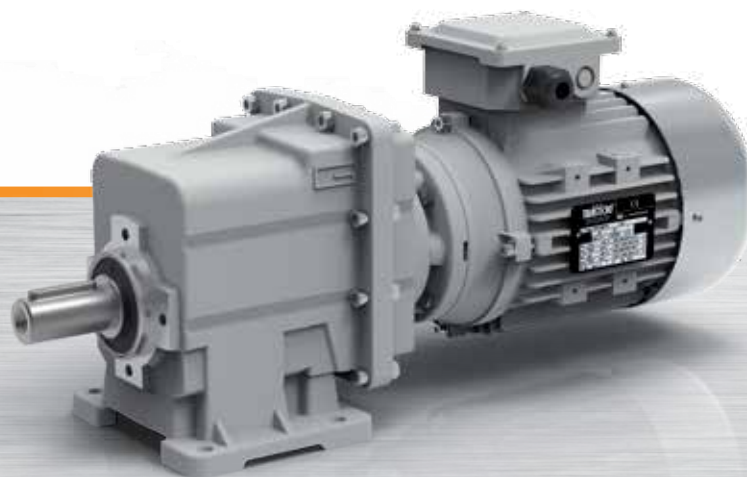
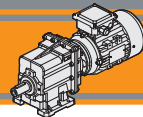


Motorreductores de engranajes cilíndricos
Motoredutores de engrenagens helicoidais
Helical in-line gearmotors



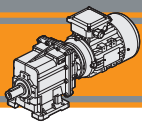


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Clasificación	<i>Designação</i>	Classification	B2
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CMG

Motorreductores de engranajes cilíndricos
Motoredutores de engrenagens helicoidais
Helical in-line gearmotors

60 Hz

Características técnicas

Los motorreductores a engranajes cilíndricos de la serie CMG son caracterizados por un elevado grado de modularidad: partiendo de un cuerpo base, es posible configurarlo de acuerdo a las exigencias, con brida o base.

Características comunes para toda la serie:

- Cuerpo y bridas de entrada en inyección de aluminio;
- Bridas de salida y base en fierro vaciado;
- Engranajes siempre rectificadas;
- Lubricación permanente con aceite sintético.

Características técnicas

Os redutores da série CMG são caracterizados por um elevado grau de modularidade: partindo de um corpo de base, é possível configurá-lo de acordo com as exigências, com flange ou pé.

Características comuns a toda a série:

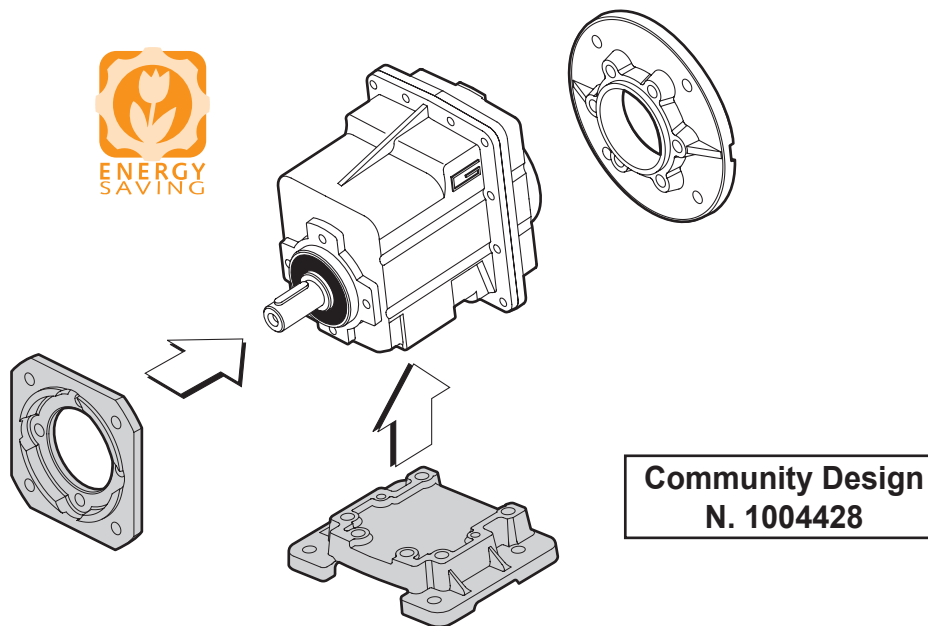
- *Carcaça e flange PAM em pressofusão de alumínio para os tamanhos;*
- *Pé e flange de saída em ferro fundido;*
- *Engrenagens sempre retificadas;*
- *Lubrificação permanente com óleo sintético.*

Technical features

The high degree of modularity is a design feature of CMG helical in-line gearmotors range. It is possible to set up the version required using flanges or feet.

The main features of CMG range are:

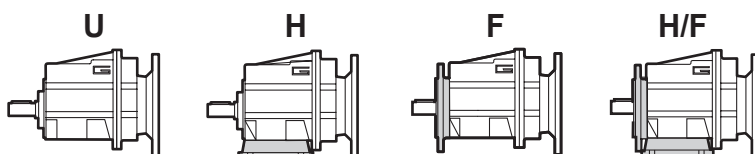
- Die-cast aluminum housings and input flanges for sizes 00, 01, 02, 03 and 04;
- Cast iron feet and output flanges;
- Ground-hardened helical gears;
- Permanent synthetic oil long-life lubrication.



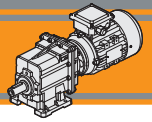
Clasificación

Designação

Classification



REDUCTOR / REDUTOR / GEARBOX							
CMG	01	2	H65	9.81	D20	71	B14
Tipo Tipo Type	Tamaño Tamanho Size	Etapas Estágios Stages	Versión Versão Version	Relación de reducción Rapporto Ratio	∅ Eje de salida ∅ Eixo saída ∅ Output shaft	IEC 	Forma constructiva Forma construtiva Version
CMG	00 01 02 03 04	2 3	U... H... F... H.../F...	Véase tablas Veja tabelas see tables	Véase tablas Veja tabelas see tables	56.. — 112..	B5 B14



Clasificación

Designação

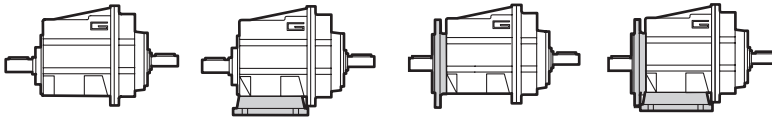
Classification

U

H

F

H/F



REDUCTOR / REDUTOR / GEARBOX

CMGIS	01	2	U	9.81	D20
Tipo Tipo Type	Tamaño Tamanho Size	Etapas Estágios Stages	Versión Versão Version	Relación de reducción Rapporto Ratio	Ø Eje de salida Ø Eixo saída Ø Output shaft
CMGIS	01 02 03 04	2 3	U... H... F... H.../F...	Veja tabelas Véase tablas see tables	Veja tabelas Véase tablas see tables

MOTOR / MOTOR / MOTOR

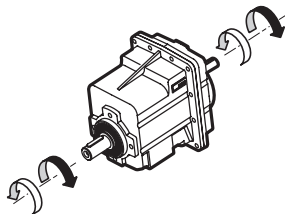
0.75kW	4p	3ph	230/400V	60Hz	T1
Potencia Potência Power	Polos Pólos Poles	Fases Fases Phases	Tensión Tensão Voltage	Frecuencia Frequência Frequency	Posición caja de bornes Pos. Conexão Terminal box pos.
Veja tabelas Véase tablas see tables	2p 4p 6p 8p	1ph 3ph	230V 230/400V	60Hz	T1 (Std) T4 T3

Sentidos de rotación

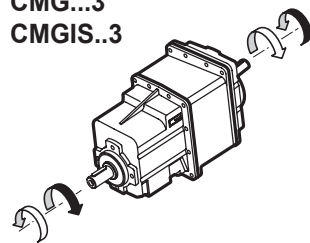
Sentidos de rotação

Direction of rotation

CMG...2
 CMGIS..2



CMG...3
 CMGIS..3

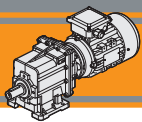


Nomenclatura

Simbologia

Legend

n_1	[rpm]	Velocidad de entrada / <i>Velocidade na entrada</i> / Input speed
n_2	[rpm]	Velocidad de salida / <i>Velocidade na saída</i> / Output speed
i		Relación de reducción / <i>Relação de redução</i> / Ratio
P_1	[kW]	Potencia en la entrada / <i>Potência da entrada</i> / Input power
M_2	[Nm]	Par en la salida en función de P_1 / <i>Torque na saída em função de P_1</i> / Output torque referred to P_1
P_{N1}	[kW]	Potencia nominal en la entrada / <i>Potência nominal na entrada</i> / Nominal input power
M_{N2}	[Nm]	Par nominal en la salida en función de P_{N1} / <i>Torque nominal na saída em função de P_{N1}</i> / Nominal output torque referred to P_{N1}
sf		Factor de servicio / <i>Fator de serviço</i> / Service factor
R_2	[N]	Carga radial admisible en la salida / <i>Carga radial admissível na saída</i> / Maximum output radial load
A_2	[N]	Carga axial admisible en la salida / <i>Carga axial admissível na saída</i> / Maximum output axial load



Lubricación

Todos los motorreductores son previamente lubricados con aceite sintético con grado de viscosidad 320, por lo tanto, pueden ser instalados en cualquier posición de montaje y no requieren mantenimiento.

Lubrificação

Todos os motoredutores são fornecidos completos de lubrificante sintético de viscosidade 320, portanto, podem ser instalados em qualquer posição de montagem e não necessitam de manutenção

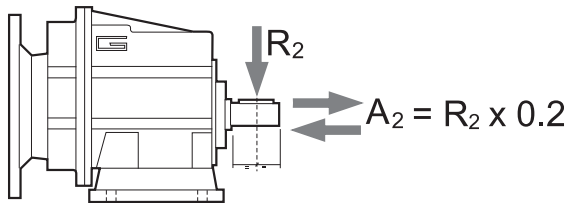
Lubrication

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting position; for this reason they can be installed in any assembly position and do not require maintenance.

Cargas radiales

Cargas radiais

Radial loads

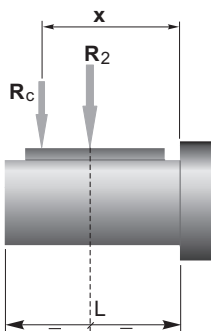


n ₂ [min ⁻¹]	R ₂ [N]				
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04
700	416	764	1529	1987	2379
600	437	805	1609	2092	2504
500	465	855	1710	2223	2661
400	501	921	1842	2395	2866
250	586	1077	2154	2801	3353
180	653	1323	2554	3321	3897
150	748	1406	2714	3529	4244
120	806	1631	3467	3801	4572
100	958	1842	3684	4507	5234
80	1032	1984	3969	5042	5991
60	1136	2184	4368	5549	6594
40	1300	2500	5000	6500	8000
10	1300	2500	5000	6500	8000

Cuando la carga radial no se aplica en el punto medio del eje, es necesario calcular la carga efectiva a través la siguiente fórmula:

Quando a carga radial resultante não é aplicada na linha mediana da eixo, é preciso calcular aquela efetiva com a seguinte fórmula:

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

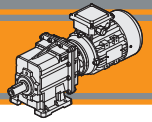


	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04
a	73	104	117	132	150
b	53	84	92	102	115
R _{2MAX}	1300	2500	5000	6500	8000

$$R_c = \frac{R_2 \cdot a}{(b + x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = valores dados en la tabla
a, b = valores referidos na tabela
a, b = values given in the table




Datos técnicos

Dados técnicos

Technical data

n_1 1750 [min⁻¹]

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motores aplicables IEC Motores aplicáveis IEC Motor adapters			
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14
CMGIS 002								
	348	40	1.5	5.03				
	287	40	1.3	6.10				
	234	40	1.0	7.49				
	195	50	1.1	8.99				
	172	50	0.94	10.16				
	145	50	0.79	12.07				
	131	70	1.00	13.40				
	116	70	0.88	15.14				
	96	70	0.74	18.17				
	81	70	0.62	21.58				*
	74	70	0.57	23.51				*
	70	70	0.53	25.10				*
	65	70	0.49	27.08				*
	54	70	0.41	32.49				*
	42	70	0.32	42.04				*
	39	70	0.30	44.89			*	*
	36	70	0.27	48.86			*	*
	32	70	0.24	55.10			*	*

NOTA

Las áreas resaltadas indican el tamaño de carcasa del motor correspondiente.

N.B.

As áreas destacadas indicam a aplicabilidade correspondente ao tamanho do motor.

N.B.

Highlighted areas indicate motor inputs available on each size of unit.



* = El Factor de servicio (sf) se deberá seleccionar con respecto a la aplicación: Favor de contactar con nuestro Servicio Técnico



* = O fator de serviço (sf) deve ser escolhido em função da aplicação: entre em contato com o nosso Serviço Técnico.

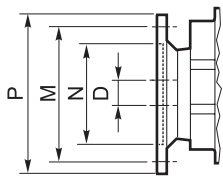


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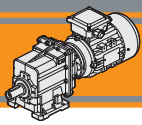
Antes de seleccionar cualquier reductor, favor de revisar los valores de desempeño en las páginas B10 a la B15.

Antes de executar a escolha do motoredutor analisar o desempenho listado nas tabelas das páginas B10 a pag. B15.

Before selecting any gearbox, please read the performance values shown in the tables on page B10 to B15.



IEC Dimensión / IEC Dimensões / IEC Dimensions								
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14
N	80	50	95	60	110	70	130	80
M	100	65	115	75	130	85	165	100
P	120	80	140	90	160	105	200	120
D	9		11		14		19	




Datos técnicos

Dados técnicos

Technical data

n_1 1750 [min⁻¹]

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 012				
	458	60	3.0	3.82
	378	60	2.5	4.63
	308	60	2.0	5.69
	227	80	2.0	7.72
	191	80	1.7	9.17
	178	80	1.6	9.81
	152	100	1.7	11.50
	147	100	1.6	11.90
	127	120	1.7	13.80
	120	120	1.6	14.62
	98	120	1.3	17.86
	92	120	1.2	19.07
	88	120	1.2	19.83
	74	120	1.0	23.56
	59	120	0.78	29.56
	49	120	0.65	35.47
	38	120	0.50	45.89
	36	120	0.47	49.00
	33	120	0.43	53.33
	29	120	0.38	60.15

IEC Motores aplicables IEC Motores aplicáveis IEC Motor adapters				
56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
				*
				*
				*
				*
				*
			*	*
			*	*
			*	*
			*	*


CMGIS 013				
	28	120	0.37	63.22
	23	120	0.31	75.08
	20	120	0.26	89.17
	15	120	0.21	113.05
	13	120	0.17	134.27
	10	120	0.13	173.72
	8.7	120	0.12	202.16
	6.7	120	0.09	261.57
	5.8	120	0.08	304.00
	4.4	120	0.06	393.33
	3.9	120	0.05	443.59


56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*


NOTA
 Las áreas resaltadas indican el tamaño de carcasa del motor correspondiente.

N.B.
 As áreas destacadas indicam a aplicabilidade correspondente ao tamanho do motor.

N.B.
 Highlighted areas indicate motor inputs available on each size of unit.

 * = El Factor de servicio (sf) se deberá seleccionar con respecto a la aplicación: Favor de contactar con nuestro Servicio Técnico

 * = O fator de serviço (sf) deve ser escolhido em função da aplicação: entre em contato com o nosso Serviço Técnico.

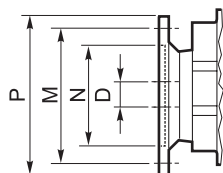
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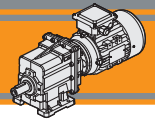
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Before selecting any gearbox, please read the performance values shown in the tables on page B10 to B15.

IEC Dimension / IEC Dimensões / IEC Dimensions										
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14
N	80	50	95	60	110	70	130	80	130	95
M	100	65	115	75	130	85	165	100	165	115
P	120	80	140	90	160	105	200	120	200	140
D	9		11		14		19		24	






Datos técnicos

Dados técnicos

Technical data

n_1 1750 [min⁻¹]

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 022				
	479	100	5.2	3.66
	395	100	4.3	4.43
	321	100	3.5	5.45
	237	120	3.1	7.39
	199	120	2.6	8.78
	176	120	2.3	9.93
	159	200	3.5	11.01
	145	200	3.2	12.05
	132	160	2.3	13.21
	118	200	2.6	14.81
	102	130	1.5	17.10
	87	200	1.9	20.08
	73	200	1.6	23.85
	58	200	1.3	29.93
	49	200	1.1	35.91
	38	200	0.82	46.46
	35	200	0.77	49.61
	32	200	0.71	54.00
	29	200	0.63	60.90

IEC Motores aplicables IEC Motores aplicáveis IEC Motor adapters				
56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
				*
				*
				*
				*
			*	*

CMGIS 023				
	27	200	0.61	64.01
	23	200	0.51	76.02
	19	200	0.43	90.29
	15	200	0.34	114.46
	13	200	0.29	135.95
	9.9	200	0.22	175.89
	8.5	200	0.19	204.69
	6.6	200	0.15	264.84
	5.7	200	0.13	307.80
	4.4	200	0.10	398.25
	3.9	200	0.09	449.14

56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
			*	*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*

NOTA

Las áreas resaltadas indican el tamaño de carcasa del motor correspondiente.

N.B.

As áreas destacadas indicam a aplicabilidade correspondente ao tamanho do motor.

N.B.

Highlighted areas indicate motor inputs available on each size of unit.



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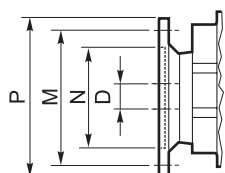


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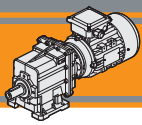
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IEC Dimension / IEC Dimensões / IEC Dimensions										
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14
N	80	50	95	60	110	70	130	80	130	95
M	100	65	115	75	130	85	165	100	165	115
P	120	80	140	90	160	105	200	120	200	140
D	9		11		14		19		24	

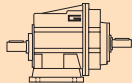


Datos técnicos

Dados técnicos

Technical data

n_1 1750 [min⁻¹]

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 032				
	468	150	7.7	3.74
	389	150	6.4	4.50
	319	150	5.2	5.48
	277	180	5.4	6.31
	221	180	4.3	7.93
	193	180	3.8	9.08
	160	180	3.1	10.93
	139	250	3.8	12.60
	132	250	3.6	13.30
	114	280	3.5	15.30
	96	240	2.5	18.21
	91	280	2.8	19.24
	83	240	2.2	21.15
	70	300	2.3	24.99
	57	300	1.9	30.57
	51	300	1.7	34.20
	45	300	1.5	38.63
	40	300	1.3	44.18
	34	300	1.1	51.30
	29	300	0.90	60.80

IEC Motores aplicables IEC Motores aplicáveis IEC Motor adapters				
71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14
B				
B				
B				
B				
B				
B				*
B				*
B				*
B				*
B				*
B				*
B				*
B			*	*
B			*	*
B			*	*
B			*	*
B			*	*
B		*	*	*
B		*	*	*


CMGIS 033				
	24	300	0.80	72.83
	18	300	0.60	97.45
	15	300	0.51	115.74
	12	300	0.42	140.81
	10	300	0.34	174.26
	7.8	300	0.26	225.47
	6.7	300	0.22	262.05
	5.4	300	0.18	325.79
	4.6	300	0.15	378.64
	4.1	300	0.14	427.03


56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
				*
			*	*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*


NOTA
Las áreas resaltadas indican el tamaño de carcasa del motor correspondiente.

N.B.
As áreas destacadas indicam a aplicabilidade correspondente ao tamanho do motor.

N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * =El Factor de servicio (sf) se deberá seleccionar con respecto a la aplicación: Favor de contactar con nuestro Servicio Técnico

 * =O fator de serviço (sf) deve ser escolhido em função da aplicação: entre em contato com o nosso Serviço Técnico.

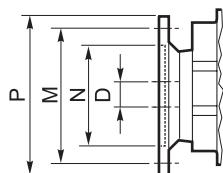
 * =The service factor (sf) has to be selected depending on application: please contact our Technical Department.

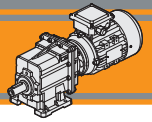
Antes de seleccionar cualquier reductor, favor de revisar los valores de desempeño en las páginas B10 a la B15.

Antes de executar a escolha do motoredutor analisar o desempenho listado nas tabelas das páginas B10 a pag. B15.

Before selecting any gearbox, please read the performance values shown in the tables on page B10 to B15.

IEC Dimensión / IEC Dimensões / IEC Dimensions												
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14	100/112 B5	100/112 B14
N	80	50	95	60	110	70	130	80	130	95	180	110
M	100	65	115	75	130	85	165	100	165	115	215	130
P	120	80	140	90	160	105	200	120	200	140	250	160
D	9		11		14		19		24		28	






Datos técnicos

Dados técnicos

Technical data

n_1 1750 [min⁻¹]

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 042				
	468	230	11.7	3.74
	389	230	9.7	4.50
	319	230	8.0	5.48
	277	260	7.9	6.31
	221	260	6.3	7.93
	193	280	5.9	9.08
	160	280	4.9	10.93
	139	350	5.3	12.60
	132	350	5.0	13.30
	114	420	5.2	15.30
	91	420	4.2	19.24
	70	500	3.8	24.99
	57	500	3.1	30.57
	51	500	2.8	34.20
	45	500	2.5	38.63
	40	500	2.2	44.18
	34	500	1.9	51.30
	29	480	1.5	60.80

IEC Motores aplicables
 IEC Motores aplicáveis
 IEC Motor adapters

71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14
B				
B				
B				
B				
B				
B				
B				
B				
B				
B				
B				*
B				*
B			*	*
B			*	*
B			*	*
B			*	*
B			*	*

CMGIS 043

	24	500	1.34	72.83
	18	500	1.00	97.45
	15	500	0.84	115.74
	12	500	0.69	140.81
	10	500	0.56	174.26
	7.8	500	0.43	225.47
	6.7	500	0.37	262.05
	5.4	500	0.30	325.79
	4.6	500	0.26	378.64
	4.1	500	0.23	427.03

56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
				*
				*
				*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*

NOTA

Las áreas resaltadas indican el tamaño de carcasa del motor correspondiente.

N.B.

As áreas destacadas indicam a aplicabilidade correspondente ao tamanho do motor.

N.B.

Highlighted areas indicate motor inputs available on each size of unit.



* = El Factor de servicio (sf) se deberá seleccionar con respecto a la aplicación: Favor de contactar con nuestro Servicio Técnico



* = O fator de serviço (sf) deve ser escolhido em função da aplicação: entre em contato com o nosso Serviço Técnico.

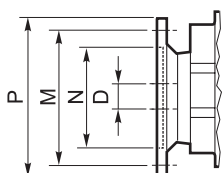


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

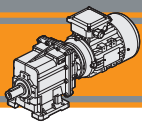
Antes de seleccionar cualquier reductor, favor de revisar los valores de desempeño en las páginas B10 a la B15.

Antes de executar a escolha do motoredutor analisar o desempenho listado nas tabelas das páginas B10 a pag. B15.

Before selecting any gearbox, please read the performance values shown in the tables on page B10 to B15.



IEC Dimensión / IEC Dimensões / IEC Dimensions												
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14	100/112 B5	100/112 B14
N	80	50	95	60	110	70	130	80	130	95	180	110
M	100	65	115	75	130	85	165	100	165	115	215	130
P	120	80	140	90	160	105	200	120	200	140	250	160
D	9		11		14		19		24		28	



CMG

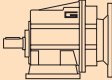

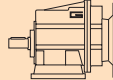

Motorreductores de engranajes cilíndricos
 Motoredutores de engrenagens helicoidais
 Helical in-line gearmotors

60 Hz

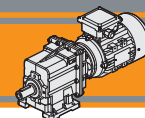
Datos técnicos

Dados técnicos

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				
0.09							0.12								
(0.12 hp)	348	2.4	16.9	5.03	CMG002	B5/B14	(0.16 hp)	348	3.2	12.7	5.03	CMG002	B5/B14		
	287	2.9	13.9	6.10			B5/B14	287	3.8	10.4	6.10			B5/B14	
56B4	234	3.5	11.3	7.49			B5/B14	63A4	234	4.7	8.5			7.49	B5/B14
(1750 min ⁻¹)	195	4.2	11.8	8.99			B5/B14	(1750 min ⁻¹)	195	5.7	8.8			8.99	B5/B14
	172	4.8	10.4	10.16			B5/B14	172	6.4	7.8	10.16			B5/B14	
	145	5.7	8.8	12.07			B5/B14	145	7.6	6.6	12.07			B5/B14	
	131	6.3	11.1	13.40			B5/B14	131	8.4	8.3	13.40			B5/B14	
	116	7.1	9.8	15.14			B5/B14	116	10	7.4	15.14			B5/B14	
	96	8.6	8.2	18.17			B5/B14	96	11	6.1	18.17			B5/B14	
	81	10	6.9	21.58			B5/B14	81	14	5.2	21.58			B5/B14	
	74	11	6.3	23.51			B5/B14	74	15	4.7	23.51			B5/B14	
	70	12	5.9	25.10			B5/B14	70	16	4.4	25.10			B5/B14	
	65	13	5.5	27.08			B5/B14	65	17	4.1	27.08			B5/B14	
	54	15	4.6	32.49			B5/B14	54	20	3.4	32.49			B5/B14	
	42	20	3.5	42.04	B5/B14	42	26	2.6	42.04	B5/B14					
	39	21	3.3	44.89	B5/B14	39	28	2.5	44.89	B5/B14					
	36	23	3.0	48.86	B5/B14	36	31	2.3	48.86	B5/B14					
	32	26	2.7	55.10	B5/B14	32	35	2.0	55.10	B5/B14					
	38	22	5.5	45.89	CMG012	B5/B14	38	29	4.2	45.89	CMG012	B5/B14			
	36	23	5.2	49.00			B5/B14	36	31	3.9			49.00	B5/B14	
	33	25	4.8	53.33			B5/B14	33	34	3.6			53.33	B5/B14	
	29	28	4.2	60.15			B5/B14	29	38	3.2			60.15	B5/B14	
	28	29	4.1	63.22	CMG013	B5/B14	28	39	3.1	63.22	CMG013	B5/B14			
	23	35	3.5	75.08			B5/B14	23	46	2.6			75.08	B5/B14	
	20	41	2.9	89.17			B5/B14	20	55	2.2			89.17	B5/B14	
	15	52	2.3	113.05			B5/B14	15	70	1.7			113.05	B5/B14	
	13	62	1.9	134.27			B5/B14	13	83	1.5			134.27	B5/B14	
	10	80	1.5	173.72			B5/B14	10	107	1.1			173.72	B5/B14	
	8.7	93	1.3	202.16			B5/B14	8.7	124	1.0			202.16	B5/B14	
	6.7	121	1.0	261.57			B5/B14	6.7	161	0.7			261.57	B5/B14	
	5.8	140	0.9	304.00			B5/B14								
	4.4	171	0.7	393.33			B5/B14	27	39	5.1			64.01	CMG023	B5/B14
	3.9	171	0.7	443.59	B5/B14	23	47	4.3	76.02	B5/B14					
	19	42	4.8	90.29	CMG023	B5/B14	19	56	3.6	90.29	B5/B14				
	15	53	3.8	114.46			B5/B14	15	70	2.8		114.46			
	13	63	3.2	135.95			B5/B14	13	84	2.4		135.95			
	9.9	81	2.5	175.89			B5/B14	10	108	1.8		175.89			
	8.5	94	2.1	204.69			B5/B14	8.5	126	1.6		204.69			
	6.6	122	1.6	264.84			B5/B14	6.6	163	1.2		264.84			
	5.7	142	1.4	307.80			B5/B14	5.7	189	1.1		307.80			
	4.4	184	1.1	398.25			B5/B14	4.4	245	0.8		398.25			
	3.9	207	1.0	449.14			B5/B14	3.9	276	0.7		449.14			
	12	65	4.6	140.81			CMG033	B5/B14	10	107		2.8	174.26	CMG033	B5/B14
	10	80	3.7	174.26	B5/B14	7.8			139	2.2	225.47	B5/B14			
	7.8	104	2.9	225.47	B5/B14	6.7			161	1.9	262.05	B5/B14			
	6.7	121	2.5	262.05	B5/B14	5.4			201	1.5	325.79	B5/B14			
	5.4	150	2.0	325.79	B5/B14	4.6			233	1.3	378.64	B5/B14			
	4.6	175	1.7	378.64	B5/B14	4.1			263	1.1	427.03	B5/B14			
	4.1	197	1.5	427.03	B5/B14	7.8			139	3.6	225.47	CMG043	B5/B14		
	7.8	104	4.8	225.47	B5/B14	6.7			161	3.1	262.05				
	6.7	121	4.1	262.05	B5/B14	5.4			201	2.5	325.79				
	5.4	150	3.3	325.79	B5/B14	4.6			233	2.1	378.64				
	4.6	175	2.9	378.64	CMG043	B5/B14	4.1	263	1.9	427.03	B5/B14				
	4.1	197	2.5	427.03			B5/B14					B5/B14			

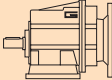

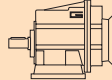

NOTA:
 Por favor verifique que el torque de salida M2 no exceda el valor de las áreas grises
 N.B.
 Sempre verifique que o torque M2 não exceda o valor indicado nas caixas cinzas
 N.B.
 Please check that the output torque M2 does not exceed the value in the grey areas

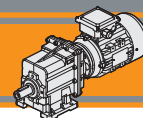


Datos técnicos

Dados técnicos

Technical data

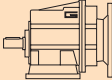

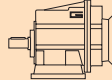

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i						
0.18							0.25										
(0.25 hp)	348	4.7	8.4	5.03	CMG002	B5/B14	(0.33 hp)	348	6.6	6.1	5.03	CMG002	B5/B14				
	287	5.8	7.0	6.10						287	8.0			5.0	6.10		
63B4	234	7.1	5.7	7.49					63C4	234	10			4.1	7.49		
(1750 min ⁻¹)	195	8.5	5.9	8.99					(1750 min ⁻¹)	195	12			4.2	8.99		
	172	10	5.2	10.16						172	13			3.8	10.16		
	145	11	4.4	12.07						145	16			3.2	12.07		
	131	13	5.5	13.40						131	18			4.0	13.40		
	116	14	4.9	15.14						116	20			3.5	15.14		
	96	17	4.1	18.17						96	24			2.9	18.17		
	81	20	3.4	21.58						81	28			2.5	21.58		
	74	22	3.2	23.51						74	31			2.3	23.51		
	70	24	3.0	25.10						70	33			2.1	25.10		
	65	26	2.7	27.08						65	35			2.0	27.08		
	54	31	2.3	32.49						54	43			1.6	32.49		
	42	40	1.8	42.04						42	55			1.3	42.04		
	39	42	1.7	44.89						39	59			1.2	44.89		
	36	46	1.5	48.86						36	64			1.1	48.86		
	32	52	1.3	55.10				32	72	1.0	55.10						
	74	22	5.4	23.56	CMG012	B5/B14		92	25	4.8	19.07	CMG012	B5/B14				
	59	28	4.3	29.56						88	26			4.6	19.83		
	49	33	3.6	35.47						74	31			3.9	23.56		
	38	43	2.8	45.89						59	39			3.1	29.56		
	36	46	2.6	49.00						49	46			2.6	35.47		
	33	50	2.4	53.33						38	60			2.0	45.89		
	29	57	2.1	60.15						36	64			1.9	49.00		
	28	58	2.1	63.22	CMG013	B5/B14		33	70	1.7	53.33	CMG013	B5/B14				
	23	69	1.7	75.08						29	79			1.5	60.15		
	20	82	1.5	89.17						28	81			1.5	63.22		
	15	104	1.1	113.05						23	96			1.2	75.08		
	13	124	1.0	134.27						20	114			1.0	89.17		
	27	59	3.4	64.01	CMG023	B5/B14		38	61	3.3	46.46	CMG022	B5/B14				
	23	70	2.8	76.02						35	65			3.1	49.61		
	19	83	2.4	90.29						32	71			2.8	54.00		
	15	106	1.9	114.46						29	80			2.5	60.90		
	13	126	1.6	135.95													
	10	162	1.2	175.89						27	82			2.4	64.01	CMG023	B5/B14
	8.5	189	1.1	204.69				23	97	2.1	76.02						
	12	130	2.3	140.81	CMG033	B5/B14		19	116	1.7	90.29						
	10	161	1.9	174.26						15	147	1.4	114.46				
	7.8	208	1.4	225.47						13	174	1.1	135.95				
	6.7	242	1.2	262.05						10	226	0.9	175.89				
	5.4	301	1.0	325.79													
	4.6	350	0.9	378.64				24	93	3.2	72.83	CMG033	B5/B14				
	10	161	3.1	174.26	CMG043	B5/B14		18	125	2.4	97.45						
	7.8	208	2.4	225.47						15	148			2.0	115.74		
	6.7	242	2.1	262.05						12	181			1.7	140.81		
	5.4	301	1.7	325.79						10	223			1.3	174.26		
	4.6	350	1.4	378.64						7.8	289			1.0	225.47		
	4.1	394	1.3	427.03						6.7	336	0.9	262.05				
								15	148	3.4	115.74	CMG043	B5/B14				
								12	181	2.8	140.81						
								10	223	2.2	174.26						
								7.8	289	1.7	225.47						
								6.7	336	1.5	262.05						
								5.4	418	1.2	325.79						
								4.6	486	1.0	378.64						
								4.1	548	0.9	427.03						

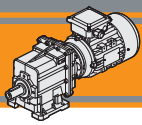


Datos técnicos

Dados técnicos

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i								
0.75							1.1												
(1.0 hp)	348	20	2.0	5.03	CMG002	B5/B14	(1.5 hp)	348	29	1.4	5.03	CMG002	B5/B14						
	287	24	1.7	6.10						287	35			1.1	6.10				
80A4	234	29	1.4	7.49					80B4	234	43			0.9	7.49				
(1750 min ⁻¹)	195	35	1.4	8.99					(1750 min ⁻¹)	195	52			1.0	8.99				
	172	40	1.3	10.16						172	59			0.9	10.16				
	145	47	1.1	12.07						131	77			0.9	13.40				
	131	53	1.3	13.40												CMG012	B5/B14		
	116	59	1.2	15.14						458	22			2.7	3.82				
	96	71	1.0	18.17						378	27			2.2	4.63				
										308	33			1.8	5.69				
	458	15	4.0	3.82	CMG012	B5/B14		227	44	1.8	7.72								
	378	18	3.3	4.63						191	53	1.5	9.17						
	308	22	2.7	5.69						178	57	1.4	9.81						
	227	30	2.6	7.72						152	66	1.5	11.50						
	191	36	2.2	9.17						147	69	1.5	11.90						
	178	39	2.1	9.81						127	80	1.5	13.80						
	152	45	2.2	11.50						120	84	1.4	14.62						
	147	47	2.1	11.90						98	103	1.2	17.86						
	127	54	2.2	13.80						92	110	1.1	19.07						
	120	57	2.1	14.62						88	114	1.0	19.83						
	98	70	1.7	17.86				74	136	0.9	23.56								
	92	75	1.6	19.07								CMG022	B5/B14						
	88	78	1.5	19.83				479	21	4.7	3.66								
	74	93	1.3	23.56				395	26	3.9	4.43								
	59	116	1.0	29.56				321	31	3.2	5.45								
	49	139	0.9	35.47				237	43	2.8	7.39								
								199	51	2.4	8.78								
	176	39	3.1	9.93	CMG022	B5/B14		176	57	2.1	9.93								
	159	43	4.6	11.01						159	63			3.2	11.01				
	145	47	4.2	12.05						145	69			2.9	12.05				
	132	52	3.1	13.21						132	76			2.1	13.21				
	118	58	3.4	14.81						118	85	2.3	14.81						
	102	67	1.9	17.10						102	99	1.3	17.10						
	87	79	2.5	20.08						87	116	1.7	20.08						
	73	94	2.1	23.85						73	137	1.5	23.85						
	58	118	1.7	29.93						58	172	1.2	29.93						
	49	141	1.4	35.91						49	207	1.0	35.91						
	38	183	1.1	46.46								CMG032	B5/B14						
	35	195	1.0	49.61				160	63	2.9	10.93								
	32	212	0.9	54.00				139	73	3.4	12.60								
								132	77	3.3	13.30								
	83	83	2.9	21.15	CMG032	B5/B14		114	88	3.2	15.30								
	70	98	3.1	24.99						96	105			2.3	18.21				
	57	120	2.5	30.57						91	111			2.5	19.24				
	51	134	2.2	34.20						83	122			2.0	21.15				
	45	152	2.0	38.63						70	144			2.1	24.99				
	40	174	1.7	44.18						57	176			1.7	30.57				
	34	202	1.5	51.30						51	197	1.5	34.20						
	29	239	1.3	60.80						45	223	1.3	38.63						
										40	255	1.2	44.18						
	24	280	1.1	72.83			CMG033	B5/B14		34	296	1.0	51.30						
										29	350	0.9	60.80						
	51	134	3.7	34.20	CMG042	B5/B14				91	111	3.8	19.24	CMG042	B5/B14				
	45	152	3.3	38.63								70	144			3.5	24.99		
	40	174	2.9	44.18								57	176			2.8	30.57		
	34	202	2.5	51.30								51	197			2.5	34.20		
	29	239	2.0	60.80								45	223			2.2	38.63		
												40	255			2.0	44.18		
	24	280	1.8	72.83					CMG043	B5/B14		34	296			1.7	51.30		
	18	375	1.3	97.45												29	350	1.4	60.80
	15	445	1.1	115.74														CMG043	B5/B14
	12	542	0.9	140.81								24	411			1.2	72.83		
								18			550	0.9	97.45						



CMG

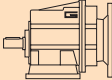

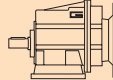

Motorreductores de engranajes cilíndricos
 Motoredutores de engrenagens helicoidais
 Helical in-line gearmotors

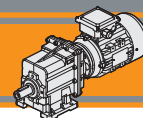
60 Hz

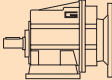

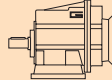

Datos técnicos

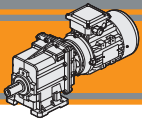
Dados técnicos

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
1.5							2.2						
(2.0 hp)	458	30	2.0	3.82	CMG012	B5/B14	(3.0 hp)	458	44	1.4	3.82	CMG012	B5/B14
	378	36	1.6	4.63		B5/B14		378	53	1.1	4.63		B5/B14
90S4	308	45	1.3	5.69		B5/B14	90L4	308	66	0.9	5.69		B5/B14
(1750 min ⁻¹)	227	61	1.3	7.72		B5/B14	(1750 min ⁻¹)	227	89	0.9	7.72		B5/B14
	191	72	1.1	9.17		B5/B14							
	178	77	1.0	9.81		B5/B14							
	152	90	1.1	11.50		B5/B14							
	147	94	1.1	11.90		B5/B14							
	127	108	1.1	13.80		B5/B14							
	120	115	1.0	14.62		B5/B14							
	98	140	0.9	17.86	B5/B14								
	479	29	3.5	3.66	CMG022	B5/B14		479	42	2.4	3.66	CMG022	B5/B14
	395	35	2.9	4.43		B5/B14		395	51	2.0	4.43		B5/B14
	321	43	2.3	5.45		B5/B14		321	63	1.6	5.45		B5/B14
	237	58	2.1	7.39		B5/B14		237	85	1.4	7.39		B5/B14
	199	69	1.7	8.78		B5/B14		199	101	1.2	8.78		B5/B14
	176	78	1.5	9.93		B5/B14		176	115	1.0	9.93		B5/B14
	159	87	2.3	11.01		B5/B14		159	127	1.6	11.01		B5/B14
	145	95	2.1	12.05		B5/B14		145	139	1.4	12.05		B5/B14
	132	104	1.5	13.21		B5/B14		118	171	1.2	14.81		B5/B14
	118	116	1.7	14.81		B5/B14							
	87	158	1.3	20.08	B5/B14		468	43	3.5	3.74	CMG032	B5/B14	
	73	187	1.1	23.85	B5/B14		389	52	2.9	4.50		B5/B14	
	58	235	0.9	29.93	B5/B14		319	63	2.4	5.48		B5/B14	
	468	29	5.1	3.74	CMG032	B5/B14	277	73	2.5	6.31		B5/B14	
	389	35	4.2	4.50		B5/B14		221	91	2.0		7.93	B5/B14
	319	43	3.5	5.48		B5/B14		193	105	1.7		9.08	B5/B14
	277	50	3.6	6.31		B5/B14		160	126	1.4		10.93	B5/B14
	221	62	2.9	7.93		B5/B14		139	145	1.7		12.60	B5/B14
	193	71	2.5	9.08		B5/B14		132	153	1.6		13.30	B5/B14
	160	86	2.1	10.93		B5/B14		114	176	1.6		15.30	B5/B14
	139	99	2.5	12.60		B5/B14		91	222	1.3	19.24	B5/B14	
	132	105	2.4	13.30		B5/B14		70	288	1.0	24.99	B5/B14	
	114	120	2.3	15.30		B5/B14		57	352	0.9	30.57	B5/B14	
	96	143	1.7	18.21	B5/B14								
	91	151	1.9	19.24	B5/B14		468	43	5.3	3.74	CMG042	B5/B14	
	83	166	1.4	21.15	B5/B14		389	52	4.4	4.50		B5/B14	
	70	196	1.5	24.99	B5/B14		319	63	3.6	5.48		B5/B14	
	57	240	1.2	30.57	B5/B14		277	73	3.6	6.31		B5/B14	
	51	269	1.1	34.20	B5/B14		221	91	2.8	7.93		B5/B14	
	45	304	1.0	38.63	B5/B14		193	105	2.7	9.08		B5/B14	
	40	347	0.9	44.18	B5/B14		160	126	2.2	10.93		B5/B14	
	160	86	3.3	10.93	CMG042	B5/B14	139	145	2.4	12.60		B5/B14	
	139	99	3.5	12.60		B5/B14		132	153	2.3		13.30	B5/B14
	132	105	3.3	13.30		B5/B14		114	176	2.4		15.30	B5/B14
	114	120	3.5	15.30		B5/B14		91	222	1.9	19.24	B5/B14	
	91	151	2.8	19.24		B5/B14		70	288	1.7	24.99	B5/B14	
	70	196	2.5	24.99		B5/B14		57	352	1.4	30.57	B5/B14	
	57	240	2.1	30.57		B5/B14		51	394	1.3	34.20	B5/B14	
	51	269	1.9	34.20		B5/B14		45	445	1.1	38.63	B5/B14	
	45	304	1.6	38.63		B5/B14		40	509	1.0	44.18	B5/B14	
	40	347	1.4	44.18		B5/B14							
	34	403	1.2	51.30	B5/B14								
	29	478	1.0	60.80	B5/B14								
	24	560	0.9	72.83	CMG043	B5/B14							


Datos técnicos
Dados técnicos
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i								
3							4.5												
(4.0 hp)	468	59	2.6	3.74	CMG032	B5/B14	(6.0 hp)	468	88	1.7	3.74	CMG032	B5/B14						
	389	71	2.1	4.50				389	106	1.4	4.50								
100LA4	319	86	1.7	5.48				319	129	1.2	5.48								
(1750 min ⁻¹)	277	99	1.8	6.31				277	149	1.2	6.31								
	221	125	1.4	7.93				221	187	1.0	7.93								
	193	143	1.3	9.08															
	160	172	1.0	10.93				468	88	2.6	3.74			CMG042	B5/B14				
	139	198	1.3	12.60				389	106	2.2	4.50								
	132	209	1.2	13.30				319	129	1.8	5.48								
	114	240	1.2	15.30				277	149	1.7	6.31								
	91	302	0.9	19.24				221	187	1.4	7.93								
								193	214	1.3	9.08								
	468	59	3.9	3.74			CMG042	B5/B14	160	258	1.1					10.93			
	389	71	3.2	4.50						139	297					1.2	12.60		
	319	86	2.7	5.48		132			314	1.1	13.30								
	277	99	2.6	6.31		114			361	1.2	15.30								
	221	125	2.1	7.93		91			454	0.9	19.24								
	193	143	2.0	9.08		70			589	0.8	24.99								
	160	172	1.6	10.93															
	139	198	1.8	12.60															
	132	209	1.7	13.30															
	114	240	1.7	15.30															
	91	302	1.4	19.24															
	70	393	1.3	24.99															
	57	480	1.0	30.57															
	51	538	0.9	34.20															
3.7							5.5												
(5.0 hp)	468	73	2.1	3.74	CMG032	B5/B14	(7.5 hp)	468	108	1.4	3.74	CMG032	B5/B14						
	389	87	1.7	4.50				389	130	1.2	4.50								
100LB4	319	106	1.4	5.48				319	158	0.9	5.48								
(1750 min ⁻¹)	277	122	1.5	6.31				277	182	1.0	6.31								
	221	154	1.2	7.93															
	193	176	1.0	9.08				468	108	2.1	3.74			CMG042	B5/B14				
	160	212	0.8	10.93				389	130	1.8	4.50								
	139	244	1.0	12.60				319	158	1.5	5.48								
	132	258	1.0	13.30				277	182	1.4	6.31								
	114	297	0.9	15.30				221	229	1.1	7.93								
								193	262	1.1	9.08								
	468	73	3.2	3.74			CMG042	B5/B14	160	315	0.9					10.93			
	389	87	2.6	4.50						139	363					1.0	12.60		
	319	106	2.2	5.48						132	383					0.9	13.30		
	277	122	2.1	6.31		114			441	1.0	15.30								
	221	154	1.7	7.93															
	193	176	1.6	9.08															
	160	212	1.3	10.93															
	139	244	1.4	12.60															
	132	258	1.4	13.30															
	114	297	1.4	15.30															
	91	373	1.1	19.24															
	70	484	1.0	24.99															
	57	593	0.8	30.57															



CMG

Motorreductores de engranajes cilíndricos
Motoredutores de engrenagens helicoidais
Helical in-line gearmotors

60 Hz

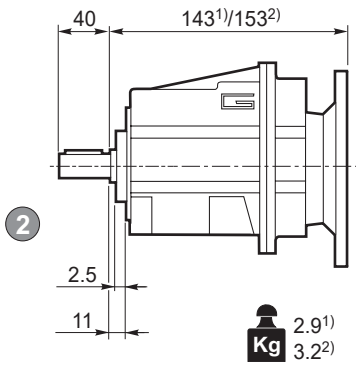
Dimensiones

Dimensões

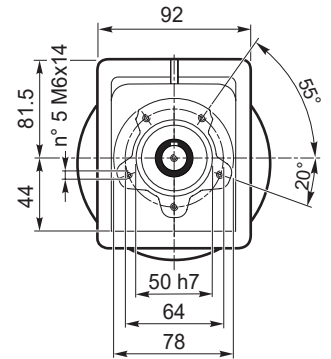
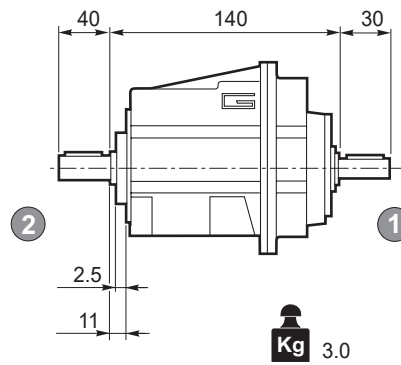
Dimensions

CMG 002 U

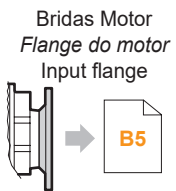
CMG 002 U



CMGIS 002 U

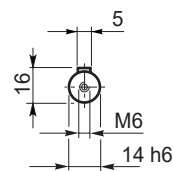
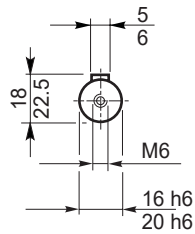


¹)IEC 63/71, ²)IEC 80



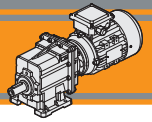
Eje de salida
Eixo saída
Output shaft

2



Eje de entrada
Eixo entrada
Input shaft

1



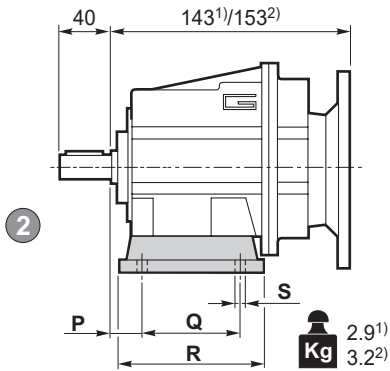
Dimensiones

Dimensões

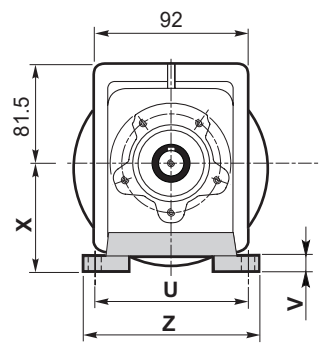
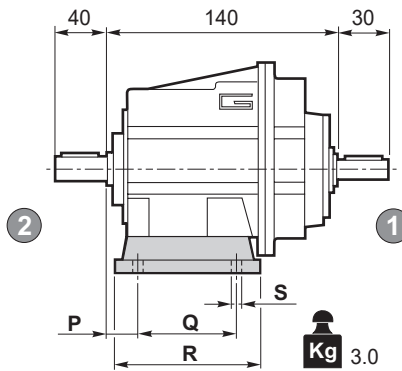
Dimensions

CMG 002 H..

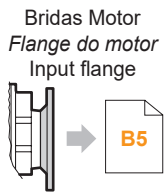
CMG 002 H..



CMGIS 002 H..

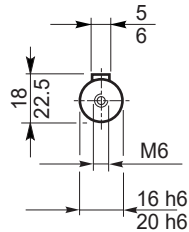


¹⁾IEC 63/71, ²⁾IEC 80



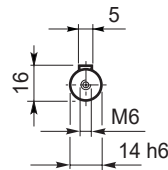
Eje de salida
 Eixo saída
 Output shaft

2



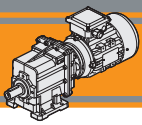
Eje de entrada
 Eixo entrada
 Input shaft

1



Versión H / Versão H / H Version										
CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot	
									Tipo / Tipo / Type	Peso / Peso / Weight [kg]
002	18	60	80	9	100	10	60	120	H60	0.2
	18	80	104	9	110 - 120	10	75	145	H75	0.3
	18	50 - 87	110	9	110	10	85	135	H85	0.4

Preferencial / Preferencial / Preferred



Dimensiones

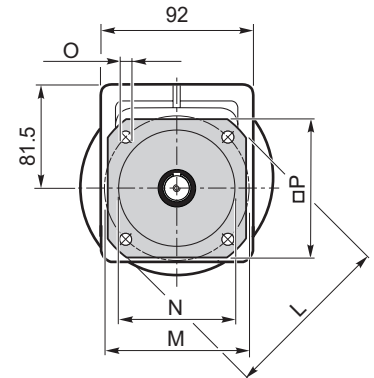
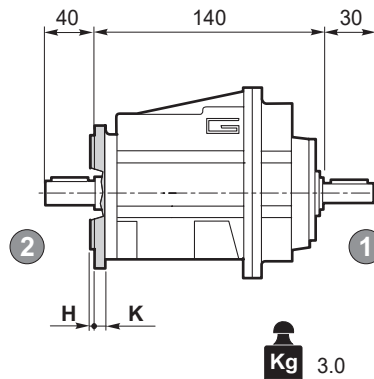
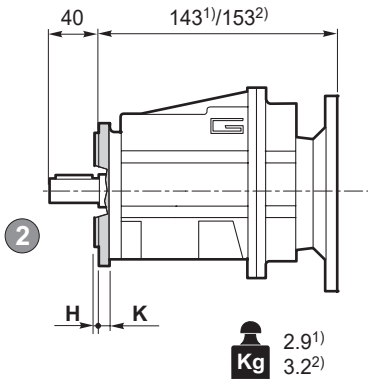
Dimensões

Dimensions

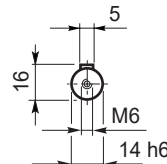
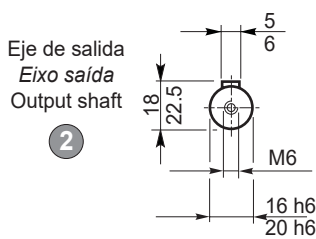
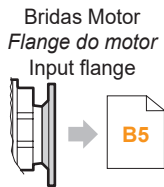
CMG 002 F..

CMG 002 F..

CMGIS 002 F..

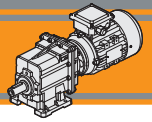


¹⁾IEC 63/71, ²⁾IEC 80



Eje de entrada
 Eixo entrada
 Input shaft
 1

Versión F / Versão F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	Brida / Flange / Flange	
								Tipo / Tipo / Type	Peso / Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	9	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2



Dimensiones

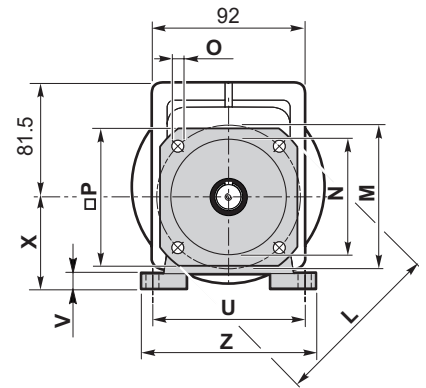
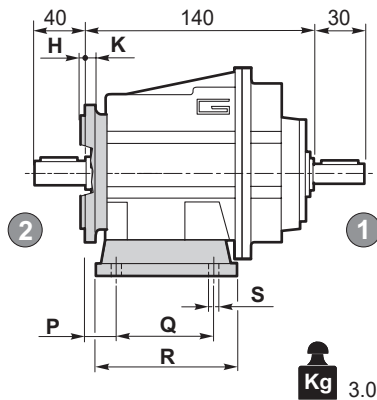
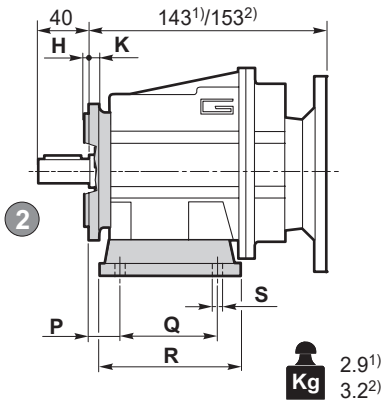
Dimensões

Dimensions

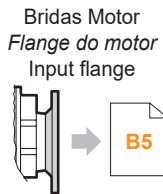
CMG 002 H../F..

CMG 002 H../F..

CMGIS 002 H../F..

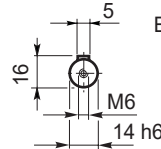
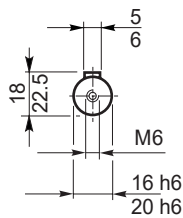


¹)IEC 63/71, ²)IEC 80



Eje de salida
 Eixo saída
 Output shaft

2



Eje de entrada
 Eixo entrada
 Input shaft

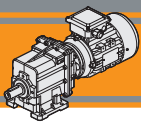
1

Versión H / Versão H / H Version									Combinaciones posibles H/F Combinações possíveis H/F Possible combinations H/F				
CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot		F105	F120	F140
									Tipo / Tipo / Type	Kg			
002	18	60	80	9	100	10	60	120	H60	0.2	•	•	•
	18	80	104	9	110 - 120	10	75	145	H75	0.3	•	•	•
	18	50 - 87	110	9	110	10	85	135	H85	0.4	•	•	•

■ Preferencial / Preferencial / Preferred • Combinaciones posibles H/F / Combinações possíveis H/F / Possible combinations H/F

Versión F / Versão F / F Version								Brida / Flange / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P	Tipo / Tipo / Type	Peso / Peso / Weight [kg]
								002	3.5
3.5	8	120	100	80	9	100	F120		0.2
3.5	8	140	115	95	9	115	F140		0.2





CMG

Motorreductores de engranajes cilíndricos
Motoredutores de engrenagens helicoidais
Helical in-line gearmotors

60 Hz

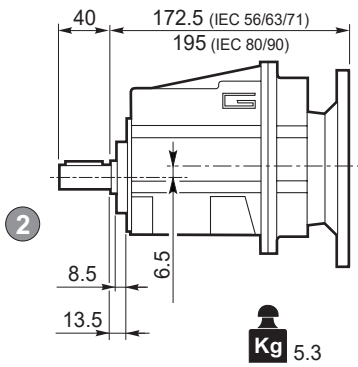
Dimensiones

Dimensões

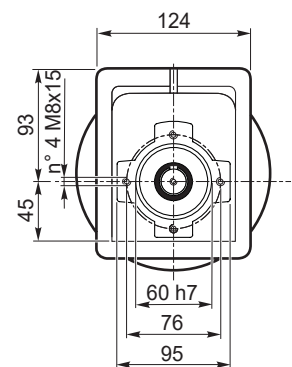
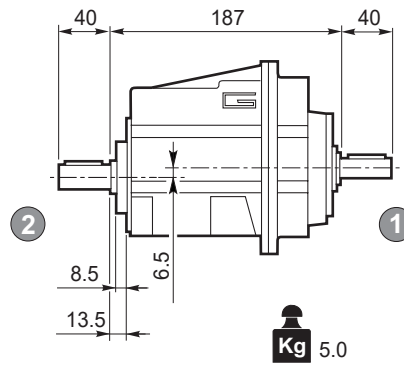
Dimensions

CMG 012 U - CMG 013 U

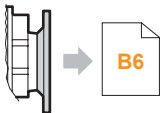
CMG 012 U



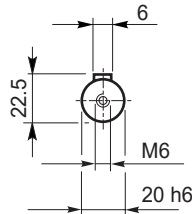
CMGIS 012 U



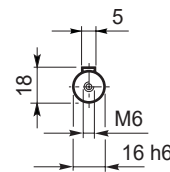
Bridas Motor
Flange do motor
Input flange



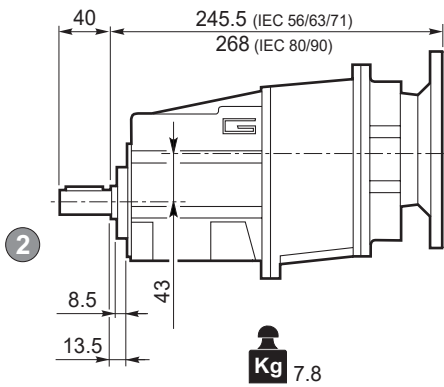
Eje de salida
Eixo saída
Output shaft



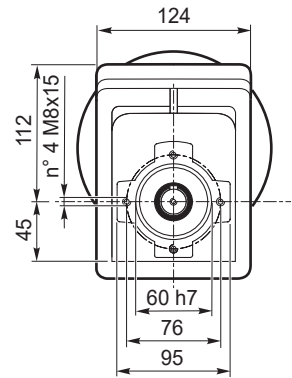
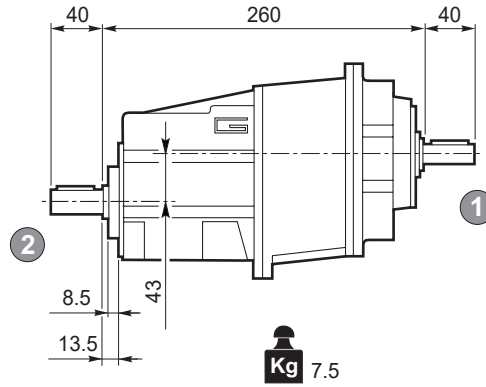
Eje de entrada
Eixo entrada
Input shaft



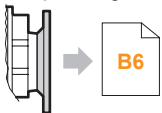
CMG 013 U



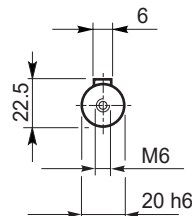
CMGIS 013 U



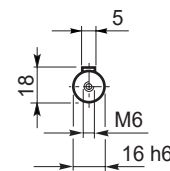
Bridas Motor
Flange do motor
Input flange

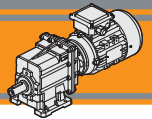


Eje de salida
Eixo saída
Output shaft



Eje de entrada
Eixo entrada
Input shaft





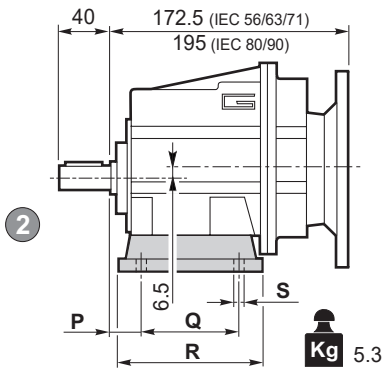
Dimensiones

Dimensões

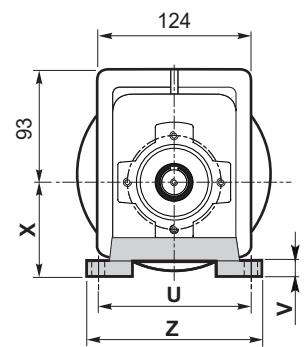
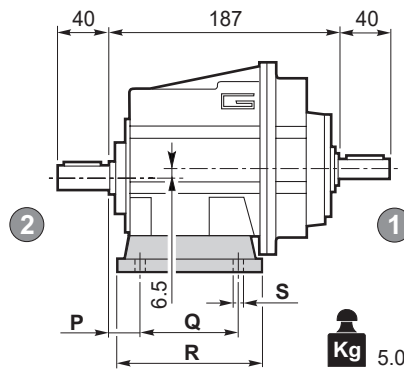
Dimensions

CMG 012 H.. - CMG 013 H..

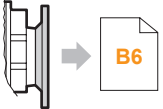
CMG 012 H..



CMGIS 012 H..



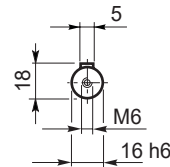
Bridas Motor
 Flange do motor
 Input flange



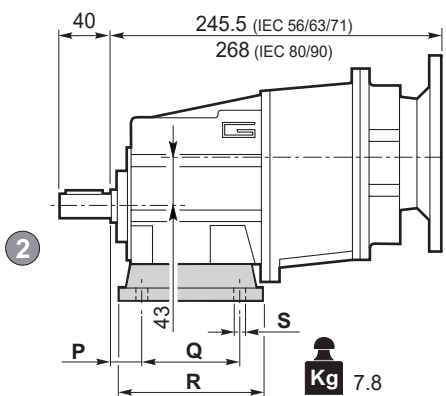
Eje de salida
 Eixo saída
 Output shaft



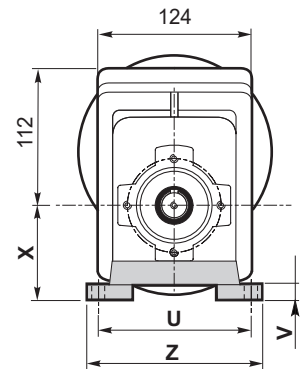
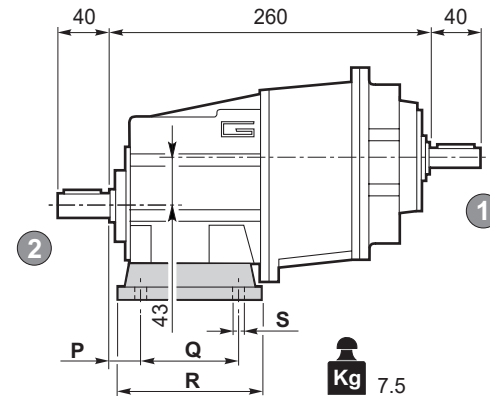
Eje de entrada
 Eixo entrada
 Input shaft



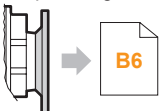
CMG 013 H..



CMGIS 013 H..



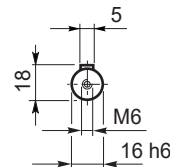
Bridas Motor
 Flange do motor
 Input flange



Eje de salida
 Eixo saída
 Output shaft



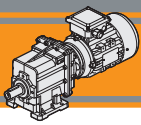
Eje de entrada
 Eixo entrada
 Input shaft



Versión H / Versão H / H Version

CMG CMGIS	P	Q	R	S	U	V	X	Z	Patás / Base / Foot	
									Tipo / Tipo / Type	Peso / Peso / Weight [kg]
012 013	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7

Preferencial / Preferencial / Preferred



CMG

Motorreductores de engranajes cilíndricos
 Motores de engrenagens helicoidais
 Helical in-line gearmotors

60 Hz

Dimensiones

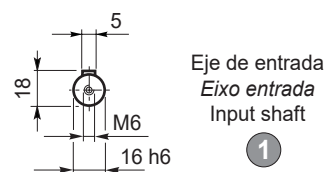
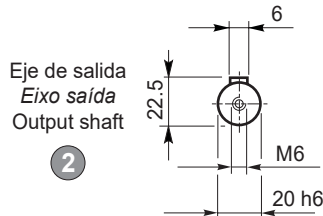
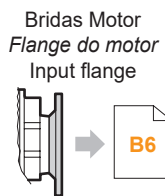
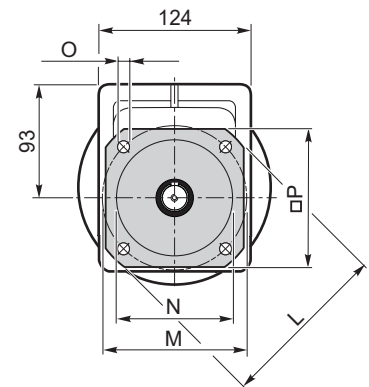
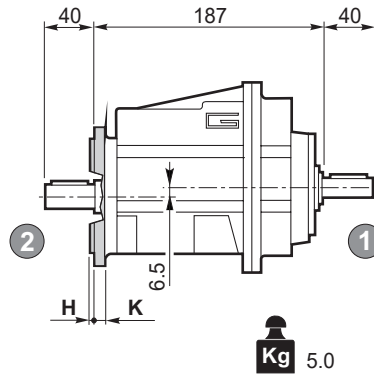
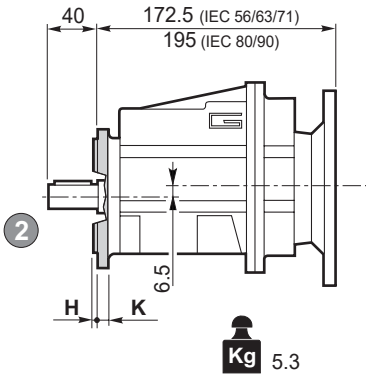
Dimensões

Dimensions

CMG 012 F.. - CMG 013 F..

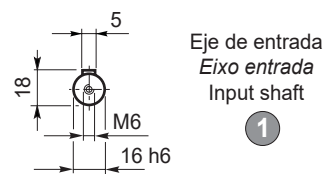
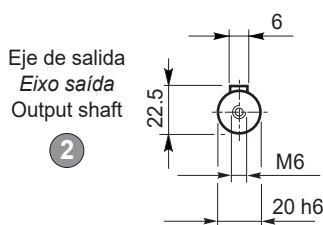
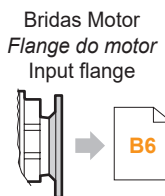
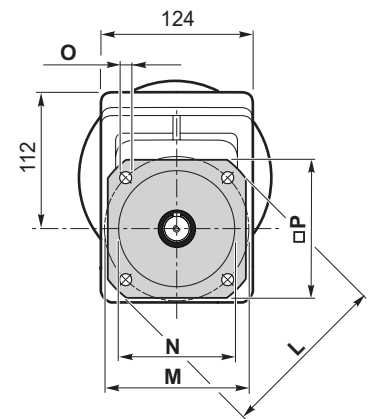
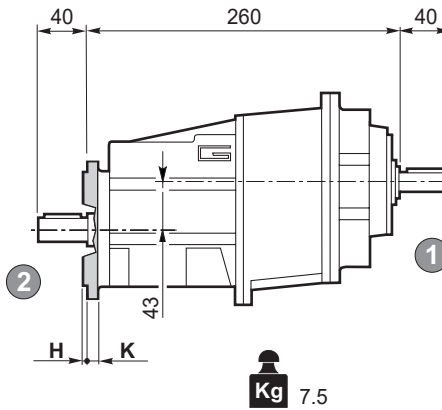
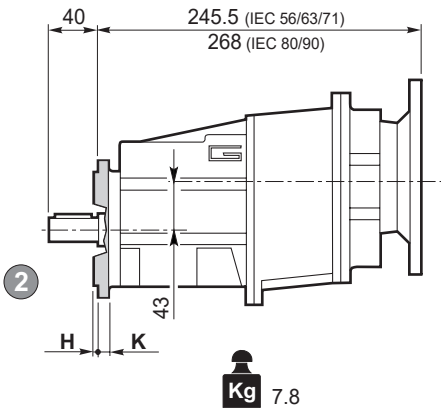
CMG 012 F..

CMGIS 012 F..



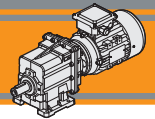
CMG 013 F..

CMGIS 013 F..



Versión F / Versão F / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	Brida / Flange / Flange	
								Tipo / Tipo / Type	Peso / Peso / Weight [kg]
012 013	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8



Dimensiones

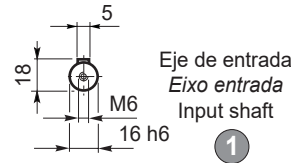
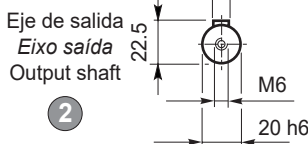
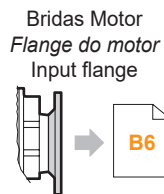
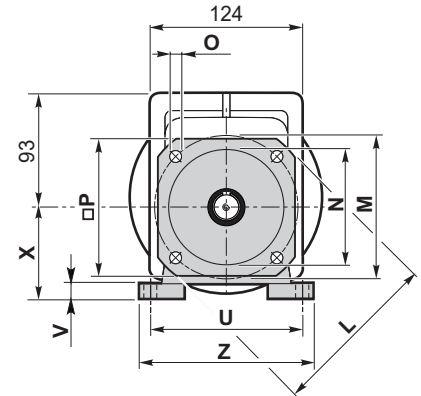
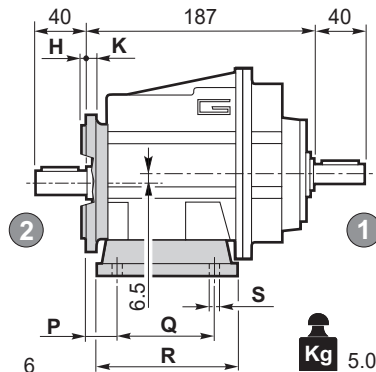
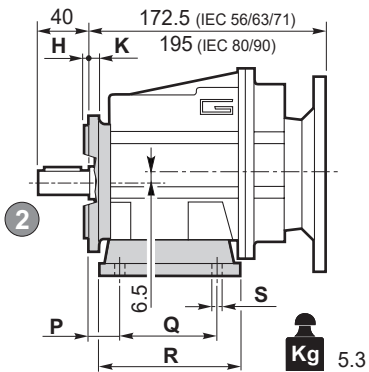
Dimensões

Dimensions

CMG 012 H../F.. - CMG 013 H../F..

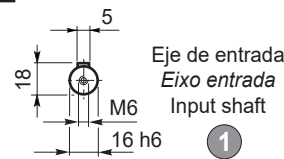
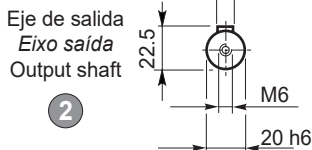
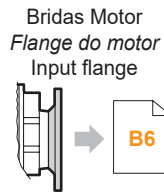
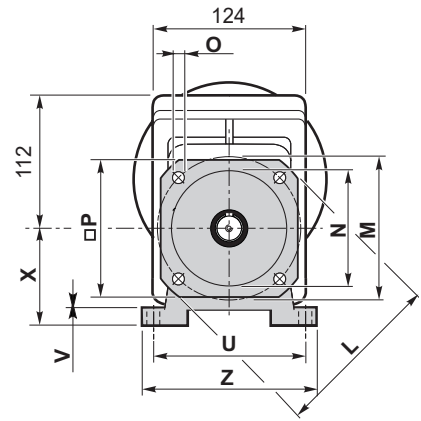
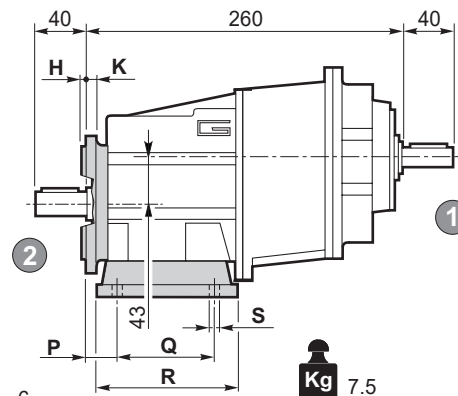
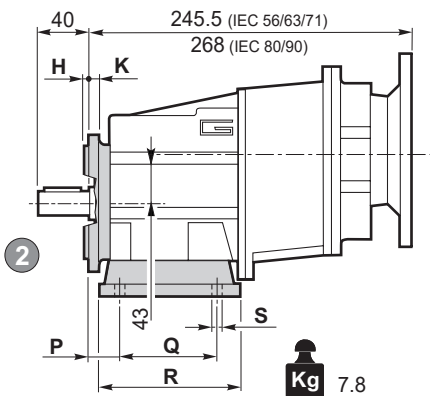
CMG 012 H../F..

CMGIS 012 H../F..



CMG 013 H../F..

CMGIS 013 H../F..

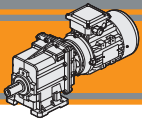


Versión H / Versão H / H Version										Combinaciones posibles H/F Combinacoes possíveis H/F Possible combinations H/F				
CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot		F120	F140	F160	F200
									Tipo / Tipo / Type	Kg				
012 013	20	85	108	9	115	12	65	139	H65	0.7	•	•		
	18	80	118	9	110	12	75	140	H75	1.0	•	•	•	
	25	85	120	9	120	12	80	140	H80	1.1	•	•	•	
	18	50 - 87	118	9	110	12	85	130	H85	1.2	•	•	•	
	25	130	154	9	110	12	90	135	H90	1.5	•	•	•	•
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7	•	•	•	•

Preferencial / Preferencial / Preferred

• Combinaciones posibles H/F / Combinacoes possíveis H/F / Possible combinations H/F

Versión F / Versão F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	Brida / Flange / Flange	
								Tipo / Tipo / Type	Peso / Peso / Weight [kg]
012 013	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8



CMG

Motorreductores de engranajes cilíndricos
Motoredutores de engrenagens helicoidais
Helical in-line gearmotors

60 Hz

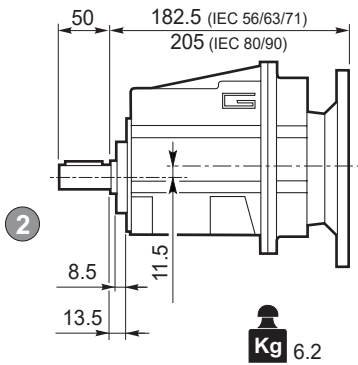
Dimensiones

Dimensões

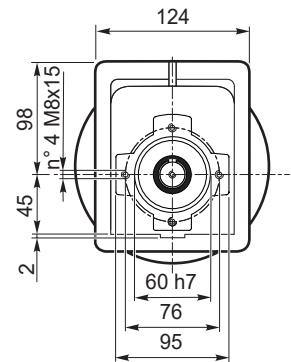
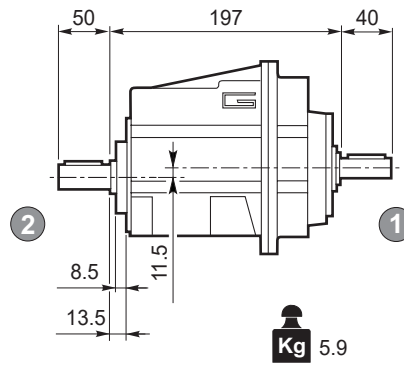
Dimensions

CMG 022 U - CMG 023 U

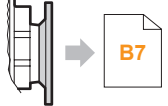
CMG 022 U



CMGIS 022 U

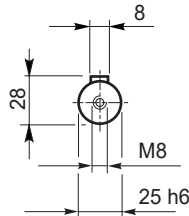


Bridas Motor
Flange do motor
Input flange



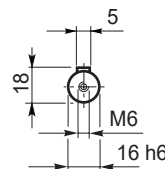
Eje de salida
Eixo saída
Output shaft

2

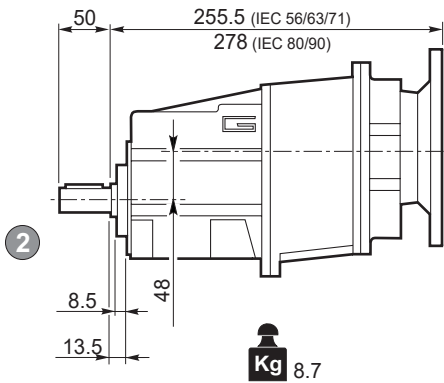


Eje de entrada
Eixo entrada
Input shaft

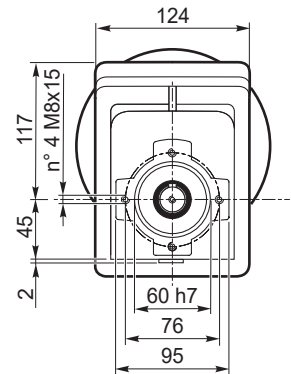
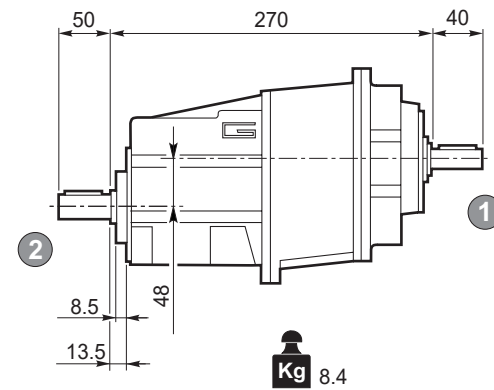
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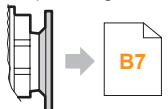
CMG 023 U



CMGIS 023 U

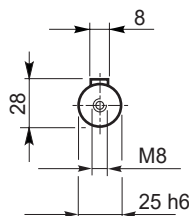


Bridas Motor
Flange do motor
Input flange



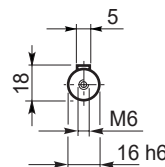
Eje de salida
Eixo saída
Output shaft

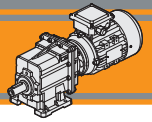
2



Eje de entrada
Eixo entrada
Input shaft

1





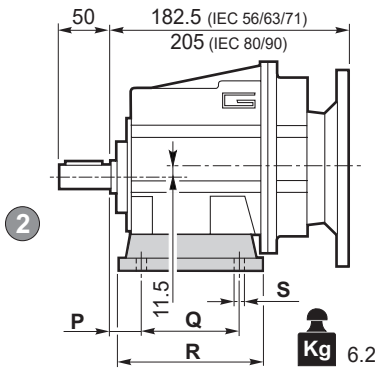
Dimensiones

Dimensões

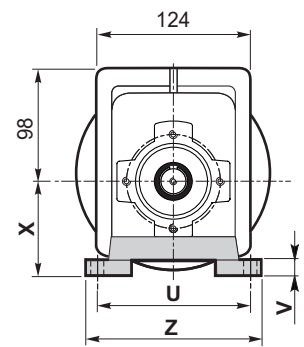
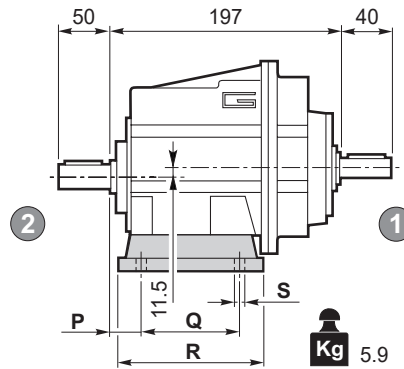
Dimensions

CMG 022 H.. - CMG 023 H..

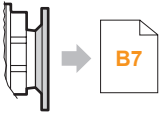
CMG 022 H..



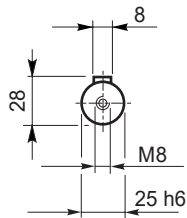
CMGIS 022 H..



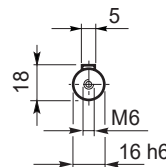
Bridas Motor
 Flange do motor
 Input flange



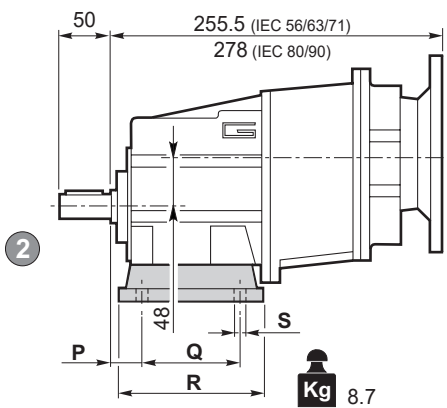
Eje de salida
 Eixo saída
 Output shaft



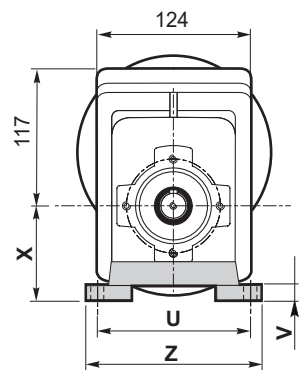
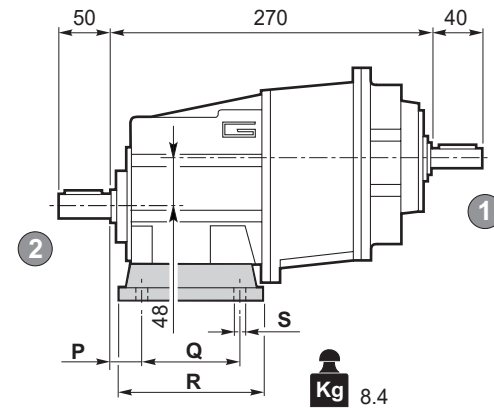
Eje de entrada
 Eixo entrada
 Input shaft



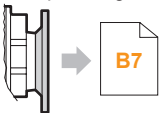
CMG 023 H..



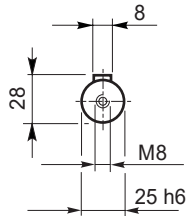
CMGIS 023 H..



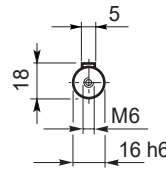
Bridas Motor
 Flange do motor
 Input flange



Eje de salida
 Eixo saída
 Output shaft



Eje de entrada
 Eixo entrada
 Input shaft

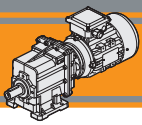


Versión H / Versão H / H Version

CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot	
									Tipo / Tipo / Type	Peso / Peso / Weight [kg]
022 023	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7

Preferencial / Preferencial / Preferred





CMG

Motorreductores de engranajes cilíndricos
 Motores de engrenagens helicoidais
 Helical in-line gearmotors

60 Hz

Dimensiones

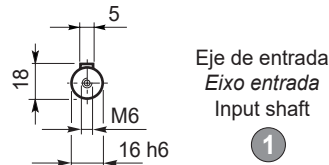
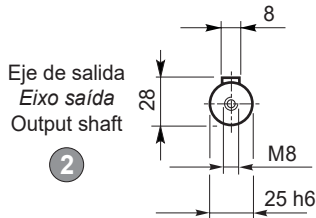
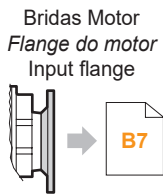
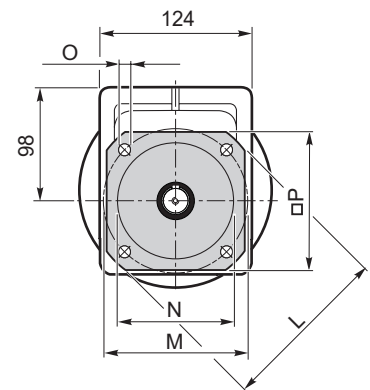
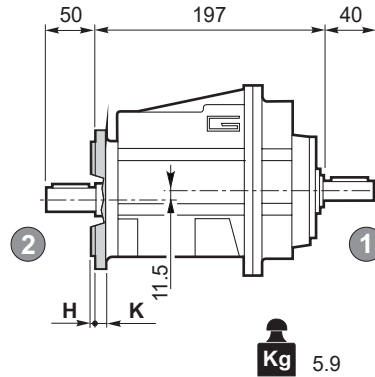
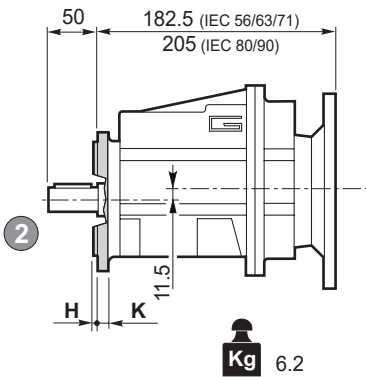
Dimensões

Dimensions

CMG 022 F.. - CMG 023 F..

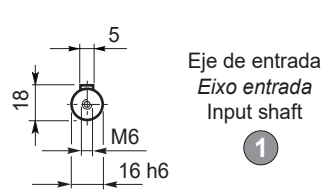
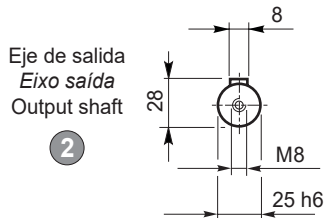
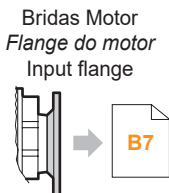
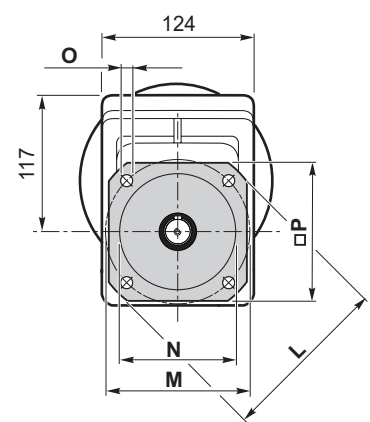
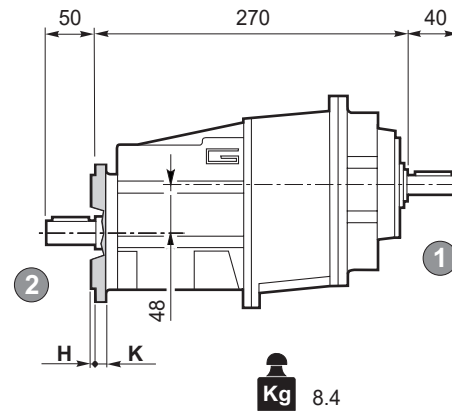
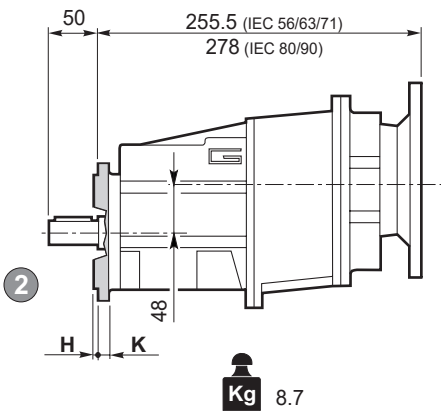
CMG 022 F..

CMGIS 022 F..



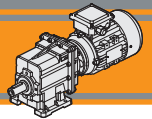
CMG 023 F..

CMGIS 023 F..



Versión F / Versão F / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	Brida / Flange / Flange	
								Tipo / Tipo / Type	Peso / Peso / Weight [kg]
022 023	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8



Dimensiones

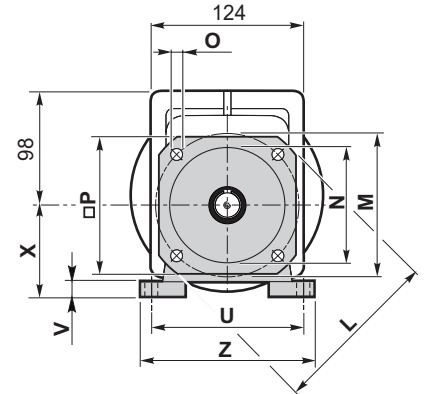
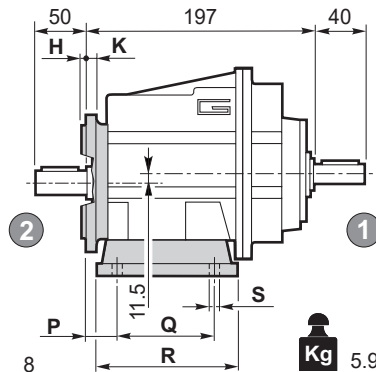
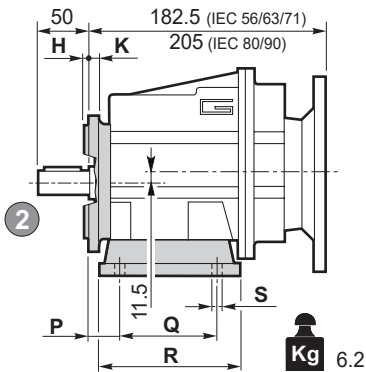
Dimensões

Dimensions

CMG 022 H../F.. - CMG 023 H../F..

CMG 022 H../F..

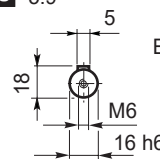
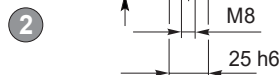
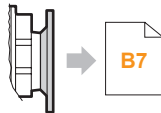
CMGIS 022 H../F..



Bridas Motor
Flange do motor
Input flange

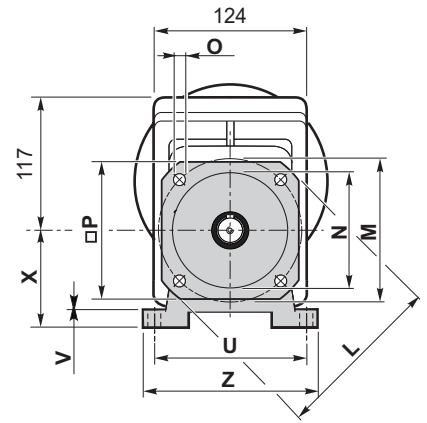
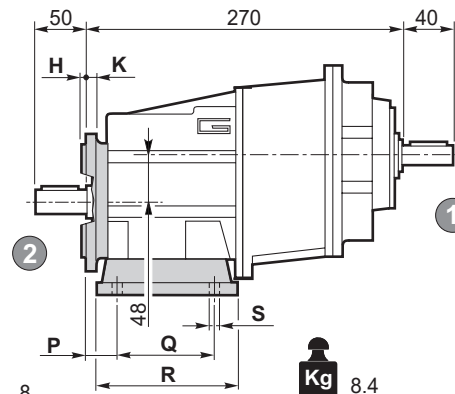
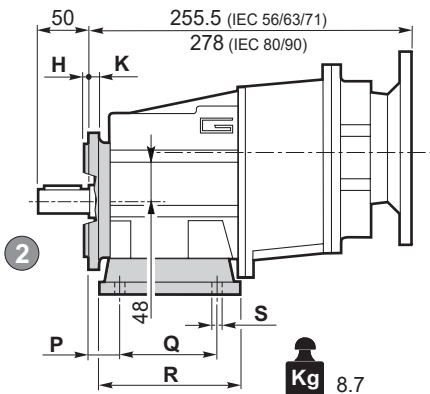
Eje de salida
Eixo saída
Output shaft

Eje de entrada
Eixo entrada
Input shaft



CMG 023 H../F..

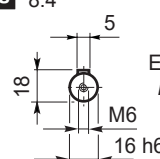
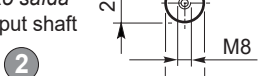
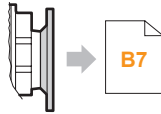
CMGIS 023 H../F..



Bridas Motor
Flange do motor
Input flange

Eje de salida
Eixo saída
Output shaft

Eje de entrada
Eixo entrada
Input shaft

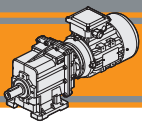


Versión H / Versão H / H Version									Combinaciones posibles H/F Combinacoes possíveis H/F Possible combinations H/F					
CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot		F120	F140	F160	F200
									Tipo / Tipo / Type	Kg				
022 023	20	85	108	9	115	12	65	139	H65	0.7	•	•		
	18	80	118	9	110	12	75	140	H75	1.0	•	•		
	25	85	120	9	120	12	80	140	H80	1.1	•	•	•	
	18	50 - 87	118	9	110	12	85	130	H85	1.2	•	•	•	
	25	130	154	9	110	12	90	135	H90	1.5	•	•	•	•
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7	•	•	•	•

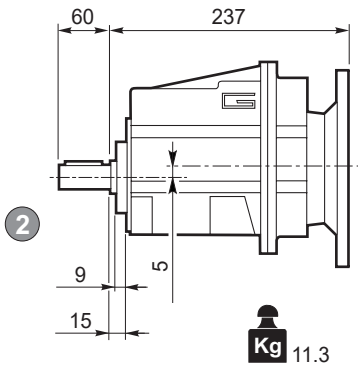
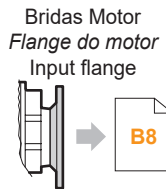
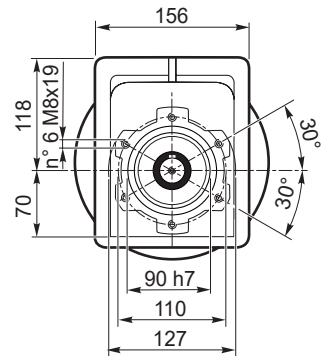
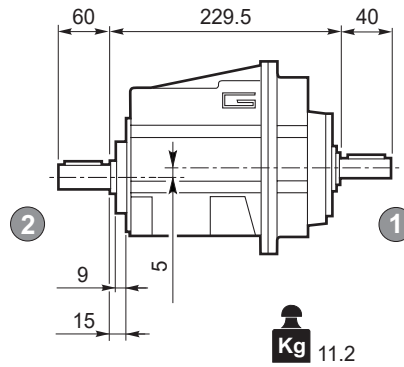
Preferencial / Preferencial / Preferred

• Combinaciones posibles H/F / Combinacoes possíveis H/F / Possible combinations H/F

Versión F / Versão F / F Version									Brida / Flange / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P	Tipo / Tipo / Type		Peso / Peso / Weight [kg]
								022 023	3	
3.5	9	140	115	95	9	115	F140		0.8	
3.5	9	160	130	110	9	126	F160		1.1	
3.5	11	200	165	130	11	165	F200		1.8	

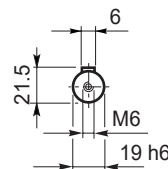
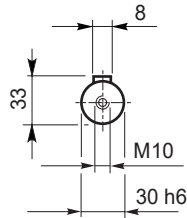
**CMG**

Motorreductores de engranajes cilíndricos
 Motoredutores de engrenagens helicoidais
 Helical in-line gearmotors

60 Hz**Dimensiones****Dimensões****Dimensions****CMG 032 U - CMG 033 U****CMG 032 U****CMGIS 032 U**

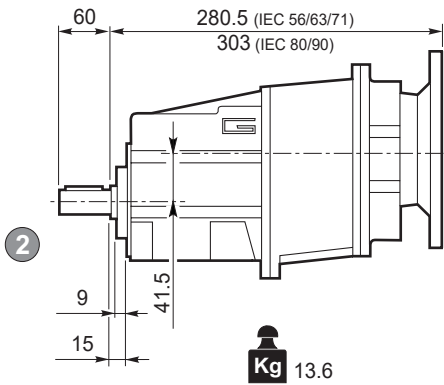
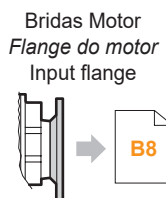
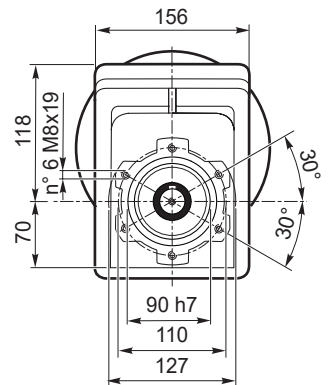
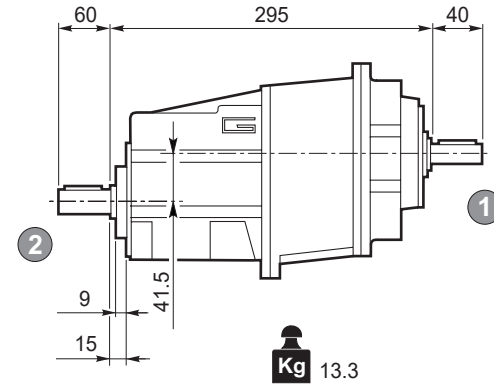
Eje de salida
Eixo saída
Output shaft

2



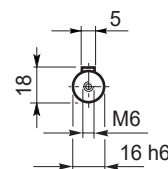
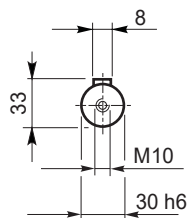
Eje de entrada
Eixo entrada
Input shaft

1

CMG 033 U**CMGIS 033 U**

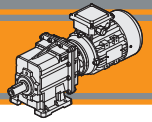
Eje de salida
Eixo saída
Output shaft

2



Eje de entrada
Eixo entrada
Input shaft

1



Dimensiones

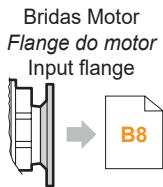
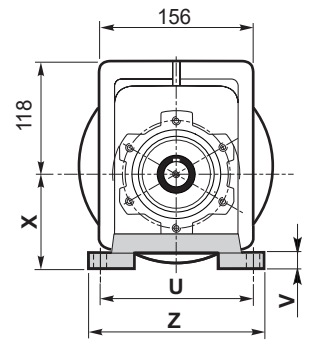
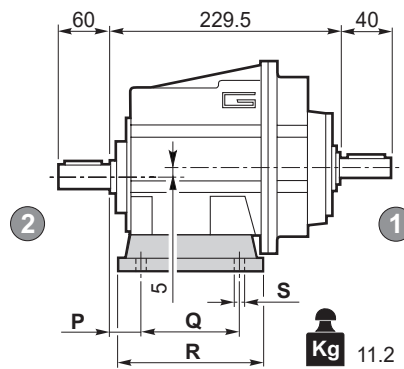
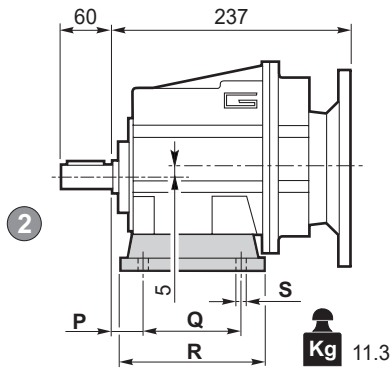
Dimensões

Dimensions

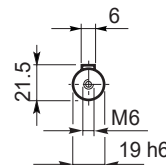
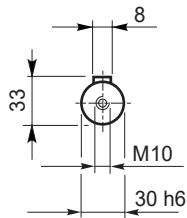
CMG 032 H.. - CMG 033 H..

CMG 032 H..

CMGIS 032 H..



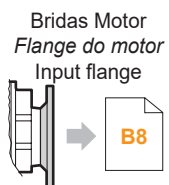
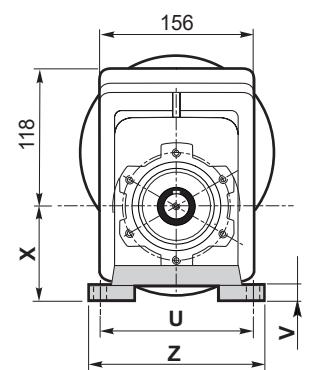
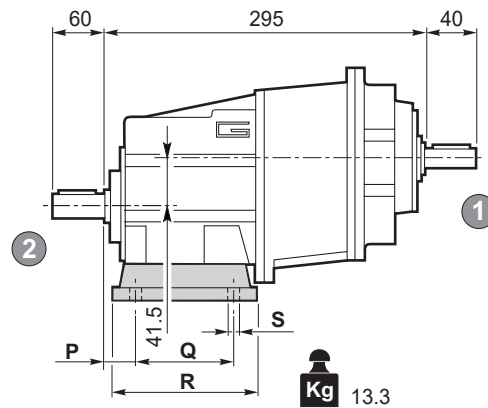
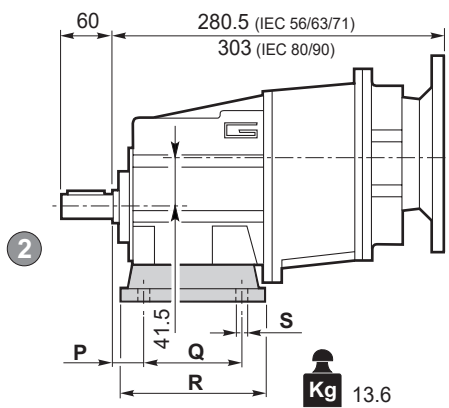
Eje de salida
Eixo saída
Output shaft



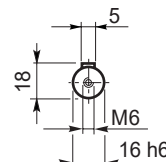
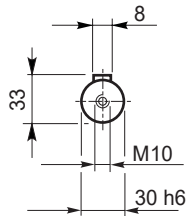
Eje de entrada
Eixo entrada
Input shaft

CMG 033 H..

CMGIS 033 H..



Eje de salida
Eixo saída
Output shaft

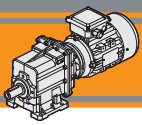


Eje de entrada
Eixo entrada
Input shaft

Versión H / Versão H / H Version

CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot	
									Tipo / Tipo / Type	Peso / Peso / Weight [kg]
032 033	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
	19.5	149.5	184	14	180	18	130	214	H130	2.9

Preferencial / Preferencial / Preferred



CMG

Motorreductores de engranajes cilíndricos
 Motores de engrenagens helicoidais
 Helical in-line gearmotors

60 Hz

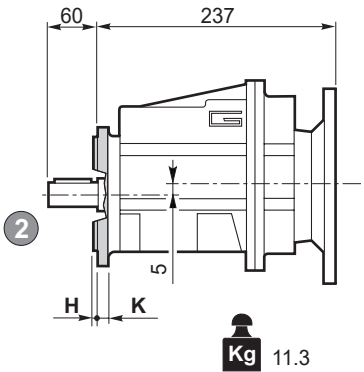
Dimensiones

Dimensões

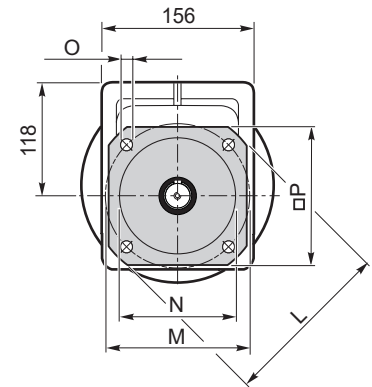
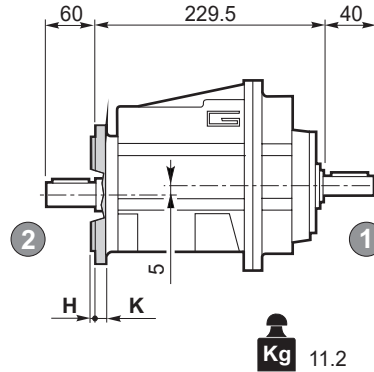
Dimensions

CMG 032 F.. - CMG 033 F..

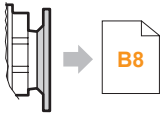
CMG 032 F..



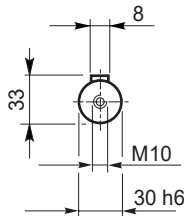
CMGIS 032 F..



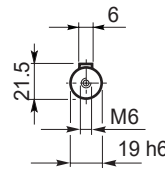
Bridas Motor
Flange do motor
Input flange



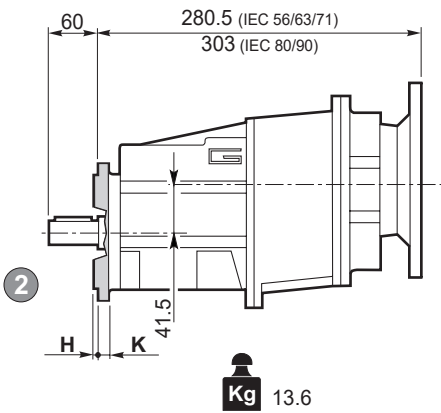
Eje de salida
Eixo saída
Output shaft



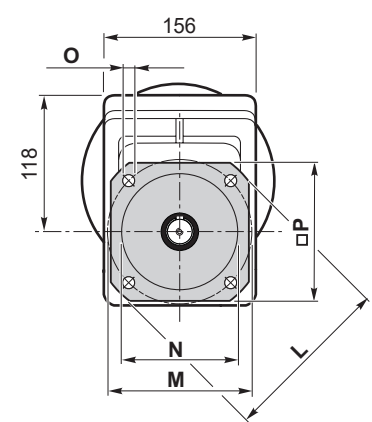
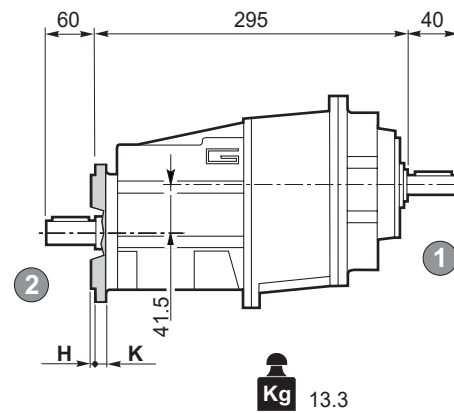
Eje de entrada
Eixo entrada
Input shaft



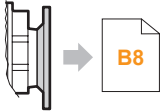
CMG 033 F..



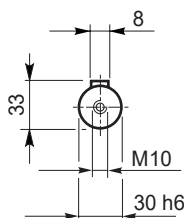
CMGIS 033 F..



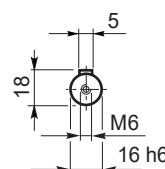
Bridas Motor
Flange do motor
Input flange



Eje de salida
Eixo saída
Output shaft

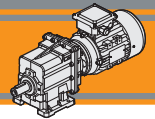


Eje de entrada
Eixo entrada
Input shaft



Versión F / Versão F / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	Brida / Flange / Flange	
								Tipo / Tipo / Type	Peso / Peso / Weight [kg]
032 033	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9



Dimensiones

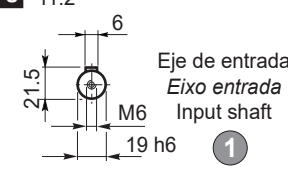
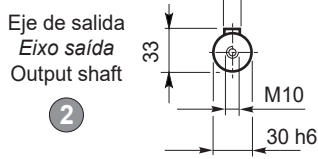
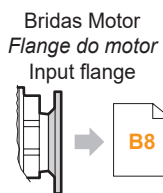
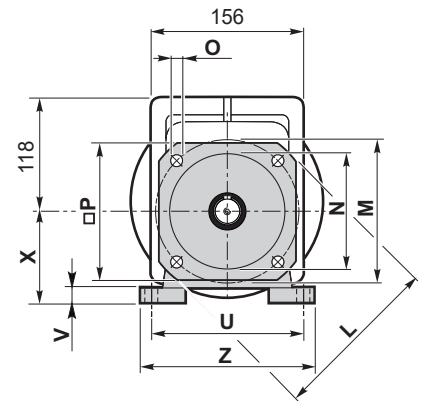
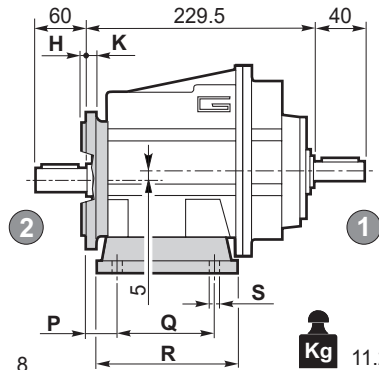
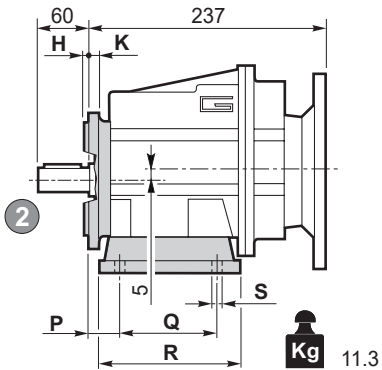
Dimensões

Dimensions

CMG 032 H./F.. - CMG 033 H./F..

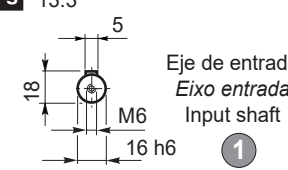
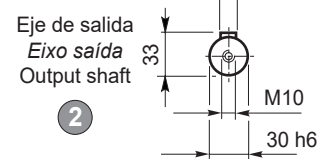
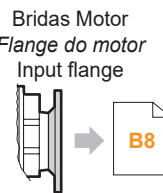
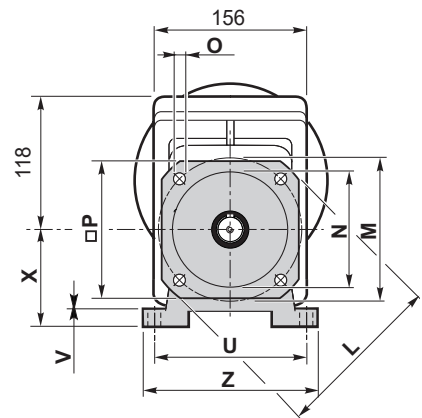
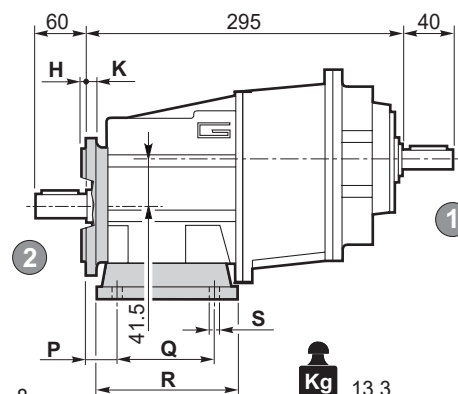
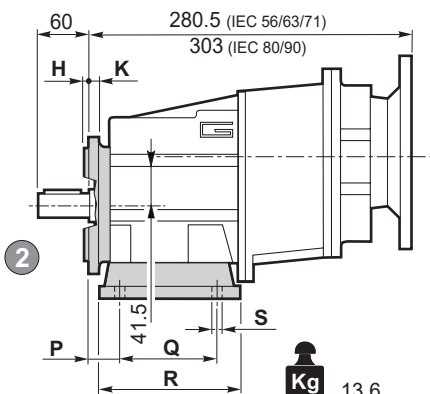
CMG 032 H./F..

CMGIS 032 H./F..



CMG 033 H./F..

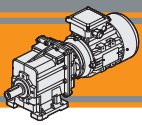
CMGIS 033 H./F..



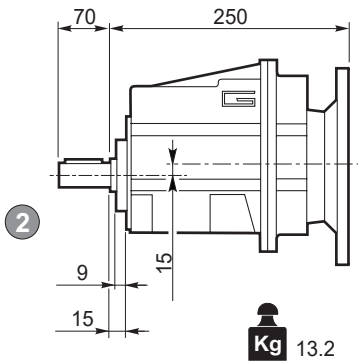
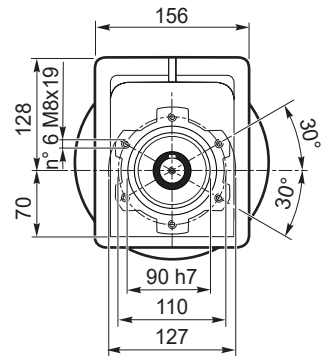
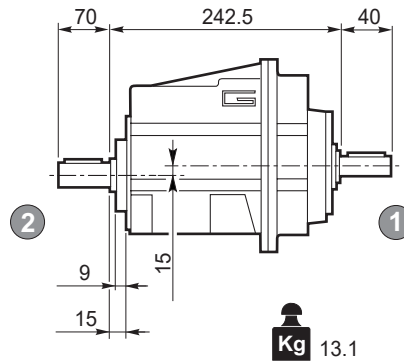
Versión H / Versão H / H Version									Combinazioni possibili H/F Possible combinations H/F				
CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot		F160	F200	F250
									Tipo / Tipo / Type	Kg			
032 033	30	105	136	14	160	14	95	194	H95	1.5	•	•	
	30	100	150	11	150	14	110	185	H110	1.9	•	•	
	18	70	150	11	160	14	110	185	H110	1.9	•	•	
	30	165	195	14	135	14	115	170	H115	2.2	•	•	•
	35	110	160	14	170	14	120	210	H120	2.6	•	•	•
	19.5	149.5	184	14	180	18	130	214	H130	2.9	•	•	•

Preferencial / Preferencial / Preferred • Combinaciones posibles H/F / Combinações possíveis H/F / Possible combinations H/F

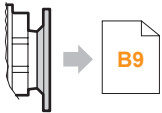
Versión F / Versão F / F Version								Brida / Flange / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P	Tipo / Tipo / Type	
								Peso / Peso / Weight [kg]	
032 033	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9

**CMG**

Motorreductores de engranajes cilíndricos
 Motoredutores de engrenagens helicoidais
 Helical in-line gearmotors

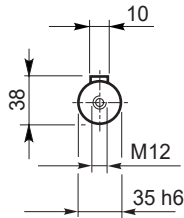
60 Hz**Dimensiones****Dimensões****Dimensions****CMG 042 U - CMG 043 U****CMG 042 U****CMGIS 042 U**

Bridas Motor
 Flange do motor
 Input flange



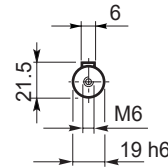
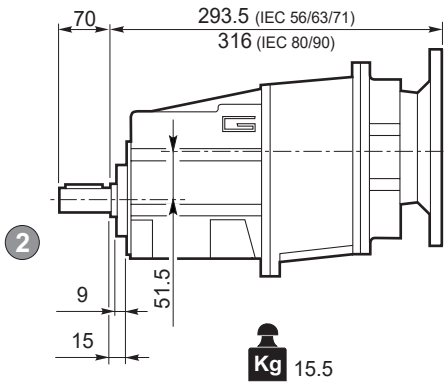
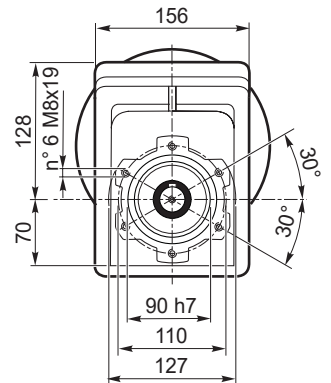
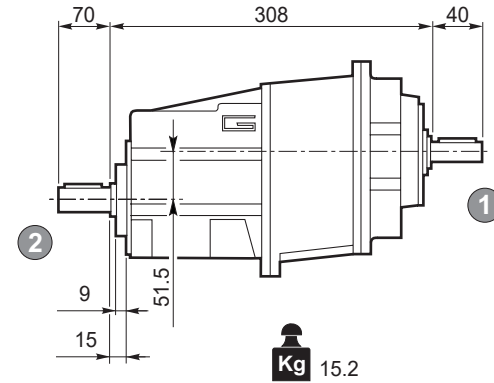
Eje de salida
 Eixo saída
 Output shaft

2

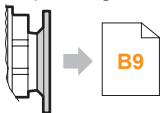


Eje de entrada
 Eixo entrada
 Input shaft

1

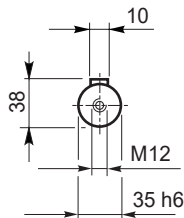
**CMG 043 U****CMGIS 043 U**

Bridas Motor
 Flange do motor
 Input flange



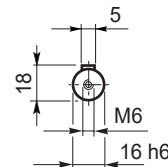
Eje de salida
 Eixo saída
 Output shaft

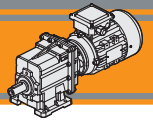
2



Eje de entrada
 Eixo entrada
 Input shaft

1





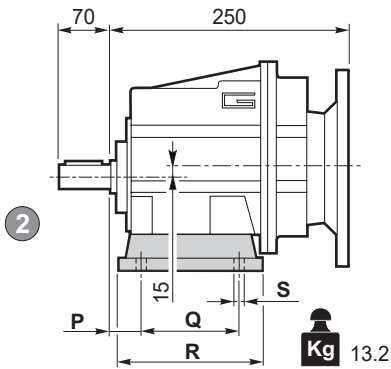
Dimensiones

Dimensões

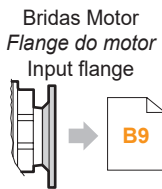
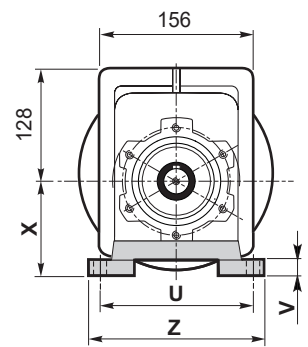
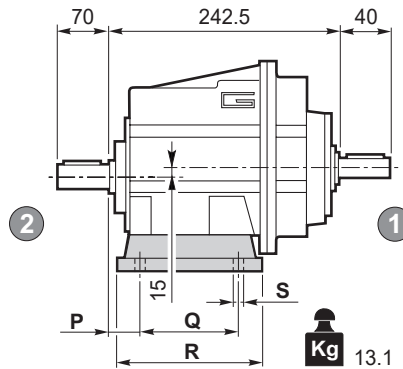
Dimensions

CMG 042 H.. - CMG 043 H..

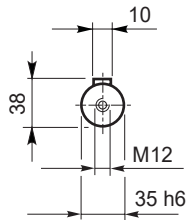
CMG 042 H..



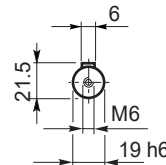
CMGIS 042 H..



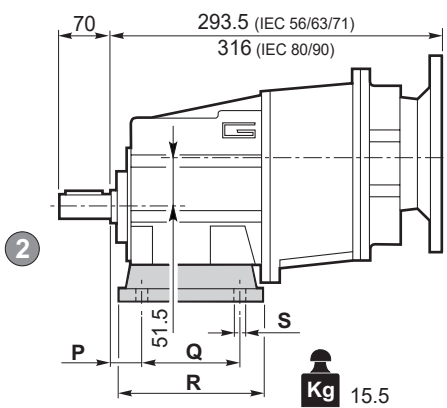
Eje de salida
Eixo saída
Output shaft



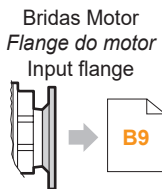
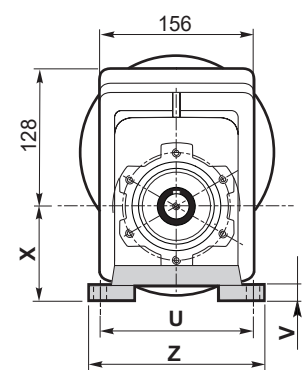
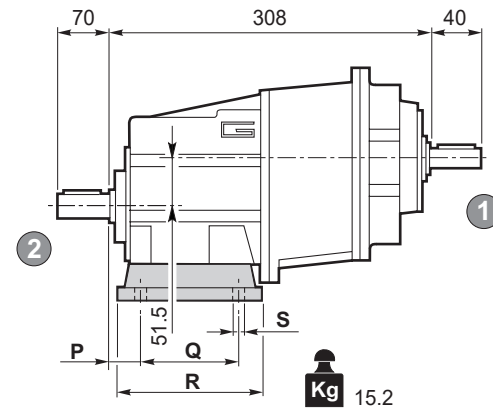
Eje de entrada
Eixo entrada
Input shaft



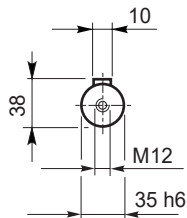
CMG 043 H..



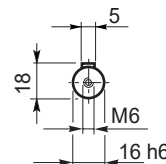
CMGIS 043 H..



Eje de salida
Eixo saída
Output shaft



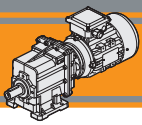
Eje de entrada
Eixo entrada
Input shaft



Versión H / Versão H / H Version

CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot	
									Tipo / Tipo / Type	Peso / Peso / Weight [kg]
042 043	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
	19.5	149.5	184	14	180	18	130	214	H130	2.9

Preferencial / Preferencial / Preferred



CMG

Motorreductores de engranajes cilíndricos
 Motores de engrenagens helicoidais
 Helical in-line gearmotors

60 Hz

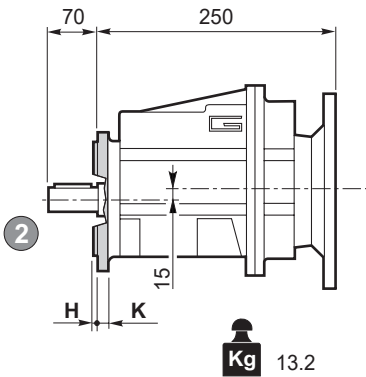
Dimensiones

Dimensões

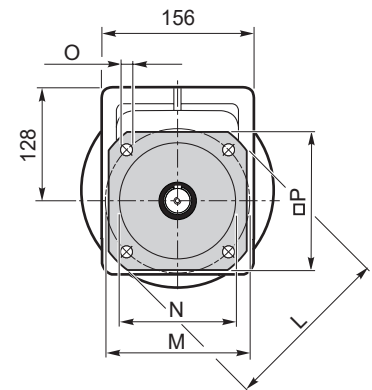
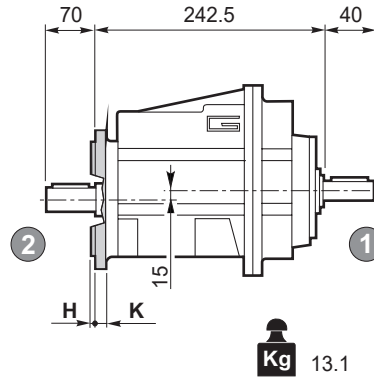
Dimensions

CMG 042 F.. - CMG 043 F..

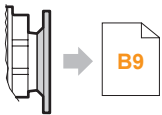
CMG 042 F..



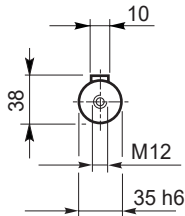
CMGIS 042 F..



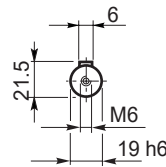
Bridas Motor
Flange do motor
Input flange



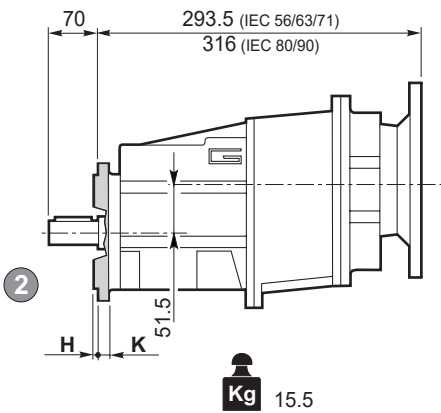
Eje de salida
Eixo saída
Output shaft



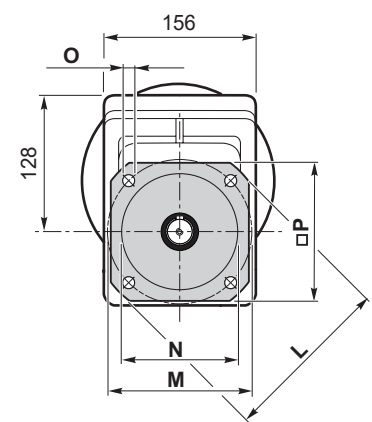
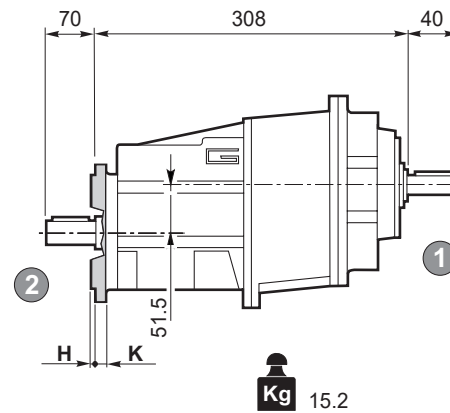
Eje de entrada
Eixo entrada
Input shaft



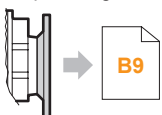
CMG 043 F..



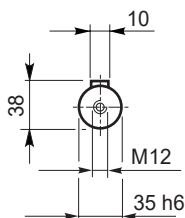
CMGIS 043 F..



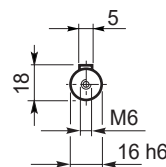
Bridas Motor
Flange do motor
Input flange



Eje de salida
Eixo saída
Output shaft

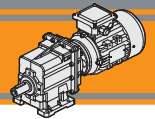


Eje de entrada
Eixo entrada
Input shaft



Versión F / Versão F / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	Brida / Flange / Flange	
								Tipo / Tipo / Type	Peso / Peso / Weight [kg]
042 043	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9



Dimensiones

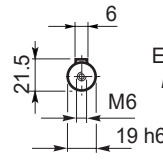
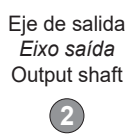
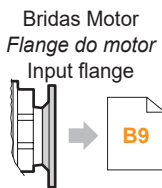
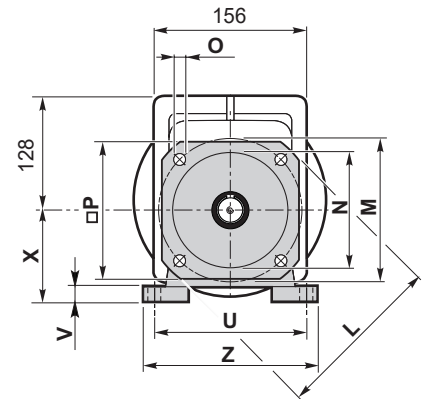
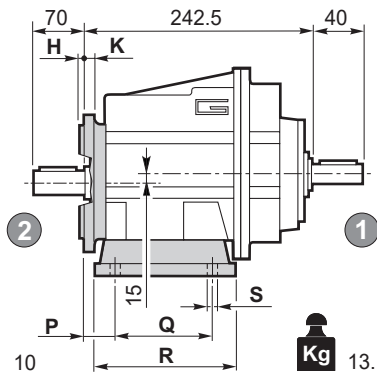
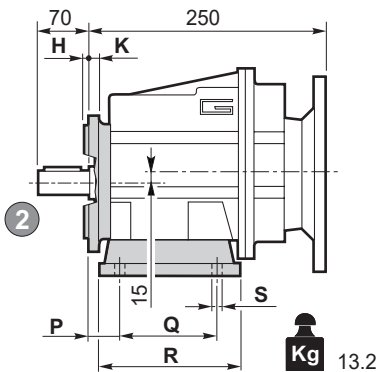
Dimensões

Dimensions

CMG 042 H../F.. - CMG 043 H../F..

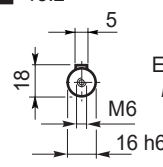
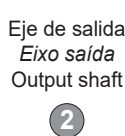
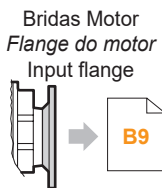
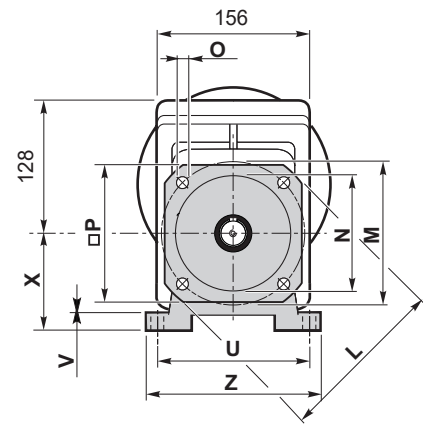
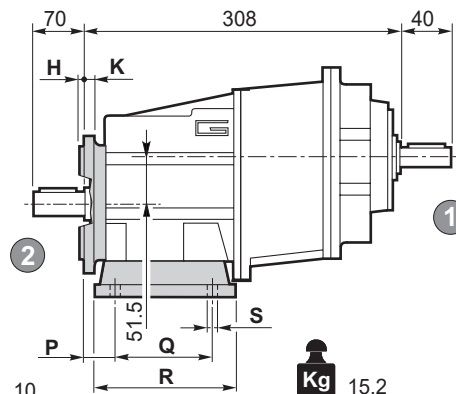
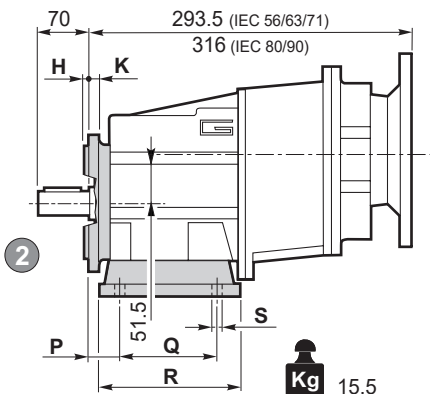
CMG 042 H../F..

CMGIS 042 H../F..



CMG 043 H../F..

CMGIS 043 H../F..



Versión H / Versão H / H Version										Combinaciones posibles H/F Combinacoes possíveis H/F Possible combinations H/F			
CMG CMGIS	P	Q	R	S	U	V	X	Z	Patas / Base / Foot		F160	F200	F250
									Tipo / Tipo / Type	Kg			
042 043	30	105	136	14	160	14	95	194	H95	1.5	•	•	
	30	100	150	11	150	14	110	185	H110	1.9	•	•	
	18	70			160								
	30	165	195	14	135	14	115	170	H115	2.2	•	•	•
	35	110	160	14	170	14	120	210	H120	2.6	•	•	•
	19.5	149.5	184	14	180	18	130	214	H130	2.9	•	•	•

Preferencial / Preferencial / Preferred • Combinaciones posibles H/F / Combinacoes possíveis H/F / Possible combinations H/F

Versión F / Versão F / F Version										Brida / Flange / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P	Tipo / Tipo / Type		Peso / Peso / Weight [kg]	
042 043	3.5	11	160	130	110	9	140	F160		1.0	
	3.5	11	200	165	130	11	165	F200		1.8	
	4	13	250	215	180	14	215	F250		2.9	

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TRANSTECNO®
the modular gearmotor
MEMBER OF INTERPUMP GROUP

CATACALU60HZ0521



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