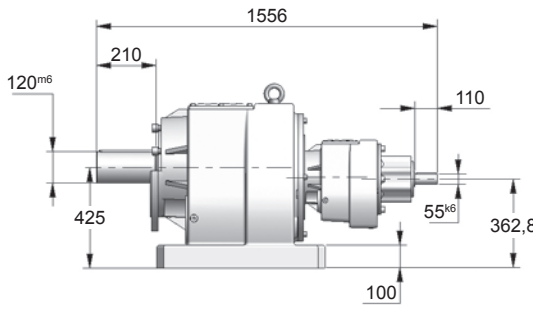
Entrada motor Weg tipo 1



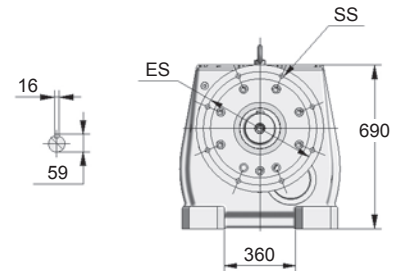
Detalhe dos pés



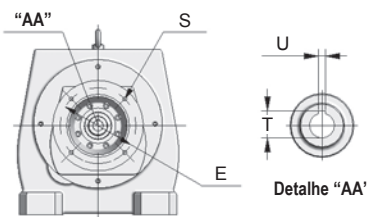
Vista lado da entrada



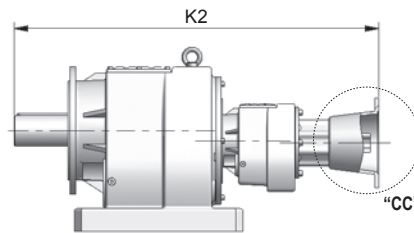
Entrada eixo integral



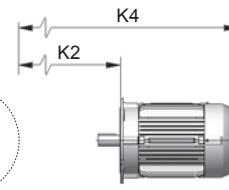
Vista lado da saída



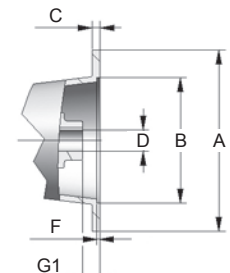
Detalhe "AA"



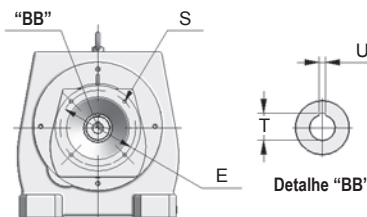
Entrada flange lanterna



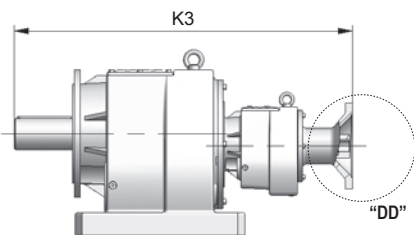
Entrada flange lanterna + motor standard*



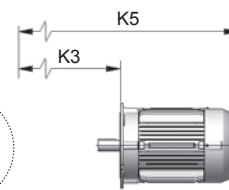
Detalhe "CC"



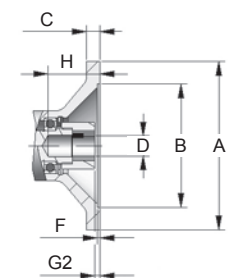
Detalhe "BB"



Entrada flange KTR



Entrada flange KTR + motor standard*

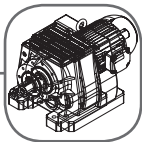


Detalhe "DD"

13

Carcaça	Flange Lanterna / KTR											Motor Elétrico					Flange de saída										
	A	B	C	D	E	F	G1	G2	H	K2	K3	S	T	U	K	K4	K5	Q	Q1	Exec.	AS	BS	CS	ES	FS	GS	SS
100	250	180 ^{H7}	16	ø28	215	5	20	1	63	1621	1381	15	31,3	8	1631	1937	1697	198	180	K	550	450 ^{L7}	25	500	5	210	17,5
112	250	180 ^{H7}	16	ø28	215	5	20	1	63	1621	1381	15	31,3	8	1647	1954	1714	235	180	L	660	550 ^{L7}	28	600	6	210	22
132S	300	230 ^{H7}	17	ø38	265	5	30	1	83	1641	1436	15	41,3	10	1730	2013	1808	274	207								
132M	300	230 ^{H7}	17	ø38	265	5	30	1	83	1641	1436	15	41,3	10	1768	2051	1846	274	207								
160M	350	250 ^{H7}	24	ø42	300	6	40	1	112	1671	1484	19	45,3	12	1781	2159	1972	317	250								
160L	350	250 ^{H7}	24	ø42	300	6	40	1	112	1671	1484	19	45,3	12	1825	2203	2016	317	250								
180M	350	250 ^{H7}	24	ø48	300	6	40	1	113	1671	1484	19	51,8	14	1855	2225	2038	360	270								
200M	400	300 ^{H7}	24	ø55	350	6	30	1	114	1671	1529	19	59,3	16	1818	2290	2148	402	294								
200L	400	300 ^{H7}	24	ø55	350	6	30	1	114	1671	1529	19	59,3	16	1956	2328	2186	402	294								
225	450	350 ^{H7}	24	ø60	400	6	60	11	124	1701	1544	19	64,4	18	2005	2408	2251	466	368								
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2081	—	—	491	368								
280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2193	—	—	578	463								

* Dimensões em mm



Motor Weg Tipo 1

Redutor	51,52	53,54,55	56	58	60	62	64	66	68
Carcaças									
63	█	█	█						
71	█	█	█						
80	█	█	█	█	█				
90	█	█	█	█	█				
100	█	█	█	█	█	█			
112		█	█	█	█	█			
132		█	█	█	█	█	█	█	
160			█	█	█	█	█	█	█
180				█	█	█	█	█	█
200					█	█	█	█	█
225						█	█	█	█
250							█	█	█
280								█	█
315									█

Flange Compacta KTR

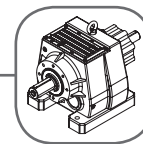
Redutor	51,52	53,54,55	56	58	60	62	64	66	68
Carcaças									
63	█	█							
71	█	█	█						
80	█	█	█	█	█				
90	█	█	█	█	█				
100		█	█	█	█	█			
112		█	█	█	█	█			
132			█	█	█	█	█	█	
160				█	█	█	█	█	█
180				█	█	█	█	█	█
200					█	█	█	█	█
225						█	█	█	█
250							█	█	█
280								█	█

Flange Lanterna

Redutor	51,52	54,55	53	56	58	60	62	64	66	68
Carcaças										
63	█	█		█						
71	█	█		█						
80	█	█		█	█	█				
90	█	█		█	█	█				
100	█	█		█	█	█	█			
112	█	█		█	█	█	█	█		
132				█	█	█	█	█	█	
160					█	█	█	█	█	█
180					█	█	█	█	█	█
200						█	█	█	█	█
225							█	█	█	█

*Tamanho 53 sob consulta.

▲ Antes de escolher um redutor com flange, verificar a tabela acima juntamente com os limites mencionados na coluna Carcaças, nas páginas de Características Técnicas (redutores).



1. Controle de recebimento

Recomendamos que, quando do recebimento de nosso Motorreductor Coaxial, seja verificado se o produto corresponde ao especificado e seu estado. Caso algum dano tenha sido percebido no produto, solicitamos a imediata comunicação do fato à transportadora e à WEG-CESTARI.

2. Armazenamento

O local de armazenamento deverá ser seco, isento de gases, fungos, agentes corrosivos e excesso de poeira. Quanto a forma de armazenamento o produto deverá, preferencialmente, ser guardado na posição de trabalho.

3. Instalação

As pontas dos eixos e superfícies de fixação são protegidas por uma fina camada de verniz anticorrosivo. Este verniz deverá ser removido, quando da instalação, utilizando-se solventes normais.

ATENÇÃO: O solvente não poderá atingir os retentores e jamais use lixa para remoção do verniz.

O Motorreductor deverá ser instalado na posição de trabalho, sobre uma base plana e rígida, permitindo fácil acesso aos dispositivos de lubrificação. Na conexão entre equipamento e Motorreductor é importante um alinhamento preciso.

Quando for acoplada polia, engrenagem ou roda dentada no eixo do Motorreductor, será necessário observar o paralelismo entre os eixos envolvidos, sendo aconselhável que o ponto de aplicação da carga esteja o mais próximo possível da carcaça do redutor.

A montagem do elemento de transmissão deverá ser feita com todo cuidado para evitar danos ao Motorreductor (se necessário utilize o furo de centro rosqueado, na ponta do eixo do redutor, para o travamento axial do elemento de transmissão).

Deverá ser instalado de tal maneira que a carcaça do redutor quando em funcionamento seja pressionada contra a base.

4. Operação

Os Motorredutores Coaxial são fornecidos prontos para operação. Contudo, antes de iniciar a operação é conveniente verificar o nível do lubrificante. Para evitar vazamento de lubrificante durante o transporte é utilizado um bujão normal, que deverá ser substituído pelo bujão com respiro antes do início de operação.

5. Conexão elétrica

A perfeita ligação à rede é fundamental para o bom funcionamento do motor elétrico.

Ao instalar o motor elétrico devem ser observadas as tensões, frequências normais, ambiente (temperatura, ambiente agressivo), altitude e bitola correta dos fios de alimentação.

O esquema de ligação que consta na plaqueta de identificação dos motores deve ser seguido rigorosamente; caso seja necessária a alteração do sentido de rotação, as fases de ligação deverão ser invertidas.

Para maior proteção do usuário, o motor, assim como todo equipamento elétrico, deve possuir uma conexão que o ligue à terra.

6. Manutenção

Os Motorredutores Coaxial requerem um mínimo de manutenção. Ela é limitada ao controle regular do lubrificante, que deverá ser trocado conforme a Tabela 9 - Tempo de Troca de Óleo, conforme o óleo que está sendo utilizado, sendo que, para condições normais, o óleo fornecido é o Óleo Mineral CLP. Nas primeiras 500 horas de operação, recomenda-se a verificação da qualidade do óleo e, se houver contaminação por partículas, recomenda-se a troca do mesmo e o acompanhamento do redutor.

A temperatura de operação é a temperatura do óleo lubrificante após o período de estabilização da temperatura em plena carga (aproximadamente 3 horas de funcionamento contínuo), sendo que a temperatura externa da carcaça é aproximadamente 15°C menor que a temperatura de operação (temperatura do óleo).

A temperatura de operação para os redutores WEG-CESTARI é de 18°C (mínima) e 90°C (máxima), em condições normais de funcionamento.

Para trocar o óleo é necessário remover o bujão de dreno e o respiro, devendo o óleo ser drenado ainda quente, para facilitar o escoamento e a limpeza. Recomenda-se lavar o redutor com óleo da mesma marca e tipo, porém com viscosidade menor, e verificação da limpeza de funis e bujões utilizados.

Em caso de condições desfavoráveis de ambiente (alta umidade, agressividade, poeira), recomenda-se reduzir o tempo de troca recomendado, devendo ser consultada a WEG-CESTARI para orientação específica.

ATENÇÃO: Não misture óleos de diferentes tipos ou de diferentes marcas.

Em determinadas execuções existem mancais que são lubrificados a graxa. Tais pontos possuem lubrificação permanente ou então niples de relubrificação.

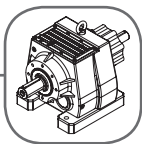
7. Reparos

Os reparos e eventuais desmontagens deverão ser realizados por pessoas qualificadas. Caso isto não seja possível, a unidade deverá ser enviada a WEG-CESTARI para execução do serviço.

Quando for necessária a substituição de algum componente, o cliente deverá contactar a WEG-CESTARI, fornecendo o número de série do Motorreductor (ver plaqueta de identificação), através do qual poderemos identificar mais rapidamente o componente desejado.

8. Lubrificação

A tabela 10 fornece os tipos de lubrificantes recomendados e respectivos fabricantes. A quantidade de lubrificante indicado na plaqueta de identificação e nas tabelas 11 e 12, serve como valor de referência. O volume exato é determinado pelo bujão de nível de óleo.


Tabela 9 Tempo de troca de óleo

Temperatura de Operação	Óleo Mineral CLP	Óleo Sintético CLP HCHidrocarbons	Óleo Sintético CLP PG Polyglycol
80° C	5000 horas	15000 horas	25000 horas
85° C	3500 horas	10000 horas	18000 horas
90° C	2500 horas	7500 horas	13000 horas
95° C	2000 horas	6000 horas	8500 horas
100° C	—	3800 horas	6000 horas
105° C	—	2500 horas	4000 horas
110° C	—	2000 horas	3000 horas

Tabela 10 Óleos lubrificantes

Óleo para redutores				
Temperatura ambiente	-10°C + 40°C	-10°C + 40°C	+40°C +80°C	-40°C +10°C
Grau de Viscosidade ISO VG DIN 51519	ISO VG 220 CLP* DIN 51517-3	ISO VG 220 CLP HC	ISO VG 220 CLP PG	ISO VG 32 CLP HC
Fabricantes				
Castrol	Optigear BM 220	—	—	—
Repsol/YPF	Transmisión EP 220	—	—	—
Kluber	Kluberoil GEM1 - 220N	Klubersynth EG4 - 220	Klubersynth GH6 - 220	Kluber-Summit HySyn FG-32
Mobil	Mobilgear 630	Mobil SHC 630	Mobil Glycolyle 30	Mobil SHC 624
Petrobrás	Lubrux Industrial EGF220-PS	Lubrux Syntesis Gear O 220	—	—
Shell	Omala 220	Omala 220 HD	Shell Tivela WB	—
Texaco	Meropa 220	Pinnacle EP 220	Synlube CLP 220	Cetus PAO 46
Material do retentor	Nitrílica NBR	NBR / FPM	Viton FPM	Nitrílica NBR

*Óleo padrão

**Óleo lubrificante para a indústria alimentícia e farmacêutica com requisitos do registro NSF H1 - sob consulta

Tabela 11 Quantidade de lubrificante em litros dos redutores simples e redutores do 2º estágio dos redutores Duplex

Posição de trabalho	Tamanho do redutor										
	51	52	53,54	55	56	58	60	62	64	66	68
P1	0,3	0,7	0,8	1,1	1,5	3,0	5,0	5,3	7,0	16,0	27,0
P2	1,0	2,2	2,3	3,9	3,9	8,2	12,6	21,0	32,0	52,0	82,0
P3	0,6	1,3	1,4	2,4	2,4	4,5	7,6	12,3	17,0	48,0	78,0
P4	1,0	2,2	2,3	3,8	3,8	8,0	12,6	21,0	32,0	52,0	82,0
P5	0,5	1,8	1,9	2,4	2,4	4,5	7,6	12,3	17,0	40,0	66,0
P6	0,7	1,7	1,8	2,6	2,6	4,7	8,2	13,5	21,0	41,0	69,0

Tabela 12 Quantidade de lubrificante em litros dos redutores do 1º estágio dos redutores Duplex

Posição de trabalho	Tamanho do redutor													
	51	52	53	54	55	56	58	60	62	64	66/58	66/56	68/60	68/62
P1	0,3	0,3	-	0,7	0,7	0,7	0,8	0,8	1,5	1,5	3,0	1,5	5,0	5,3
P2	1,0	1,0	-	2,2	2,2	2,2	2,3	2,3	3,9	3,9	8,2	3,9	12,6	21,0
P3	0,6	0,6	-	1,3	1,3	1,3	1,4	1,4	2,4	2,4	4,5	2,4	7,6	12,3
P4	1,0	1,0	-	2,2	2,2	2,2	2,3	2,3	3,8	3,8	8,0	3,8	12,6	21,0
P5	0,5	0,5	-	1,8	1,8	1,8	1,9	1,9	2,4	2,4	4,5	2,4	7,6	12,3
P6	0,7	0,7	-	1,7	1,7	1,7	1,8	1,8	2,6	2,6	4,7	2,6	8,2	13,5

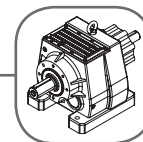


Tabela 13 Unidades - Grandezas e símbolos

Grandezas Físicas	Símbolo	Unidade SI	Abreviatura da unidade
Tempo	t	Segundo	s
Espaço	s	Metro	m
Velocidade Escalar	v	Metro por segundo	m/s
Aceração Escalar	α	Metro por segundo ao quadrado	m/s ²
Massa	m	Quilograma	kg
Força	F	Newton	N
Trabalho	τ	Joule	J
Energia	E	Joule	J
Potência	Pot	Watt	W
Impulso	I	Newton x segundo	N . s
Quantidade de movimento	Q	Quilograma x metro por segundo	kg . m/s
Pressão	P	Newton por metro quadrado ou pascal	N/m ² ou Pa
Densidade	d	Quilograma por metro cúbico	kg/m ³

Tabela 14 Conversões de unidades

Multiplique	por	para obter
Atmosfera física (atm) 760 mmHg	101.325	Pa
Bar	100.000	Pa
Cavalo vapor (CV)	0,7355	KW
Dina (dyn)	0,00001	N
Pé (ft)	12	in
Pé (ft)	0,3048	m
Galão (U.S. liquid) (gal)	3,785412	dm ³
Galão (U.K. liquid) (Imp. gal)	4,546087	dm ³
Horsepower (HP)	0,7457	KW
Polegada (in)	0,0254	m
Kilograma força Kgf)	9,80665	N
Kilopond (Kp)	9,80665	N
Kilopound (Kip)	4448,222	N
Metros cúbicos (m ³)	1.000	litros (l)
Milha, U.S. statute	1609,343	m
Nó (U.S. Knot)	0,514791	m/s
Onça (avoirdupois) (oz)	28,4131	g
Onça (troy) (oz tr)	31,10348	g
Poise (p)	0,1	N , s/m ²
Pound (avoirdupois) (lb)	0,4536	kg
Pound (avoirdupois) (lb)	16	onca (avdp)
Libra-força por poleg. quadr. (psi)	0,070306	kgf/cm ²
Libra-força por poleg. quadr. (psi)	6894,757	Pa
RPM	0,1047	radianos / s
Stoke (St)	0,0001	m ² / s
Tonelada (t)	1.000	kg
Torr	133,322	Pa
Jarda (yd)	3	ft
Jarda (yd)	0,9144	m

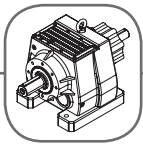
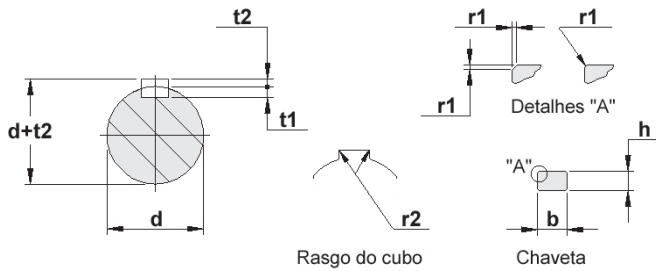


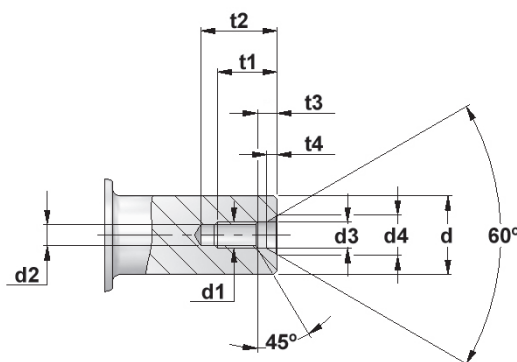
Tabela 15 Chavetas plana - Norma DIN 6885 - Folha 1



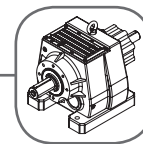
Tolerâncias recomendadas		
Rasgo da chaveta no cubo	Maior pressão Menor pressão	P9 JS9
Rasgo de chaveta no eixo	Maior pressão Menor pressão	P9 N9
Chaveta plana	Altura Largura	h11 h9

Diâmetro do eixo	Largura b	Altura h	Profundidade do rasgo		Tolerância para t1 e t2	Cantos do rasgo do cubo r2		Cantos da chaveta r1	
			Eixo t1	Cubo t2		mínimo	máximo	mínimo	máximo
> 8 a 10	3	3	1,8	1,4	+ 0,1	0,08	0,16	0,16	0,25
> 10 a 12	4	4	2,5	1,8	+ 0,1	0,08	0,16	0,16	0,25
> 12 a 17	5	5	3	2,3	+ 0,1	0,16	0,25	0,25	0,40
> 17 a 22	6	6	3,5	2,8	+ 0,1	0,16	0,25	0,25	0,40
> 22 a 30	8	7	4	3,3	+ 0,2	0,16	0,25	0,25	0,40
> 30 a 38	10	8	5	3,3	+ 0,2	0,25	0,40	0,40	0,60
> 38 a 44	12	8	5	3,3	+ 0,2	0,25	0,40	0,40	0,60
> 44 a 50	14	9	5,5	3,8	+ 0,2	0,25	0,40	0,40	0,60
> 50 a 58	16	10	6	4,3	+ 0,2	0,25	0,40	0,40	0,60
> 58 a 65	18	11	7	4,4	+ 0,2	0,25	0,40	0,40	0,60
> 65 a 75	20	12	7,5	4,9	+ 0,2	0,4	0,6	0,6	0,8
> 75 a 85	22	14	9	5,4	+ 0,2	0,4	0,6	0,6	0,8
> 85 a 95	25	14	9	5,4	+ 0,2	0,4	0,6	0,6	0,8
> 95 a 110	28	16	10	6,4	+ 0,2	0,4	0,6	0,6	0,8
> 110 a 130	32	18	11	7,4	+ 0,2	0,4	0,6	0,6	0,8
> 130 a 150	36	20	12	8,4	+ 0,3	0,7	1	1	1,2
> 150 a 170	40	22	13	9,4	+ 0,3	0,7	1	1	1,2
> 170 a 200	45	25	15	10,4	+ 0,3	0,7	1	1	1,2
> 200 a 230	50	28	17	11,4	+ 0,3	0,7	1	1	1,2
> 230 a 260	56	32	20	12,4	+ 0,3	1,2	1,6	1,6	2
> 260 a 290	63	32	20	12,4	+ 0,3	1,2	1,6	1,6	2
> 290 a 330	70	36	22	14,4	+ 0,3	1,2	1,6	1,6	2
> 330 a 380	80	40	25	15,4	+ 0,3	2	2,5	2,5	3
> 380 a 440	90	45	28	17,4	+ 0,3	2	2,5	2,5	3
> 440 a 500	100	50	31	19,5	+ 0,3	2	2,5	2,5	3

Tabela 16 Furos de centro 60° com rosca métrica - Norma DIN 332 - Folha 2 - Forma B



Eixos d	d1	Diâmetro				Profundidade			
		d2	d3	d4	t1	t2	t3	~t4	
> 7 a 10	M3	2,5	3,2	5,3	9	13	2,6	1,8	
> 10 a 13	M4	3,3	4,3	6,7	10	14	3,2	2,1	
> 13 a 16	M5	4,2	5,3	8,1	12,5	17	4	2,4	
> 16 a 21	M6	5	6,4	9,6	16	21	5	2,8	
> 21 a 24	M8	6,8	8,4	12,2	19	25	6	3,3	
> 24 a 30	M10	8,5	10,5	14,9	22	30	7,5	3,8	
> 30 a 38	M12	10,2	13	18,1	28	37,5	9,5	4,4	
> 38 a 50	M16	14	17	23	36	45	12	5,2	
> 50 a 85	M20	17,5	21	28,4	42	53	15	6,4	
> 85 a 130	M24	21	25	34,2	50	63	18	8	

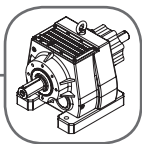


Furos - Afastamentos em μm (0,001 mm)

Dimensões do furo em mm	Campos de tolerância																									
	F7	F8	G6	G7	J7	H7	H8	H9	J7	J7	JS6	JS7	JS8	JS9	K6	K7	M6	M7	N6	N7	N8	N9	P6	P7	P8	P9
>3 até 6	+22 +10	+28 +10	+12 +4	+16 +4	+8 0	+12 0	+18 0	+30 0	+5 -3	+6 -6	+4 -4	+6 -6	+9 -9	+15 -15	+2 -6	+3 -9	-1 -9	0 -12	-5 -13	-4 -16	-2 -20	0 -30	-9 -17	-8 -20	-12 -30	-12 -42
>6 até 10	+28 +13	+35 +13	+14 +5	+20 +5	+9 0	+15 0	+22 0	+36 0	+5 -4	+8 -7	+4,5 -4,5	+7,5 -7,5	+11 -11	+18 -18	+2 -7	+5 -10	-3 -12	0 -15	-7 -16	-4 -19	-3 -25	0 -36	-12 -21	-9 -24	-15 -37	-15 -51
>10 até 18	+34 +16	+43 +16	+17 +6	+24 +6	+11 0	+18 0	+27 0	+43 0	+6 -5	+10 -8	+5,5 -5,5	+9 -9	+13,5 -13,5	+21,5 -21,5	+2 -9	+6 -12	-4 -15	0 -18	-9 -20	-5 -23	-3 -30	0 -43	-15 -26	-11 -29	-18 -45	-18 -61
>18 até 30	+41 +20	+53 +20	+20 +7	+28 +7	+13 0	+21 0	+33 0	+52 0	+8 -5	+12 -9	+6,5 -6,5	+10,5 -10,5	+16,5 -16,5	+26 -26	+2 -11	+6 -15	-4 -17	0 -21	-11 -24	-7 -28	-3 -36	0 -52	-18 -31	-14 -35	-22 -55	-22 -74
>30 até 50	+50 +25	+64 +25	+25 +9	+34 +9	+16 0	+25 0	+39 0	+62 0	+10 -6	+14 -11	+8 -8	+12,5 -12,5	+19,5 -19,5	+31 -31	+3 -13	+7 -18	-4 -20	0 -25	-12 -28	-8 -33	-3 -42	0 -62	-21 -37	-17 -42	-26 -65	-26 -88
>50 até 80	+60 +30	+76 +30	+29 +10	+40 +10	+19 0	+30 0	+46 0	+74 0	+13 -6	+18 -12	+9,5 -9,5	+15 -15	+23 -23	+37 -37	+4 -15	+9 -21	-5 -24	0 -30	-14 -33	-9 -39	-4 -50	0 -74	-26 -45	-21 -51	-32 -78	-32 -106
>80 até 120	+71 +36	+90 +36	+34 +12	+47 +12	+22 0	+35 0	+54 0	+87 0	+16 -6	+22 -13	+11 -11	+17,5 -17,5	+27 -27	+43,5 -43,5	+4 -18	+10 -25	-6 -28	0 -35	-16 -38	-10 -45	-4 -58	0 -87	-30 -52	-24 -59	-37 -91	
>120 até 180	+83 +43	+106 +43	+39 +14	+54 +14	+25 0	+40 0	+63 0	+100 0	+18 -7	+26 -14	+12,5 -12,5	+20 -20	+31,5 -31,5	+50 -50	+4 -21	+12 -28	-8 -33	0 -40	-20 -45	-12 -52	-4 -67	0 -100	-36 -61	-28 -68	-43 -106	
>180 até 250	+96 +50	+122 +50	+44 +15	+61 +15	+29 0	+46 0	+72 0	+115 0	+22 -7	+30 -16	+14,5 -14,5	+23 -23	+36 -36	+57,5 -57,5	+5 -24	+13 -33	-8 -37	0 -46	-22 -51	-14 -60	-5 -77	0 -115	-41 -70	-33 -79	-50 -122	
>250 até 315	+108 +56	+137 +56	+49 +17	+69 +17	+32 0	+52 0	+81 0	+130 0	+25 -7	+36 -16	+16 -16	+26 -26	+40,5 -40,5	+65 -65	+5 -27	+16 -36	-9 -41	0 -52	-25 -57	-14 -66	-5 -86	0 -130	-47 -79	-36 -88	-56 -137	

Eixos - Afastamentos em μm (0,001 mm)

Dimensões do eixo em mm	Campos de tolerância																										
	f6	f7	g5	g6	h5	j7	h7	h8	h9	j5	j7	j7	js5	js6	js7	k5	k6	k7	m5	m6	m7	n5	n6	n7	p5	p6	p7
>3 até 6	-10 -18	-10 -22	-4 -9	-4 -12	0 -5	0 -8	0 -12	0 -18	0 -30	+3 -2	+6 -2	+8 -4	+2,5 -2,5	+4 -4	+6 -6	+6 +1	+9 +1	+13 +1	+9 +4	+12 +4	+16 +4	+13 +8	+16 +8	+20 +8	+17 +8	+20 +12	+24 +12
>6 até 10	-13 -22	-13 -28	-5 -11	-5 -14	0 -6	0 -9	0 -15	0 -22	0 -36	+4 -2	+7 -2	+10 -5	+3 -3	+4,5 -4,5	+7,5 -7,5	+7 +1	+10 +1	+16 +1	+12 +6	+15 +6	+21 +6	+16 +10	+19 +10	+25 +10	+21 +10	+24 +15	+30 +21
>10 até 18	-16 -27	-16 -34	-6 -14	-6 -17	0 -8	0 -11	0 -18	0 -27	0 -43	+5 -3	+8 -3	+12 -6	+4 -4	+5,5 -5,5	+9 -9	+9 +1	+12 +1	+19 +1	+15 +7	+18 +7	+25 +7	+20 +12	+23 +12	+30 +12	+26 +18	+29 +18	+36 +18
>18 até 30	-20 -33	-20 -41	-7 -16	-7 -20	0 -9	0 -13	0 -21	0 -33	0 -52	+5 -4	+9 -4	+13 -8	+4,5 -4,5	+6,5 -6,5	+10,5 -10,5	+11 +2	+15 +2	+23 +2	+17 +8	+21 +8	+29 +8	+24 +15	+28 +15	+36 +15	+31 +22	+35 +22	+43 +22
>30 até 50	-25 -41	-25 -50	-9 -20	-9 -25	0 -11	0 -16	0 -25	0 -39	0 -62	+6 -5	+11 -5	+15 -10	+5,5 -5,5	+8 -8	+12,5 -12,5	+13 +2	+18 +2	+27 +2	+20 +9	+25 +9	+34 +9	+28 +17	+33 +17	+42 +17	+37 +26	+42 +26	+51 +26
>50 até 80	-30 -49	-30 -60	-10 -23	-10 -29	0 -13	0 -19	0 -30	0 -46	0 -74	+6 -7	+12 -7	+18 -12	+6,5 -6,5	+9,5 -9,5	+15 -15	+15 +2	+21 +2	+32 +2	+24 +11	+30 +11	+41 +11	+33 +20	+39 +20	+50 +20	+45 +32	+51 +32	+62 +32
>80 até 120	-36 -58	-36 -71	-12 -27	-12 -34	0 -15	0 -22	0 -35	0 -54	0 -87	+6 -9	+13 -9	+20 -15	+7,5 -7,5	+11 -11	+17,5 -17,5	+18 +3	+25 +3	+38 +3	+28 +13	+35 +13	+48 +13	+38 +23	+45 +23	+58 +23	+52 +37	+59 +37	+72 +37
>120 até 180	-43 -68	-43 -83	-14 -32	-14 -39	0 -18	0 -25	0 -40	0 -63	0 -100	+7 -11	+14 -11	+22 -18	+9 -9	+12,5 -12,5	+20 -20	+21 +3	+28 +3	+43 +3	+33 +15	+40 +15	+55 +15	+45 +27	+52 +27	+67 +27	+61 +43	+68 +43	+83 +43
>180 até 250	-50 -79	-50 -96	-15 -35	-15 -44	0 -20	0 -29	0 -46	0 -72	0 -115	+7 -13	+16 -13	+25 -21	+10 -10	+14,5 -14,5	+23 -23	+24 +4	+33 +4	+50 +4	+37 +17	+46 +17	+63 +17	+51 +31	+60 +27	+77 +27	+70 +50	+79 +50	+96 +50
>250 até 315	-56 -88	-56 -108	-17 -40	-17 -49	0 -23	0 -32	0 -52	0 -81	0 -130	+7 -16	+16 -16	+26 -26	+11,5 -11,5	+16 -16	+26 -26	+27 +4	+36 +4	+56 +4	+43 +20	+52 +20	+72 +20	+57 +34	+66 +34	+86 +34	+79 +56	+88 +56	+108 +56



Peso dos Redutores (kg)

Simples	Redutores	Motorredutores																	
		63 B	71 C	80 D	90S E	90L F	100 G	112 H	132S J	132M K	160M L	160L M	180 N/P	200M Q	200L R	225 S	250 U	280 V	315 W
51	14	22	25	30	35	37	47	—	—	—	—	—	—	—	—	—	—	—	—
52	16	24	27	32	37	39	49	—	—	—	—	—	—	—	—	—	—	—	—
53	16	24	27	32	37	39	49	62	81	91	—	—	—	—	—	—	—	—	—
54	25	33	36	41	46	48	58	69	87	97	—	—	—	—	—	—	—	—	—
55	33	41	44	49	54	56	66	77	95	105	—	—	—	—	—	—	—	—	—
56	44	52	55	60	65	67	77	88	106	116	158	172	—	—	—	—	—	—	—
58	70	78	81	86	91	93	103	114	132	142	184	198	228	—	—	—	—	—	—
60	120	—	—	136	141	143	153	164	182	192	234	248	278	336	372	—	—	—	—
62	180	—	—	—	—	—	213	224	242	252	294	308	338	396	432	566	—	—	—
64	250	—	—	—	—	—	283	294	312	322	364	378	408	466	502	636	736	—	—
66	360	—	—	—	—	—	—	—	422	432	474	488	518	576	612	746	846	1113	—
68	600	—	—	—	—	—	—	—	—	—	714	728	758	816	852	986	1086	1353	1610
Duplex	Redutores	63 B	71 C	80 D	90S E	90L F	100 G	112 H	132S J	132M K	160M L	160L M	180 N/P	200M Q	200L R	225 S	250 U	280 V	315 W
51	28	36	39	44	49	51	61	—	—	—	—	—	—	—	—	—	—	—	—
52	30	38	41	46	51	53	63	—	—	—	—	—	—	—	—	—	—	—	—
53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
54	41	49	52	57	62	64	74	—	—	—	—	—	—	—	—	—	—	—	—
55	49	57	60	65	70	72	82	—	—	—	—	—	—	—	—	—	—	—	—
56	60	68	71	76	81	83	93	—	—	—	—	—	—	—	—	—	—	—	—
58	95	103	106	111	116	118	128	139	157	167	—	—	—	—	—	—	—	—	—
60	145	153	156	161	166	168	178	189	207	217	—	—	—	—	—	—	—	—	—
62	224	232	235	240	245	247	257	268	286	296	338	352	—	—	—	—	—	—	—
64	294	302	305	310	315	317	327	338	356	366	408	422	—	—	—	—	—	—	—
664	430	438	441	446	451	453	463	474	492	502	544	558	588	—	—	—	—	—	—
665/666	404	412	415	420	425	427	437	448	466	476	518	532	—	—	—	—	—	—	—
684	780	—	—	—	—	—	813	824	842	852	894	908	938	996	1032	1166	—	—	—
685/686	720	—	—	736	741	743	753	764	782	792	834	848	878	936	972	—	—	—	—



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