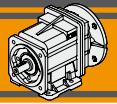


RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

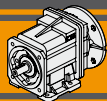




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Designazione	<i>Classification</i>	B2
Sensi di rotazione	<i>Direction of rotation</i>	B3
Lubrificazione	<i>Lubrication</i>	B4
Simbologia	<i>Symbols</i>	B4
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**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Caratteristiche tecniche**

I riduttori della serie CMG sono caratterizzati da un elevato grado di modularità: partendo da un corpo di base è possibile configurarlo secondo le esigenze, con flangia o piede.

Caratteristiche comuni a tutta la serie:

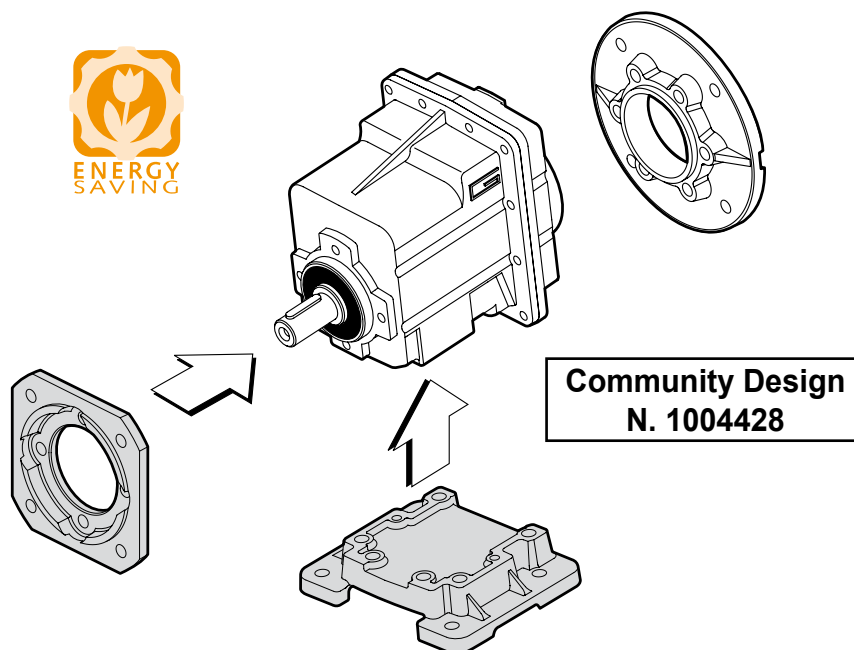
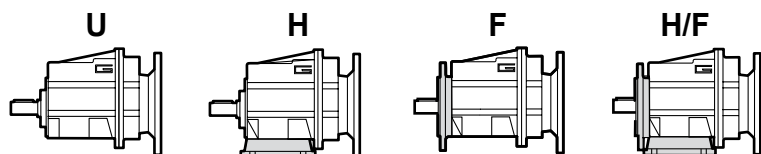
- Carcassa e flangia PAM in pressofusione di alluminio per le taglie 00, 01, 02, 03 e 04. La taglia 05 è costruita in ghisa;
- Piedi e flange d'uscita in ghisa;
- Ingranaggi sempre rettificati;
- Lubrificazione permanente con olio sintetico.

Technical features

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

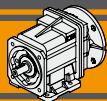
The main features of CMG range are:

- *Die-cast aluminum housings and input flanges for sizes 00, 01, 02, 03 and 04. Cast iron housing on size 05;*
- *Cast iron feet and output flanges;*
- *Ground-hardened helical gears;*
- *Permanent synthetic oil long-life lubrication.*

**Designazione****Classification**

RIDUTTORE / GEARBOX

CMG	01	2	H65	9.81	D20	71	B14	B3
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	IEC 	Forma costruttiva Version	Pos. di montaggio Mounting position
CMG	00 01 02 03 04 05	2 3	U... H... F... H.../F...	vedi tabelle see tables	vedi tabelle see tables	56.. — 112..	B5 B14	B3-B5 B8 B6 B7 V5-V1 V6-V3

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Lubrificazione****Lubrication**

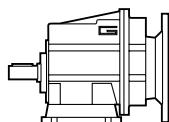
Tutti i riduttori nelle taglie 00, 01, 02, 03 e 04 sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione. Per la taglia 05 la lubrificazione dipende dalla posizione di montaggio.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use sizes 00, 01, 02, 03 and 04 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance. For size 05 lubrication depends on assembly position.

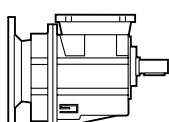
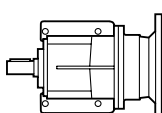
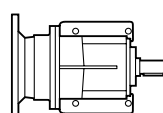
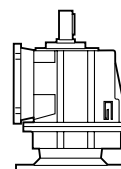
CMG CMGIS	Quantità di olio (litri) / Oil quantity (litres)					
	B3	B8	B6	B7	V5	V6
002	0.18					
012	0.32					
013	0.94					
022	0.32					
023	0.94					
032	0.7					
033	1.8					
042	0.7					
043	1.8					
052	2.6	2	2.3	2.3	2.6	3.3
053	3.2	2.6	2.9	2.9	4.9	4.7

 Lubrificati a vita
Life lubrication

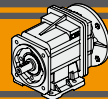
Posizioni di montaggio / Mounting positions

**B3**

(standard)

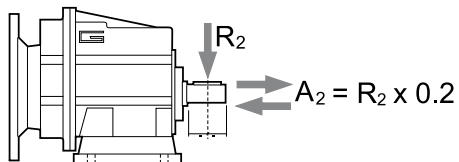
**B8****B6****B7****V5****V6****Simbologia****Symbols**

n_1	[min ⁻¹]	Velocità in ingresso / Input speed
n_2	[min ⁻¹]	Velocità in uscita / Output speed
i		Rapporto di riduzione / Ratio
P_1	[kW]	Potenza in entrata / Input power
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / Output torque referred to P_1
Pn_1	[kW]	Potenza nominale in entrata / Nominal input power
Mn_2	[Nm]	Coppia nominale in uscita in funzione di Pn_1 / Nominal output torque referred to Pn_1
sf		Fattore di servizio / Service factor
R_2	[N]	Carico radiale ammissibile in uscita / Permitted output radial load
A_2	[N]	Carico assiale ammissibile in uscita / Permitted output axial load



Carichi radiali

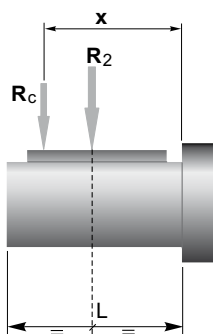
Radial loads



n_2 [min ⁻¹]	R_2 [N]					
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04	CMG 05
700	416	764	1529	1987	2379	3556
600	437	805	1609	2092	2504	3744
500	465	855	1710	2223	2661	3979
400	501	921	1842	2395	2866	4286
250	586	1077	2154	2801	3353	5013
180	653	1323	2554	3321	3897	5853
150	748	1406	2714	3529	4244	6392
120	806	1631	3467	3801	4572	7388
100	958	1842	3684	4507	5234	7851
80	1032	1984	3969	5042	5991	8963
60	1136	2184	4368	5549	6594	10483
40	1300	2500	5000	6500	8000	12000
10	1300	2500	5000	6500	8000	12000

Quando il carico radiale risultante non è applicato sulla mezza-
 ria dell'albero occorre calcolare quello effettivo con la seguente
 formula:

*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:*

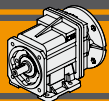


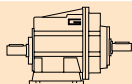
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04	CMG 05
a	73	104	117	132	150	180
b	53	84	92	102	115	140
R_{2MAX}	1300	2500	5000	6500	8000	12000

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

$$R \leq R_c$$

a, b = valori riportati nella tabella
a, b = values given in the table

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici** **n_1 1400 min⁻¹****Technical data**

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
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CMGIS 002

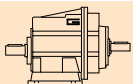
279	40	1.2	5.03
230	40	1.0	6.10
187	40	0.82	7.49
156	50	0.85	8.99
138	50	0.75	10.16
116	50	0.63	12.07
105	70	0.80	13.40
92.5	70	0.71	15.14
77.1	70	0.59	18.17
64.9	70	0.50	21.58
59.6	70	0.45	23.51
55.8	70	0.43	25.10
51.7	70	0.39	27.08
43.1	70	0.33	32.49
33.3	70	0.25	42.04
31.2	70	0.24	44.89
28.7	70	0.22	48.86

CMGIS 012

367	60	2.4	3.82
302	60	2.0	4.63
246	60	1.6	5.69
181	80	1.6	7.72
153	80	1.3	9.17
143	80	1.2	9.81
122	100	1.3	11.50
118	100	1.3	11.90
101	120	1.3	13.80
95.7	120	1.3	14.62
78.4	120	1.0	17.86
73.4	120	1.0	19.07
70.6	120	0.9	19.83
59.4	120	0.8	23.56
47.4	120	0.6	29.56
39.5	120	0.5	35.47
30.5	120	0.4	45.89
28.6	120	0.4	49.00
26.3	120	0.3	53.33

CMGIS 013

30.0	120	0.40	46.61
25.3	120	0.34	55.36
22.1	120	0.30	63.22
18.6	120	0.25	75.08
15.7	120	0.21	89.17
12.4	120	0.17	113.05
10.4	120	0.14	134.27
8.1	120	0.11	173.72
6.9	120	0.09	202.16
5.4	120	0.07	261.57
4.6	120	0.06	304.00
3.6	120	0.05	393.33

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
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CMGIS 022

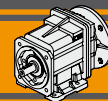
383	100	4.2	3.66
316	100	3.4	4.43
257	100	2.8	5.45
190	120	2.5	7.39
159	120	2.1	8.78
141	120	1.8	9.93
127	200	2.8	11.01
116	200	2.5	12.05
106	200	2.3	13.21
94.6	200	2.1	14.81
81.9	160	1.4	17.10
76.7	160	1.3	18.26
69.7	200	1.5	20.08
58.7	200	1.3	23.85
46.8	200	1.0	29.93
39.0	200	0.9	35.91
30.1	200	0.7	46.46
28.2	200	0.6	49.61
25.9	200	0.6	54.00

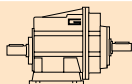
CMGIS 023

29.7	200	0.66	47.19
25.0	200	0.56	56.05
21.9	200	0.49	64.01
18.4	200	0.41	76.02
15.5	200	0.35	90.29
12.2	200	0.27	114.46
10.3	200	0.23	135.95
8.0	200	0.18	175.89
6.8	200	0.15	204.69
5.3	200	0.12	264.84
4.5	200	0.10	307.80
3.5	200	0.08	398.25

CMGIS 032

374	150	6.1	3.74
311	150	5.1	4.50
255	150	4.2	5.48
222	180	4.4	6.31
177	180	3.5	7.93
154	180	3.0	9.08
128	180	2.5	10.93
111	250	3.0	12.60
105	250	2.9	13.30
91.5	280	2.8	15.30
76.9	280	2.3	18.21
72.8	280	2.2	19.24
66.2	280	2.0	21.15
45.8	300	1.5	30.57
31.7	300	1.0	44.18
27.3	300	0.9	51.30
23.0	300	0.8	60.8


Dati tecnici
 n_1 1400 min⁻¹
Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
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CMGIS 033

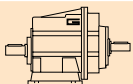
31.0	300	1.0	45.21
22.8	300	0.76	61.32
19.2	300	0.64	72.83
14.4	300	0.48	97.45
12.1	300	0.40	115.74
9.9	300	0.33	140.81
8.0	300	0.27	174.26
6.2	300	0.21	225.47
5.3	300	0.18	262.05
4.3	300	0.14	325.79
3.7	300	0.12	378.64

CMGIS 042

374	230	9.4	3.74
311	230	7.8	4.50
255	230	6.4	5.48
222	260	6.3	6.31
176	260	5.0	7.93
154	280	4.7	9.08
128	280	3.9	10.93
111	350	4.2	12.60
105	350	4.0	13.30
91.5	420	4.2	15.30
76.9	420	3.5	18.21
72.8	420	3.3	19.24
45.8	500	2.5	30.57
31.7	500	1.7	44.18
27.3	500	1.5	51.30
23.0	480	1.2	60.8

CMGIS 043

31.0	500	1.7	45.21
22.8	500	1.3	61.32
19.2	500	1.1	72.83
14.4	500	0.80	97.45
12.1	500	0.67	115.74
9.9	500	0.55	140.81
8.0	500	0.45	174.26
6.2	500	0.35	225.47
5.3	500	0.30	262.05
4.3	500	0.24	325.79
3.7	500	0.21	378.64

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
---	---	----------------------------------	----------------------------------	-----------------------

CMGIS 052

371	410	16.6	3.78
292	410	13.0	4.80
241	410	10.8	5.82
210	470	10.7	6.68
167	470	8.6	8.37
153	510	8.5	9.16
141	510	7.9	9.90
120	630	8.3	11.64
106	630	7.3	13.25
99.2	750	8.1	14.11
86.4	750	7.1	16.20
68.9	750	5.6	20.31
58.3	900	5.7	24.02
43.6	900	4.3	32.13
30.2	900	3.0	46.31

CMGIS 053

25.0	900	2.50	56.05
21.7	900	2.18	64.48
18.7	900	1.87	74.96
17.3	900	1.73	81.07
16.2	900	1.63	86.24
12.9	900	1.29	108.43
10.9	900	1.09	128.84
8.1	900	0.81	172.32
7.5	900	0.75	186.17
6.5	900	0.65	216.19
5.6	900	0.56	248.99
4.8	900	0.49	289.15

Nota:

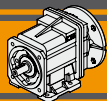
Pn_1 è la potenza meccanica.

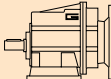
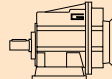
La potenza applicabile è ridotta del fattore termico.

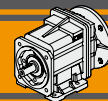
Per maggiori dettagli consultare il nostro Servizio Tecnico.

Note:

Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.

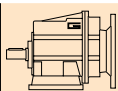
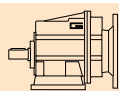
**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici****Technical data**

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.06							0.12						
56A4 (1400 min ⁻¹)	279	2	20.3	5.03	CMG002	B5/B14	63A4 (1400 min ⁻¹)	30.0	36	3.3	46.61	CMG013	B5
	230	2	16.7	6.10		B5/B14		25.3	43	2.8	55.36		B5
	187	3	13.6	7.49		B5/B14		22.1	49	2.5	63.22		B5
	156	4	14.2	8.99		B5/B14		18.6	58	2.1	75.08		B5
	138	4	12.5	10.16		B5/B14		15.7	69	1.7	89.17		B5
	116	5	10.5	12.07		B5/B14		12.4	87	1.4	113.05		B5
	105	5	13.3	13.40		B5/B14		10.4	103	1.2	134.27		B5
	92.5	6	11.8	15.14		B5/B14		8.1	134	0.9	173.72		B5
	77.1	7	9.8	18.17		B5/B14		6.9	156	0.8	202.16		B5
	64.9	8	8.3	21.58		B5/B14		5.4	201	0.6	261.57		B5
	59.6	9	7.6	23.51		B5/B14		4.6	234	0.5	304.00		B5
	55.8	10	7.1	25.10		B5/B14		3.6	303	0.4	393.33		B5
	51.7	11	6.6	27.08		B5/B14		29.7	36	5.5	47.19	CMG023	B5
	43.1	13	5.5	32.49		B5/B14			43	4.6	56.05		B5
	33.3	17	4.2	42.04		B5/B14			49	4.1	64.01		B5
	31.2	18	4.0	44.89		B5/B14			58	3.4	76.02		B5
	28.7	19	3.6	48.86		B5/B14			69	2.9	90.29		B5
				B5/B14	88	2.3	114.46		B5				
0.09							10.3	105	1.9	135.95	B5		
56B4 (1400 min ⁻¹)	279	3	13.5	5.03	CMG002	B5/B14	8.0	135	1.5	175.89	B5		
	230	4	11.1	6.10		B5/B14	6.8	157	1.3	204.69	B5		
	187	4	9.1	7.49		B5/B14	5.3	204	1.0	264.84	B5		
	156	5	9.4	8.99		B5/B14	4.5	237	0.8	307.80	B5		
	138	6	8.3	10.16		B5/B14	3.5	306	0.7	398.25	B5		
	116	7	7.0	12.07		B5/B14	31.0	35	8.6	45.21	CMG033		B5
	105	8	8.9	13.40		B5/B14		47	6.4	61.32		B5	
	92.5	9	7.8	15.14		B5/B14		56	5.4	72.83		B5	
	77.1	11	6.5	18.17		B5/B14		75	4.0	97.45		B5	
	64.9	13	5.5	21.58		B5/B14		89	3.4	115.74		B5	
	59.6	14	5.1	23.51		B5/B14		108	2.8	140.81		B5	
	55.8	15	4.7	25.10		B5/B14		134	2.2	174.26		B5	
	51.7	16	4.4	27.08		B5/B14		173	1.7	225.47		B5	
	43.1	19	3.7	32.49		B5/B14		202	1.5	262.05		B5	
	33.3	25	2.8	42.04		B5/B14		251	1.2	325.79		B5	
	31.2	26	2.6	44.89		B5/B14		291	1.0	378.64		B5	
	28.7	29	2.4	48.86		B5/B14		31.0	35	14.4		45.21	CMG043
						B5/B14	47		10.6	61.32	B5		
0.12							19.2		56	8.9	72.83	B5	
63A4 (1400 min ⁻¹)	279	4	10.1	5.03	CMG002	B5/B14	14.4		75	6.7	97.45	B5	
	230	5	8.3	6.10		B5/B14	12.1		89	5.6	115.74	B5	
	187	6	6.8	7.49		B5/B14	9.9		108	4.6	140.81	B5	
	156	7	7.1	8.99		B5/B14	8.0	134	3.7	174.26	B5		
	138	8	6.3	10.16		B5/B14	6.2	173	2.9	225.47	B5		
	116	9	5.3	12.07		B5/B14	5.3	202	2.5	262.05	B5		
	105	11	6.7	13.40		B5/B14	4.3	251	2.0	325.79	B5		
	92.5	12	5.9	15.14		B5/B14	3.7	291	1.7	378.64	B5		
	77.1	14	4.9	18.17		B5/B14	31.0	35	14.4	45.21	CMG043	B5	
	64.9	17	4.1	21.58		B5/B14		47	10.6	61.32		B5	
	59.6	18	3.8	23.51		B5/B14		56	8.9	72.83		B5	
	55.8	20	3.5	25.10		B5/B14		75	6.7	97.45		B5	
	51.7	21	3.3	27.08		B5/B14		89	5.6	115.74		B5	
	43.1	26	2.7	32.49		B5/B14		108	4.6	140.81		B5	
	33.3	33	2.1	42.04		B5/B14		134	3.7	174.26		B5	
	31.2	35	2.0	44.89		B5/B14		173	2.9	225.47		B5	
	28.7	38	1.8	48.86		B5/B14		202	2.5	262.05		B5	
				B5/B14	251	2.0		325.79	B5				
				B5/B14	291	1.7		378.64	B5				
0.18								31.0	35	14.4		45.21	B5
63B4 (1400 min ⁻¹)	279	6	6.8	5.03	CMG002	B5/B14	22.8	47	10.6	61.32	B5		
	230	7	5.6	6.10		B5/B14	19.2	56	8.9	72.83	B5		
	187	9	4.5	7.49		B5/B14	14.4	75	6.7	97.45	B5		
	156	11	4.7	8.99		B5/B14	12.1	89	5.6	115.74	B5		
	138	12	4.2	10.16		B5/B14	9.9	108	4.6	140.81	B5		
	116	14	3.5	12.07		B5/B14	8.0	134	3.7	174.26	B5		
	105	16	4.4	13.40		B5/B14	6.2	173	2.9	225.47	B5		
	92.5	18	3.9	15.14		B5/B14	5.3	202	2.5	262.05	B5		
	77.1	21	3.3	18.17		B5/B14	4.3	251	2.0	325.79	B5		
	64.9	25	2.8	21.58		B5/B14	3.7	291	1.7	378.64	B5		
	59.6	28	2.5	23.51		B5/B14	31.0	35	14.4	45.21	CMG043	B5	
	55.8	30	2.4	25.10		B5/B14		47	10.6	61.32		B5	
	51.7	32	2.2	27.08		B5/B14		56	8.9	72.83		B5	
	43.1	38	1.8	32.49		B5/B14		75	6.7	97.45		B5	
	33.3	50	1.4	42.04		B5/B14		89	5.6	115.74		B5	
	31.2	53	1.3	44.89		B5/B14		108	4.6	140.81		B5	
	28.7	58	1.2	48.86		B5/B14		134	3.7	174.26		B5	
				B5/B14	173	2.9		225.47	B5				
				B5/B14	202	2.5		262.05	B5				
				B5/B14	251	2.0		325.79	B5				
				B5/B14	291	1.7		378.64	B5				
0.12								31.0	35	14.4		45.21	B5
63A4 (1400 min ⁻¹)	279	4	10.1	5.03	CMG002	B5/B14	22.8	47	10.6	61.32	B5		
	230	5	8.3	6.10		B5/B14	19.2	56	8.9	72.83	B5		
	187	6	6.8	7.49		B5/B14	14.4	75	6.7	97.45	B5		
	156	7	7.1	8.99		B5/B14	12.1	89	5.6	115.74	B5		
	138	8	6.3	10.16		B5/B14	9.9	108	4.6	140.81	B5		
	116	9	5.3	12.07		B5/B14	8.0	134	3.7	174.26	B5		
	105	11	6.7	13.40		B5/B14	6.2	173	2.9	225.47	B5		
	92.5	12	5.9	15.14		B5/B14	5.3	202	2.5	262.05	B5		
	77.1	14	4.9	18.17		B5/B14	4.3	251	2.0	325.79	B5		
	64.9	17	4.1	21.58		B5/B14	3.7	291	1.7	378.64	B5		
	59.6	18	3.8	23.51		B5/B14	31.0	35	14.4	45.21	CMG043	B5	
	55.8	20	3.5	25.10		B5/B14		47	10.6	61.32		B5	
	51.7	21	3.3	27.08		B5/B14		56	8.9	72.83		B5	
	43.1	26	2.7	32.49		B5/B14		75	6.7	97.45		B5	
	33.3	33	2.1	42.04		B5/B14		89	5.6	115.74		B5	
	31.2	35	2.0	44.89		B5/B14		108	4.6	140.81		B5	
	28.7	38	1.8	48.86		B5/B14		134	3.7	174.26		B5	
				B5/B14	173	2.9		225.47	B5				
				B5/B14	202	2.5		262.05	B5				
				B5/B14	251	2.0		325.79	B5				
				B5/B14	291	1.7		378.64	B5				
0.18								31.0	35	14.4		45.21	B5
63B4 (1400 min ⁻¹)	279	6	6.8	5.03	CMG002	B5/B14	22.8	47	10.6	61.32	B5		
	230	7	5.6	6.10		B5/B14	19.2	56	8.9	72.83	B5		
	187	9	4.5	7.49		B5/B14	14.4	75	6.7	97.45	B5		
	156	11	4.7	8.99		B5/B14	12.1	89	5.6	115.74	B5		
	138	12	4.2	10.16		B5/B14	9.9	108	4.6	140.81	B5		
	116	14	3.5	12.07		B5/B14	8.0	134	3.7	174.26	B5		
	105	16	4.4	13.40		B5/B14	6.2	173	2.9	225.47	B5		
	92.5	18	3.9	15.14		B5/B14	5.3	202	2.5	262.05	B5		
	77.1	21	3.3	18.17		B5/B14	4.3	251	2.0	325.79	B5		
	64.9	25	2.8	21.58		B5/B14	3.7	291	1.7	378.64	B5		
	59.6	28	2.5	23.51		B5/B14	31.0	35	14.4	45.21	CMG043	B5	
	55.8	30	2.4	25.10		B5/B14		47	10.6	61.32		B5	
	51.7	32	2.2	27.08		B5/B14		56	8.9	72.83		B5	
	43.1	38	1.8	32.49		B5/B14		75	6.7	97.45		B5	
	33.3	50	1.4	42.04		B5/B14		89	5.6	115.74		B5	
	31.2	53	1.3	44.89		B5/B14		108	4.6	140.81		B5	
	28.7	58	1.2	48.86		B5/B14		134	3.7	174.26		B5	
				B5/B14	173	2.9		225.47	B5				
				B5/B14	202	2.5		262.05	B5				
				B5/B14	251	2.0		325.79	B5				
				B5/B14	291	1.7		378.64	B5				
0.12								31.0	35	14.4		45.21	B5
63A4 (1400 min ⁻¹)	279	4	10.1	5.03	CMG002	B5/B14	22.8	47	10.6	61.32	B5		
	230	5	8.3	6.10		B5/B14	19.2	56	8.9	72.83	B5		
	187	6	6.8	7.49		B5/B14	14.4	75	6.7	97.45	B5		
	156	7	7.1	8.99		B5/B14	12.1	89	5.6	115.74	B5		
	138	8	6.3	10.16		B5/B14	9.9	108	4.6	140.81	B5		
	116	9	5.3	12.07		B5/B14	8.0	134	3.7	174.26	B5		
	105	11	6.7	13.40		B5/B14	6.2	173	2.9	225.47	B5		
	92.5	12	5.9	15.14		B5/B14	5.3	202	2.5	262.05	B5		
	77.1	14	4.9	18.17		B5/B14	4.3	251	2.0	325.79	B5		
	64.9	17	4.1	21.58		B5/B14	3.7	291	1.7	378.64	B5		
	59.6	18	3.8	23.51		B5/B14	31.0	35	14.4	45.21	CMG043	B5	
	55.8	20	3.5	25.10		B5/B14		47	10.6	61.32		B5	
	51.7	21	3.3	27.08		B5/B14		56	8.9	72.83		B5	
	43.1	26	2.7	32.49		B5/B14		75	6.7	97.45		B5	
	33.3	33	2.1	42.04		B5/B14		89	5.6	115.74		B5	
	31.2	35	2.0	44.89		B5/B14		108	4.6	140.81		B5	
	28.7	38	1.8	48.86		B5/B14		134	3.7	174.26		B5	
				B5/B14	173	2.9		225.47	B5				
				B5/B14	202	2.5		262.05	B5				
				B5/B14	251	2.0		325.79	B5				
				B5/B14	291	1.7		378.64	B5				
0.18								31.0	35	14.4		45.21	B5
63B4 (1400 min ⁻¹)	279												



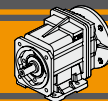
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Technical data

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						
63B4 (1400 min ⁻¹)	78.4	21	5.7	17.86	CMG012	B5	71A4 (1400 min ⁻¹)	367	6	9.6	3.82	CMG012	B5/B14
	73.4	22	5.3	19.07		B5		302	8	7.9	4.63		B5/B14
	70.6	23	5.1	19.83		B5		246	9	6.4	5.69		B5/B14
	59.4	28	4.3	23.56		B5		181	13	6.3	7.72		B5/B14
	47.4	35	3.4	29.56		B5		153	15	5.3	9.17		B5/B14
	39.5	42	2.9	35.47		B5		143	16	5.0	9.81		B5/B14
	30.5	54	2.2	45.89	CMG013	B5		122	19	5.3	11.50	CMG013	B5/B14
	28.6	58	2.1	49.00		B5		118	19	5.1	11.90		B5/B14
	26.3	63	1.9	53.33		B5		101	23	5.3	13.80		B5/B14
	30.0	54	2.2	46.61		B5		95.7	24	5.0	14.62		B5/B14
	25.3	64	1.9	55.36		B5		78.4	29	4.1	17.86		B5/B14
	22.1	73	1.6	63.22		B5		73.4	31	3.8	19.07		B5/B14
	18.6	87	1.4	75.08	CMG023	B5		70.6	32	3.7	19.83	CMG013	B5/B14
	15.7	103	1.2	89.17		B5		59.4	39	3.1	23.56		B5/B14
	12.4	130	0.9	113.05		B5		47.4	48	2.5	29.56		B5/B14
	29.7	54	3.7	47.19		B5		39.5	58	2.1	35.47		B5/B14
	25.0	65	3.1	56.05		B5		30.5	75	1.6	45.89		B5/B14
	21.9	74	2.7	64.01		B5		28.6	80	1.5	49.00		B5/B14
	18.4	88	2.3	76.02	CMG033	B5		26.3	87	1.4	53.33	CMG022	B5/B14
	15.5	104	1.9	90.29		B5		30.0	75	1.6	46.61		B5/B14
	12.2	132	1.5	114.46		B5		25.3	89	1.4	55.36		B5/B14
	10.3	157	1.3	135.95		B5		22.1	101	1.2	63.22		B5/B14
	8.0	203	1.0	175.89		B5		18.6	120	1.0	75.08		B5/B14
	6.8	236	0.8	204.69		B5		15.7	143	0.8	89.17		B5/B14
	31.0	52	5.7	45.21	CMG043	B5		383	6	16.7	3.66	CMG022	B5/B14
	22.8	71	4.2	61.32		B5		316	7	13.8	4.43		B5/B14
	19.2	84	3.6	72.83		B5		257	9	11.2	5.45		B5/B14
	14.4	112	2.7	97.45		B5		189	12	9.9	7.39		B5/B14
	12.1	134	2.2	115.74		B5		160	14	8.4	8.78		B5/B14
	9.9	163	1.8	140.81		B5		141	16	7.4	9.93		B5/B14
	8.0	201	1.5	174.26	CMG043	B5		127	18	11.1	11.01	CMG022	B5/B14
	6.2	260	1.2	225.47		B5		116	20	10.1	12.05		B5/B14
	5.3	302	1.0	262.05		B5		106	22	9.2	13.21		B5/B14
	31.0	52	9.6	45.21		B5		94.6	24	8.3	14.81		B5/B14
	22.8	71	7.1	61.32		B5		81.9	28	5.7	17.10		B5/B14
	19.2	84	5.9	72.83		B5		76.7	30	5.4	18.26		B5/B14
	14.4	112	4.4	97.45	CMG043	B5		69.7	33	6.1	20.08	CMG022	B5/B14
	12.1	134	3.7	115.74		B5		58.7	39	5.1	23.85		B5/B14
	9.9	163	3.1	140.81		B5		46.8	49	4.1	29.93		B5/B14
	8.0	201	2.5	174.26		B5		39.0	59	3.4	35.91		B5/B14
	6.2	260	1.9	225.47		B5		30.1	76	2.6	46.46		B5/B14
	5.3	302	1.7	262.05		B5		28.2	81	2.5	49.61		B5/B14
	4.3	376	1.3	325.79	CMG043	B5		25.9	88	2.3	54.00	CMG022	B5/B14
	3.7	437	1.1	378.64		B5		29.7	76	2.6	47.19		B5/B14
						B5		25.0	90	2.2	56.05		B5/B14
						B5		21.9	103	1.9	64.01		B5/B14
						B5		18.4	122	1.6	76.02		B5/B14
						B5		15.5	145	1.4	90.29		B5/B14
				CMG002	B5/B14	12.2	183	1.1	114.46	CMG023	B5/B14		
					B5/B14	10.3	218	0.9	135.95		B5/B14		
					B5/B14	31.7	72	4.1	44.18		B5/B14		
					B5/B14	27.3	84	3.6	51.30		B5/B14		
					B5/B14	31.0	72	4.1	45.21		B5/B14		
					B5/B14	22.8	98	3.1	61.32		B5/B14		
				CMG002	B5/B14	19.2	117	2.6	72.83	CMG032	B5		
					B5/B14	14.4	156	1.9	97.45		B5		
					B5/B14	12.1	186	1.6	115.74		B5		
					B5/B14	9.9	226	1.3	140.81		B5		
					B5/B14	8.0	279	1.1	174.26		B5		
					B5/B14	6.2	361	0.8	225.47		B5		
0.25													
71A4 (1400 min ⁻¹)	279	8	4.9	5.03	CMG002	B5/B14							
	230	10	4.0	6.10		B5/B14							
	187	12	3.3	7.49		B5/B14							
	156	15	3.4	8.99		B5/B14							
	138	17	3.0	10.16		B5/B14							
	116	20	2.5	12.07		B5/B14							
	105	22	3.2	13.40		B5/B14							
	92.5	25	2.8	15.14		B5/B14							
	77.1	30	2.4	18.17		B5/B14							
	64.9	35	2.0	21.58		B5/B14							
	59.6	38	1.8	23.51		B5/B14							
	55.8	41	1.7	25.10		B5/B14							
	51.7	44	1.6	27.08		B5/B14							
	43.1	53	1.3	32.49		B5/B14							
	33.3	69	1.0	42.04		B5/B14							
	31.2	73	1.0	44.89		B5/B14							
	28.7	80	0.9	48.86		B5/B14							

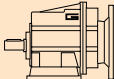


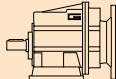
Technical data



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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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0.37

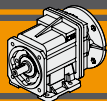
71B4 (1400 min ⁻¹)	25.0	133	6.8	56.05	CMG053	B5
	21.7	153	5.9	64.48		B5
	18.7	178	5.1	74.96		B5
	17.3	192	4.7	81.07		B5
	16.2	205	4.4	86.24		B5
	12.9	257	3.5	108.43		B5
	10.9	306	2.9	128.84		B5
	8.1	409	2.2	172.32		B5
	7.5	442	2.0	186.17		B5
	6.5	513	1.8	216.19		B5
	5.6	591	1.5	248.99		B5
	4.8	686	1.3	289.15		B5

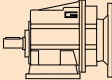
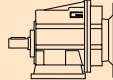
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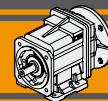
80A4 (1400 min ⁻¹)	29.7	166	1.2	47.19	CMG023	B5/B14
	25.0	198	1.0	56.05		B5/B14
	21.9	226	0.9	64.01		B5/B14
	374	13	11.1	3.74		B5/B14
	311	16	9.2	4.50		B5/B14
	255	20	7.6	5.48		B5/B14
	222	23	7.9	6.31		B5/B14
	177	29	6.3	7.93		B5/B14
	154	33	5.5	9.08		B5/B14
	128	39	4.6	10.93		B5/B14
	111	45	5.5	12.60	CMG032	B5/B14
	105	48	5.2	13.30		B5/B14
	91.5	55	5.1	15.30		B5/B14
	76.9	66	4.3	18.21		B5/B14
	72.8	69	4.0	19.24		B5/B14
	66.2	76	3.7	21.15		B5/B14
	45.8	110	2.7	30.57		B5/B14
	31.7	159	1.9	44.18		B5/B14
	27.3	185	1.6	51.30		B5/B14
	23.0	219	1.4	60.80		B5/B14
	31.0	159	1.9	45.21	CMG033	B5/B14
	22.8	216	1.4	61.32		B5/B14
	19.2	257	1.2	72.83		B5/B14
	14.4	344	0.9	97.45		B5/B14
	23.0	219	2.2	60.80		B5/B14
	31.0	159	3.1	45.21		B5/B14
	22.8	216	2.3	61.32		B5/B14
	19.2	257	1.9	72.83		B5/B14
	14.4	344	1.5	97.45		B5/B14
	12.1	408	1.2	115.74		B5/B14
	9.9	497	1.0	140.81	CMG042	B5/B14
	9.9	497	1.0	140.81		B5/B14
	8.0	615	0.8	174.26		B5/B14
	25.0	198	4.6	56.05		B5/B14
	21.7	227	4.0	64.48		B5/B14
	18.7	264	3.4	74.96		B5/B14
	17.3	286	3.1	81.07		B5/B14
	17.3	286	3.1	81.07		B5/B14
	16.2	304	3.0	86.24		B5/B14
	12.9	382	2.4	108.43		B5/B14
	10.9	454	2.0	128.84	CMG043	B5/B14
	8.1	608	1.5	172.32		B5/B14
	7.5	657	1.4	186.17		B5/B14
	6.5	762	1.2	216.19		B5/B14
	5.6	878	1.0	248.99		B5/B14
	4.8	1020	0.9	289.15		B5/B14
	25.0	198	4.6	56.05		B5/B14
	21.7	227	4.0	64.48		B5/B14
	18.7	264	3.4	74.96		B5/B14
	17.3	286	3.1	81.07		B5/B14

0.55

80A4 (1400 min ⁻¹)	279	18	2.2	5.03	CMG002	B5/B14
	230	22	1.8	6.10		B5/B14
	187	27	1.5	7.49		B5/B14
	156	32	1.5	8.99		B5/B14
	138	37	1.4	10.16		B5/B14
	116	43	1.2	12.07		B5/B14
	105	48	1.5	13.40		B5/B14
	92.5	55	1.3	15.14		B5/B14
	77.1	65	1.1	18.17		B5/B14
	64.9	78	0.9	21.58		B5/B14
	59.6	85	0.8	23.51		B5/B14
	367	14	4.4	3.82	CMG012	B5/B14
	302	17	3.6	4.63		B5/B14
	246	20	2.9	5.69		B5/B14
	181	28	2.9	7.72		B5/B14
	153	33	2.4	9.17		B5/B14
	143	35	2.3	9.81		B5/B14
	122	41	2.4	11.50		B5/B14
	118	43	2.3	11.90		B5/B14
	101	50	2.4	13.80		B5/B14
	95.7	53	2.3	14.62		B5/B14
	78.4	64	1.9	17.86	CMG022	B5/B14
	73.4	69	1.7	19.07		B5/B14
	70.6	71	1.7	19.83		B5/B14
	59.4	85	1.4	23.56		B5/B14
	47.4	106	1.1	29.56		B5/B14
	39.5	128	0.9	35.47		B5/B14
	383	13	7.6	3.66		B5/B14
	316	16	6.3	4.43		B5/B14
	257	20	5.1	5.45		B5/B14
	189	27	4.5	7.39		B5/B14
	160	32	3.8	8.78	CMG022	B5/B14
	141	36	3.4	9.93		B5/B14
	127	40	5.0	11.01		B5/B14
	116	43	4.6	12.05		B5/B14
	106	48	4.2	13.21		B5/B14
	94.6	53	3.8	14.81		B5/B14
	81.9	62	2.6	17.10		B5/B14
	76.7	66	2.4	18.26		B5/B14
	69.7	72	2.8	20.08		B5/B14
	58.7	86	2.3	23.85		B5/B14
	46.8	108	1.9	29.93	CMG022	B5/B14
	39.0	129	1.5	35.91		B5/B14
	30.1	167	1.2	46.46		B5/B14
	28.2	179	1.1	49.61		B5/B14
	25.9	194	1.0	54.00		B5/B14

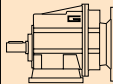
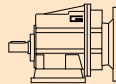
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HELICAL GEARBOXES**Dati tecnici****Technical data**

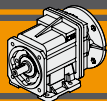
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.75							0.75						
80B4 (1400 min ⁻¹)	279	25	1.6	5.03	CMG002	B5/B14	80B4 (1400 min ⁻¹)	374	18	12.5	3.74	CMG042	B5/B14
	230	30	1.3	6.10		B5/B14		311	22	10.4	4.50		B5/B14
	187	37	1.1	7.49		B5/B14		255	27	8.5	5.48		B5/B14
	156	44	1.1	8.99		B5/B14		222	31	8.4	6.31		B5/B14
	138	50	1.0	10.16		B5/B14		177	39	6.7	7.93		B5/B14
	116	59	0.8	12.07		B5/B14		154	45	6.3	9.08		B5/B14
	105	66	1.1	13.40		B5/B14		128	54	5.2	10.93		B5/B14
	92.5	74	0.9	15.14		B5/B14		111	62	5.7	12.60		B5/B14
	77.1	89	0.8	18.17		B5/B14		105	65	5.4	13.30		B5/B14
								91.5	75	5.6	15.30		B5/B14
	367	19	3.2	3.82	CMG012			76.9	89	4.7	18.21		B5/B14
	302	23	2.6	4.63		B5/B14		72.8	94	4.4	19.24		B5/B14
	246	28	2.1	5.69		B5/B14		45.8	150	3.3	30.57		B5/B14
	181	38	2.1	7.72		B5/B14		31.7	217	2.3	44.18		B5/B14
	153	45	1.8	9.17		B5/B14		27.3	252	2.0	51.30		B5/B14
	143	48	1.7	9.81		B5/B14		23.0	299	1.6	60.80		B5/B14
	122	56	1.8	11.50		B5/B14							
	118	58	1.7	11.90		B5/B14		31.0	217	2.3	45.21	CMG043	B5/B14
	101	68	1.8	13.80		B5/B14		22.8	295	1.7	61.32		B5/B14
	95.7	72	1.7	14.62		B5/B14		19.2	350	1.4	72.83		B5/B14
	78.4	88	1.4	17.86		B5/B14		14.4	469	1.1	97.45		B5/B14
	73.4	94	1.3	19.07		B5/B14		12.1	557	0.9	115.74		B5/B14
	70.6	97	1.2	19.83		B5/B14							
	59.4	116	1.0	23.56		B5/B14		68.9	100	7.5	20.31	CMG052	B5
								58.3	118	7.6	24.02		B5
	383	18	5.6	3.66	CMG022	B5/B14		43.6	158	5.7	32.13		B5
	316	22	4.6	4.43		B5/B14		30.2	227	4.0	46.31		B5
	257	27	3.7	5.45		B5/B14		25.0	270	3.3	56.05		B5
	189	36	3.3	7.39		B5/B14		21.7	310	2.9	64.48		B5
	160	43	2.8	8.78		B5/B14		18.7	361	2.5	74.96		B5
	141	49	2.5	9.93		B5/B14		17.3	390	2.3	81.07		B5
	127	54	3.7	11.01		B5/B14		16.2	415	2.2	86.24		B5
	116	59	3.4	12.05		B5/B14		12.9	521	1.7	108.43		B5
	106	65	3.1	13.21		B5/B14		10.9	620	1.5	128.84		B5
	94.6	73	2.8	14.81		B5/B14		8.1	829	1.1	172.32		B5
	81.9	84	1.9	17.10		B5/B14		7.5	895	1.0	186.17		B5
	76.7	90	1.8	18.26		B5/B14		6.5	1040	0.9	216.19		B5
	69.7	99	2.0	20.08		B5/B14							
	58.7	117	1.7	23.85		B5/B14							
	46.8	147	1.4	29.93		B5/B14							
	39.0	176	1.1	35.91		B5/B14							
	30.1	228	0.9	46.46		B5/B14							
	28.2	244	0.8	49.61		B5/B14							
	25.9	265	0.8	54.00		B5/B14							
	374	18	8.2	3.74	CMG032	B5/B14							
	311	22	6.8	4.50		B5/B14							
	255	27	5.6	5.48		B5/B14							
	222	31	5.8	6.31		B5/B14							
	177	39	4.6	7.93		B5/B14							
	154	45	4.0	9.08		B5/B14							
	128	54	3.4	10.93		B5/B14							
	111	62	4.0	12.60		B5/B14							
	105	65	3.8	13.30		B5/B14							
	91.5	75	3.7	15.30		B5/B14							
	76.9	89	3.1	18.21		B5/B14							
	72.8	94	3.0	19.24		B5/B14							
	66.2	104	2.7	21.15		B5/B14							
	45.8	150	2.0	30.57		B5/B14							
	31.7	217	1.4	44.18		B5/B14							
	27.3	252	1.2	51.30		B5/B14							
	23.0	299	1.0	60.80		B5/B14							
	31.0	217	1.4	45.21	CMG033	B5/B14							
	22.8	295	1.0	61.32		B5/B14							
1.1							1.1						
	90S4 (1400 min ⁻¹)	367	28	2.2	3.82	CMG012	90S4 (1400 min ⁻¹)	302	33	1.8	4.63	CMG022	B5/B14
		246	41	1.5	5.69			181	56	1.4	7.72		B5/B14
		153	66	1.2	9.17			143	71	1.1	9.81		B5/B14
		118	86	1.2	11.90			101	99	1.2	13.80		B5/B14
		95.7	105	1.1	14.62			70.6	143	0.8	19.83		B5/B14
		383	26	3.8	3.66	CMG022		316	32	3.1	4.43	CMG022	B5/B14
		257	39	2.5	5.45			189	53	2.3	7.39		B5/B14
		160	63	1.9	8.78			141	72	1.7	9.93		B5/B14
		116	87	2.3	12.05			106	95	2.1	13.21		B5/B14
		94.6	107	1.9	14.81			69.7	145	1.4	20.08		B5/B14
		58.7	172	1.2	23.85			39.0	259	0.8	35.91		B5/B14

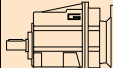
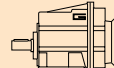


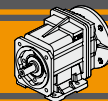
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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i						
1.1							1.5										
90S4 (1400 min ⁻¹)	374	27	5.6	3.74	CMG032	B5/B14	90L4 (1400 min ⁻¹)	367	38	1.6	3.82	CMG012	B5/B14				
	311	32	4.6	4.50		B5/B14		302	45	1.3	4.63		B5/B14				
	255	39	3.8	5.48		B5/B14		246	56	1.1	5.69		B5/B14				
	222	45	4.0	6.31		B5/B14		181	76	1.1	7.72		B5/B14				
	177	57	3.2	7.93		B5/B14		153	90	0.9	9.17		B5/B14				
	154	65	2.8	9.08		B5/B14		CMG022	383	36	2.8	3.66	B5/B14				
	128	79	2.3	10.93		B5/B14			316	44	2.3	4.43	B5/B14				
	111	91	2.8	12.60		B5/B14			257	54	1.9	5.45	B5/B14				
	105	96	2.6	13.30		B5/B14			189	73	1.7	7.39	B5/B14				
	91.5	110	2.5	15.30		B5/B14			160	86	1.4	8.78	B5/B14				
	76.9	131	2.1	18.21		B5/B14			141	98	1.2	9.93	B5/B14				
	72.8	139	2.0	19.24		B5/B14			116	118	1.7	12.05	B5/B14				
	66.2	152	1.8	21.15		B5/B14			106	130	1.5	13.21	B5/B14				
	45.8	220	1.4	30.57		B5/B14			94.6	145	1.4	14.81	B5/B14				
	31.7	318	0.9	44.18		B5/B14			69.7	197	1.0	20.08	B5/B14				
	31.0	319	0.9	45.21	CMG033	B5/B14		58.7	234	0.9	23.85	B5/B14					
													CMG032	B5/B14			
														B5/B14			
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														B5/B14			
														B5/B14			
														B5/B14			
														B5/B14			
	374	27	8.5	3.74	CMG042	B5/B14		374	37	4.1	3.74	CMG032		B5/B14			
	311	32	7.1	4.50		B5/B14		311	44	3.4	4.50		B5/B14				
	255	39	5.8	5.48		B5/B14		255	54	2.8	5.48		B5/B14				
	222	45	5.7	6.31		B5/B14		222	62	2.9	6.31		B5/B14				
	177	57	4.6	7.93		B5/B14		177	78	2.3	7.93		B5/B14				
	154	65	4.3	9.08		B5/B14		154	89	2.0	9.08		B5/B14				
	128	79	3.6	10.93		B5/B14		128	107	1.7	10.93		B5/B14				
	111	91	3.9	12.60		B5/B14		111	124	2.0	12.60		B5/B14				
	105	96	3.7	13.30		B5/B14		105	131	1.9	13.30		B5/B14				
	91.5	110	3.8	15.30		B5/B14		91.5	150	1.9	15.30		B5/B14				
	76.9	131	3.2	18.21		B5/B14		76.9	179	1.6	18.21		B5/B14				
	72.8	139	3.0	19.24		B5/B14		72.8	189	1.5	19.24		B5/B14				
	45.8	220	2.3	30.57		B5/B14		66.2	208	1.3	21.15		B5/B14				
	31.7	318	1.6	44.18		B5/B14		45.8	300	1.0	30.57		B5/B14				
27.3	370	1.4	51.30	CMG043	B5/B14	374	37	6.3	3.74	CMG042	B5/B14						
23.0	438	1.1	60.80		B5/B14						311	44	5.2	4.50	B5/B14		
31.0	319	1.6	45.21		CMG043						B5/B14	222	62	4.2	6.31	B5/B14	
																	B5/B14
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																	B5/B14
371	27	15.1	3.78	CMG052	B5/B14	311	44	5.2	4.50	CMG042	B5/B14						
292	35	11.9	4.80		B5/B14	255	54	4.3	5.48		B5/B14						
241	42	9.8	5.82		B5/B14	222	62	4.2	6.31		B5/B14						
210	48	9.8	6.68		B5/B14	177	78	3.3	7.93		B5/B14						
167	60	7.8	8.37		B5/B14	154	89	3.1	9.08		B5/B14						
153	66	7.7	9.16		B5/B14	128	107	2.6	10.93		B5/B14						
141	71	7.1	9.90		B5/B14	111	124	2.8	12.60		B5/B14						
120	84	7.5	11.64		B5/B14	105	131	2.7	13.30		B5/B14						
106	95	6.6	13.25		B5/B14	91.5	150	2.8	15.30		B5/B14						
99.2	102	7.4	14.11		B5/B14	76.9	179	2.3	18.21		B5/B14						
86.4	117	6.4	16.20		B5/B14	72.8	189	2.2	19.24		B5/B14						
68.9	146	5.1	20.31		B5/B14	45.8	300	1.7	30.57		B5/B14						
58.3	173	5.2	24.02		B5/B14	31.7	434	1.2	44.18		B5/B14						
43.6	231	3.9	32.13		B5/B14	27.3	504	1.0	51.30		B5/B14						
30.2	334	2.7	46.31	CMG053	B5/B14	31.0	435	1.1	45.21	CMG043	B5/B14						
25.0	395	2.3	56.05		CMG053						B5/B14	22.8	590	0.8	61.32	B5/B14	
																	B5/B14
																	B5/B14
																	B5/B14
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																	B5/B14
21.7	455	2.0	64.48	CMG053	B5/B14	371	37	11.1	3.78	CMG052	B5/B14						
18.7	529	1.7	74.96		B5/B14						292	47	8.7	4.80	B5/B14		
17.3	572	1.6	81.07		B5/B14						241	57	7.2	5.82	B5/B14		
16.2	608	1.5	86.24		B5/B14						210	66	7.2	6.68	B5/B14		
12.9	765	1.2	108.43		B5/B14						167	82	5.7	8.37	B5/B14		
10.9	909	1.0	128.84		B5/B14						153	90	5.7	9.16	B5/B14		
25.0	395	2.3	56.05		CMG053						B5/B14	141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
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																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199	3.8	20.31	B5/B14		
10.9	909	1.0	128.84	B5/B14		58.3						236	3.8	24.02	B5/B14		
25.0	395	2.3	56.05	CMG053		B5/B14						141	97	5.2	9.90	B5/B14	
																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
																	B5/B14
	21.7	455	2.0	64.48	CMG053	B5/B14	120	114	5.5	11.64	B5/B14						
18.7	529	1.7	74.96	B5/B14		106						130	4.8	13.25	B5/B14		
17.3	572	1.6	81.07	B5/B14		99.2						139	5.4	14.11	B5/B14		
16.2	608	1.5	86.24	B5/B14		86.4						159	4.7	16.20	B5/B14		
12.9	765	1.2	108.43	B5/B14		68.9						199					

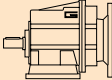
**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici****Technical data**

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							1.85						
90L4 (1400 min ⁻¹)	25.0	539	1.7	56.05	CMG053	B5/B14	90LB4 (1400 min ⁻¹)	371	46	9.0	3.78	CMG052	B5/B14
	21.7	620	1.5	64.48		B5/B14		292	58	7.1	4.80		B5/B14
	18.7	721	1.2	74.96		B5/B14		241	70	5.8	5.82		B5/B14
	17.3	780	1.2	81.07		B5/B14		210	81	5.8	6.68		B5/B14
	16.2	829	1.1	86.24		B5/B14		167	101	4.6	8.37		B5/B14
	12.9	1043	0.9	108.43		B5/B14		153	111	4.6	9.16		B5/B14
1.85							2.2						
90LB4 (1400 min ⁻¹)	367	46	1.3	3.82	CMG012	B5/B14	100LA4 (1400 min ⁻¹)	374	54	2.8	3.74	CMG032	B5/B14
	302	56	1.1	4.63		B5/B14		311	65	2.3	4.50		B5/B14
	383	44	2.3	3.66	CMG022	B5/B14		255	79	1.9	5.48		B5/B14
	316	54	1.9	4.43		B5/B14		222	91	2.0	6.31		B5/B14
	257	66	1.5	5.45		B5/B14		177	114	1.6	7.93		B5/B14
	189	90	1.3	7.39		B5/B14		154	131	1.4	9.08		B5/B14
	160	106	1.1	8.78		B5/B14		128	157	1.1	10.93		B5/B14
	141	120	1.0	9.93		B5/B14		111	182	1.4	12.60		B5/B14
	116	146	1.4	12.05		B5/B14		105	192	1.3	13.30		B5/B14
	106	160	1.2	13.21		B5/B14		91.5	220	1.3	15.30		B5/B14
	94.6	179	1.1	14.81		B5/B14		76.9	262	1.1	18.21		B5/B14
								72.8	277	1.0	19.24		B5/B14
								66.2	305	0.9	21.15		B5/B14
	374	45	3.3	3.74	CMG032	B5/B14		374	54	4.3	3.74	CMG042	B5/B14
	311	55	2.7	4.50		B5/B14		311	65	3.5	4.50		B5/B14
	255	66	2.3	5.48		B5/B14		255	79	2.9	5.48		B5/B14
	222	76	2.4	6.31		B5/B14		222	91	2.9	6.31		B5/B14
	177	96	1.9	7.93		B5/B14		177	114	2.3	7.93		B5/B14
	154	110	1.6	9.08		B5/B14		154	131	2.1	9.08		B5/B14
	128	132	1.4	10.93		B5/B14		128	157	1.8	10.93		B5/B14
	111	153	1.6	12.60		B5/B14		111	182	1.9	12.60		B5/B14
	105	161	1.6	13.30		B5/B14		105	192	1.8	13.30		B5/B14
91.5	185	1.5	15.30	B5/B14		91.5	220	1.9	15.30	B5/B14			
76.9	221	1.3	18.21	B5/B14		76.9	262	1.6	18.21	B5/B14			
72.8	233	1.2	19.24	B5/B14		72.8	277	1.5	19.24	B5/B14			
66.2	256	1.1	21.15	B5/B14		66.2	305	1.1	21.15	B5/B14			
45.8	370	0.8	30.57	B5/B14									
374	45	5.1	3.74	CMG042	B5/B14	374	54	4.3	3.74	CMG042	B5/B14		
311	55	4.2	4.50		B5/B14	311	65	3.5	4.50		B5/B14		
255	66	3.5	5.48		B5/B14	255	79	2.9	5.48		B5/B14		
222	76	3.4	6.31		B5/B14	222	91	2.9	6.31		B5/B14		
177	96	2.7	7.93		B5/B14	177	114	2.3	7.93		B5/B14		
154	110	2.5	9.08		B5/B14	154	131	2.1	9.08		B5/B14		
128	132	2.1	10.93		B5/B14	128	157	1.8	10.93		B5/B14		
111	153	2.3	12.60		B5/B14	111	182	1.9	12.60		B5/B14		
105	161	2.2	13.30		B5/B14	105	192	1.8	13.30		B5/B14		
91.5	185	2.3	15.30		B5/B14	91.5	220	1.9	15.30		B5/B14		
76.9	221	1.9	18.21		B5/B14	76.9	262	1.6	18.21		B5/B14		
72.8	233	1.8	19.24		B5/B14	72.8	277	1.5	19.24		B5/B14		
45.8	370	1.3	30.57		B5/B14	45.8	440	1.1	30.57		B5/B14		
31.7	535	0.9	44.18		B5/B14								
27.3	621	0.8	51.30		B5/B14								
	31.0	536	0.9	45.21	CMG043	B5/B14							

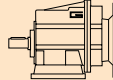


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Technical data

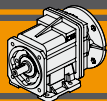
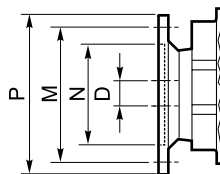
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
2.2						
100LA4 (1400 min ⁻¹)	371	54	7.5	3.78	CMG052	B5/B14
	292	69	5.9	4.80		B5/B14
	241	84	4.9	5.82		B5/B14
	210	96	4.9	6.68		B5/B14
	167	121	3.9	8.37		B5/B14
	153	132	3.9	9.16		B5/B14
	141	143	3.6	9.90		B5/B14
	120	168	3.8	11.64		B5/B14
	106	191	3.3	13.25		B5/B14
	99.2	203	3.7	14.11		B5/B14
	86.4	233	3.2	16.20		B5/B14
	68.9	293	2.6	20.31		B5/B14
	58.3	346	2.6	24.02		B5/B14
	43.6	463	1.9	32.13		B5/B14
	30.2	667	1.3	46.31		B5/B14
	25.0	791	1.1	56.05	CMG053	B5/B14
	21.7	910	1.0	64.48		B5/B14
	18.7	1057	0.9	74.96		B5/B14

3						
100LB4 (1400 min ⁻¹)	374	74	2.0	3.74	CMG032	B5/B14
	311	88	1.7	4.50		B5/B14
	255	108	1.4	5.48		B5/B14
	222	124	1.5	6.31		B5/B14
	177	156	1.2	7.93		B5/B14
	154	178	1.0	9.08		B5/B14
	128	215	0.8	10.93		B5/B14
	111	248	1.0	12.60		B5/B14
	105	261	1.0	13.30		B5/B14
	91.5	301	0.9	15.30		B5/B14
	374	74	3.1	3.74	CMG042	B5/B14
	311	88	2.6	4.50		B5/B14
	255	108	2.1	5.48		B5/B14
	222	124	2.1	6.31		B5/B14
	177	156	1.7	7.93		B5/B14
	154	178	1.6	9.08		B5/B14
	128	215	1.3	10.93		B5/B14
	111	248	1.4	12.60		B5/B14
	105	261	1.3	13.30		B5/B14
	91.5	301	1.4	15.30		B5/B14
	76.9	358	1.2	18.21	CMG052	B5/B14
	72.8	378	1.1	19.24		B5/B14
	45.8	601	0.8	30.57		B5/B14
	371	74	5.5	3.78	CMG052	B5/B14
	292	94	4.3	4.80		B5/B14
	241	114	3.6	5.82		B5/B14
	210	131	3.6	6.68		B5/B14
	167	164	2.9	8.37		B5/B14
	153	180	2.8	9.16		B5/B14
	141	195	2.6	9.90		B5/B14
	120	229	2.8	11.64		B5/B14
	106	260	2.4	13.25		B5/B14
	99.2	277	2.7	14.11		B5/B14
	86.4	318	2.4	16.20		B5/B14
	68.9	399	1.9	20.31		B5/B14
	58.3	472	1.9	24.02		B5/B14
	43.6	631	1.4	32.13	CMG053	B5/B14
	30.2	910	1.0	46.31		B5/B14
	25.0	1078	0.8	56.05		B5/B14

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
4						
112M4 (1400 min ⁻¹)	374	98	1.5	3.74	CMG032	B5/B14
	311	118	1.3	4.50		B5/B14
	255	144	1.0	5.48		B5/B14
	222	165	1.1	6.31		B5/B14
	177	208	0.9	7.93		B5/B14
	374	98	2.3	3.74	CMG042	B5/B14
	311	118	1.9	4.50		B5/B14
	255	144	1.6	5.48		B5/B14
	222	165	1.6	6.31		B5/B14
	177	208	1.3	7.93		B5/B14
	154	238	1.2	9.08		B5/B14
	128	286	1.0	10.93		B5/B14
	111	330	1.1	12.60	CMG052	B5/B14
	105	348	1.0	13.30		B5/B14
	91.5	401	1.0	15.30		B5/B14
	76.9	477	0.9	18.21		B5/B14
	72.8	504	0.8	19.24		B5/B14
	371	99	4.1	3.78	CMG052	B5/B14
	292	126	3.3	4.80		B5/B14
	241	152	2.7	5.82		B5/B14
	210	175	2.7	6.68		B5/B14
	167	219	2.1	8.37		B5/B14
	153	240	2.1	9.16		B5/B14
	141	259	2.0	9.90		B5/B14
	120	305	2.1	11.64		B5/B14
	106	347	1.8	13.25		B5/B14
	99.2	370	2.0	14.11		B5/B14
	86.4	424	1.8	16.20		B5/B14
	68.9	532	1.4	20.31		B5/B14
	58.3	629	1.4	24.02		B5/B14
	43.6	842	1.1	32.13		B5/B14

5.5						
132S4 (1400 min ⁻¹)	371	136	3.0	3.78	CMG052	B5
	292	173	2.4	4.80		B5
	241	210	2.0	5.82		B5
	210	241	2.0	6.68		B5
	167	302	1.6	8.37		B5
	153	330	1.5	9.16		B5
	141	357	1.4	9.90		B5
	120	419	1.5	11.64		B5
	106	477	1.3	13.25		B5
	99.2	508	1.5	14.11		B5
	86.4	583	1.3	16.20		B5
	68.9	731	1.0	20.31		B5
	58.3	865	1.0	24.02		B5

7.5						
132MA4 (1400 min ⁻¹)	371	185	2.2	3.78	CMG052	B5
	292	236	1.7	4.80		B5
	241	286	1.4	5.82		B5
	210	328	1.4	6.68		B5
	167	411	1.1	8.37		B5
	153	450	1.1	9.16		B5
	141	486	1.0	9.90		B5
	120	572	1.1	11.64		B5
	106	651	1.0	13.25		B5
	99.2	693	1.1	14.11		B5
	86.4	796	0.9	16.20		B5

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Motori applicabili****IEC Motor adapters**

	IEC	N	M	P	D	i (rapporto / ratio)																						
						5.03	6.1	7.49	8.99	10.16	12.07	13.4	15.14	18.17	21.58	23.51	25.1	27.08	32.49	42.04	44.89	48.86						
CMG002	80B5	130	165	200	19																							
	80B14	80	100	120																								
	71B5	110	130	160	14																							
	71B14	70	85	105																								
	63B5	95	115	140	11	B																						
	63B14	60	75	90																								
	56B5	80	100	120	9	BS																						
	56B14	50	65	80																								
						3.82	4.63	5.69	7.72	9.17	9.81	11.50	11.90	13.80	14.62	17.86	19.07	19.83	23.56	29.56	35.47	45.89	49.00	53.33				
CMG012	90 B5	130	165	200	24																							
	90 B14	95	115	140																								
	80 B5	130	165	200	19																							
	80 B14	80	100	120																								
	71 B5	110	130	160	14	B																						
	71 B14	70	85	105																								
	63 B5	95	115	140	11	BS																						
						46.61	55.36		63.22		75.08		89.17		113.05		134.27		173.72		202.16		261.57		304.00		393.33	
CMG013	90 B5	130	165	200	24																							
	90 B14	95	115	140																								
	80 B5	130	165	200	19																							
	80 B14	80	100	120																								
	71 B5	110	130	160	14	B																						
	71 B14	70	85	105																								
	63 B5	95	115	140	11	BS																						
						3.66	4.43	5.45	7.39	8.78	9.93	11.01	12.05	13.21	14.81	17.10	18.26	20.08	23.85	29.93	35.91	46.46	49.61	54.00				
CMG022	90 B5	130	165	200	24																							
	90 B14	95	115	140																								
	80 B5	130	165	200	19																							
	80 B14	80	100	120																								
	71 B5	110	130	160	14	B																						
	71 B14	70	85	105																								
	63 B5	95	115	140	11	BS																						
						47.19	56.05		64.01		76.02		90.29		114.46		135.95		175.89		204.69		264.84		307.80		398.25	
CMG023	90 B5	130	165	200	24																							
	90 B14	95	115	140																								
	80 B5	130	165	200	19																							
	80 B14	80	100	120																								
	71 B5	110	130	160	14	B																						
	71 B14	70	85	105																								
	63 B5	95	115	140	11	BS																						

N.B.

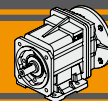
Le aree evidenziate in indicano l'applicabilità della corrispondente grandezza motore.

B/BS = Boccia di riduzione in acciaio.

N.B.

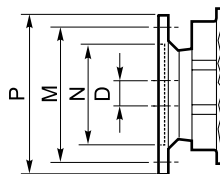
Highlighted areas indicate motor inputs available on each size of unit.

B/BS = Metal shaft sleeve.



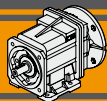
Motori applicabili

IEC Motor adapters



CMG

		IEC	N	M	P	D	i (rapporto / ratio)																
							3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	30.57	44.18	51.30	60.80
CMG032	100/112B5	180	215	250	28																		
	100/112B14	110	130	160																			
	90 B5	130	165	200	24																		
	90 B14	95	115	140																			
	80 B5	130	165	200	19	B																	
	80 B14	80	100	120																			
	71 B5	110	130	160	14	BS																	
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	30.57	44.18	51.30	60.80		
CMG042	100/112B5	180	215	250	28																		
	100/112B14	110	130	160																			
	90 B5	130	165	200	24																		
	90 B14	95	115	140																			
	80 B5	130	165	200	19	B																	
	80 B14	80	100	120																			
	71 B5	110	130	160	14	BS																	
						45.21	61.32	72.83	97.45	115.74	140.81	174.26	225.47	262.05	325.79	378.64							
CMG033 CMG043	90 B5	130	165	200	24																		
	90 B14	95	115	140																			
	80 B5	130	165	200	19																		
	80 B14	80	100	120																			
	71 B5	110	130	160	14	B																	
	71 B14	70	85	105																			
	63 B5	95	115	140	11	BS																	
						3.78	4.80	5.82	6.68	8.37	9.16	9.90	11.64	13.25	14.11	16.20	20.31	24.02	32.13	46.31			
CMG052	132 B5	230	265	300	38																		
	100/112B5	180	215	250	28																		
	100/112B14	110	130	160																			
	90 B5	130	165	200	24	B																	
	90 B14	95	115	140																			
	80 B5	130	165	200	19	BS																	
						56.05	64.48	74.96	81.07	86.24	108.43	128.84	172.32	186.17	216.19	248.99	289.15						
CMG053	100/112B5	180	215	250	28																		
	100/112B14	110	130	160																			
	90 B5	130	165	200	24																		
	90 B14	95	115	140																			
	80 B5	130	165	200	19	B																	
	80 B14	80	100	120																			
	71 B5	110	130	160	14	BS																	



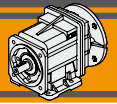
Dimensioni

Dimensions

CMG CMGIS	A	B	I	j	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					Peso / Weight [kg]	
							D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	44	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	45	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43		268	260											7.8	7.5
022	124	98	11.5	45	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48		278	270											8.7	8.4
032	156	118	5	70	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5		303	295	16		5		18						13.6	13.3
042	156	128	15	70	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5		316	308	16		5		18						15.5	15.2
052	190	157	20	88	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68		380	373	19				21.5						42.0	42.3

¹⁾ IEC 63/71, ²⁾ IEC 80

Versione U / U Version						
CMG CMGIS	H	K	L	M	N f7	O
002	2.5	11	78	64	50	n°5 M6x14
012 013	8.5	13.5	95	76	60	n°4 M8x15
022 023	8.5	13.5	95	76	60	n°4 M8x15
032 033	9	15	127	110	90	n°6 M8x19
042 043	9	15	127	110	90	n°6 M8x19
052 053	10	16	160	135	110	n°6 M10x22

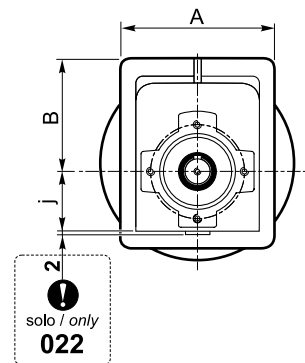
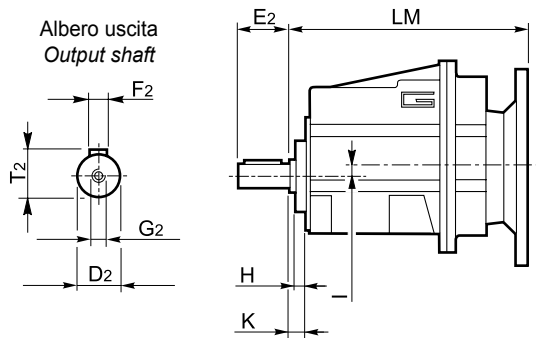


Dimensioni

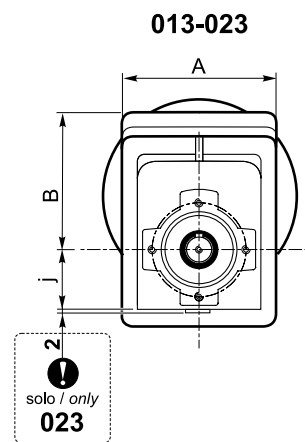
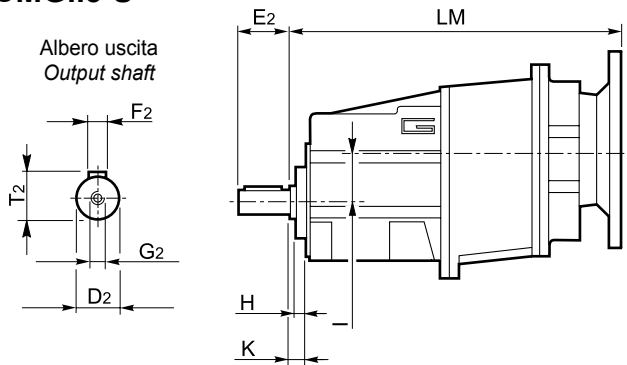
Dimensions

CMG..U

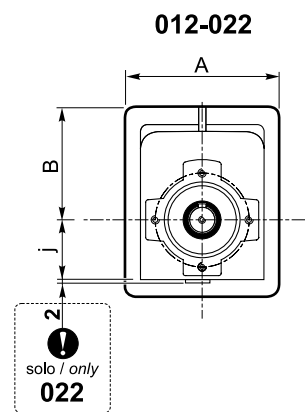
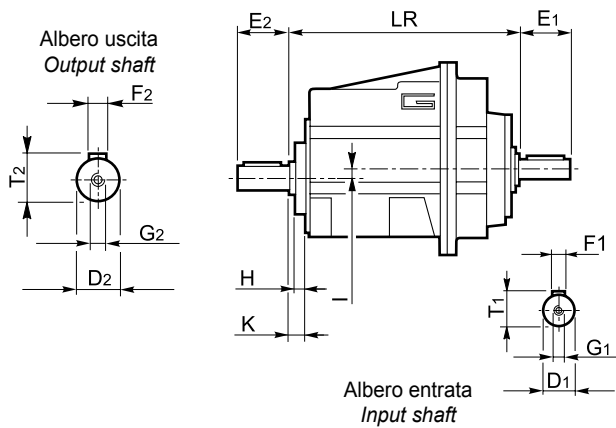
CMG..2 U



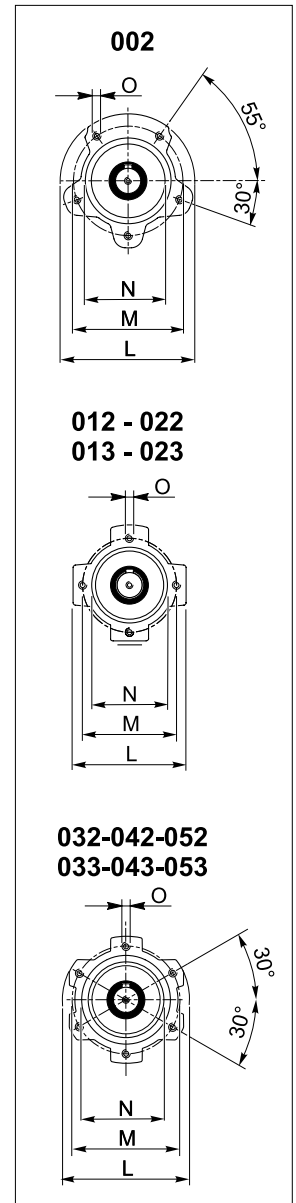
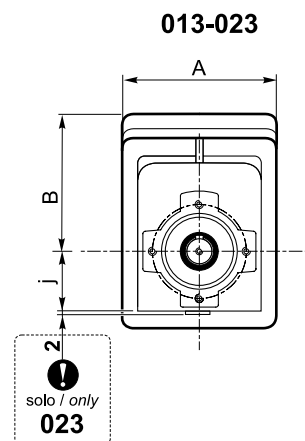
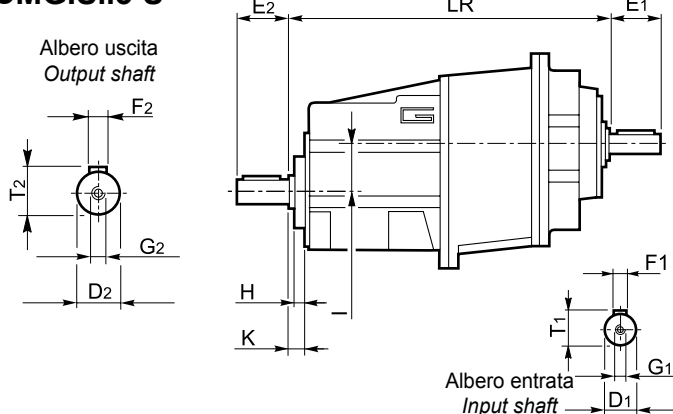
CMG..3 U

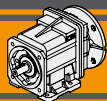


CMGIS..2 U



CMGIS..3 U



**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dimensioni****Dimensions**

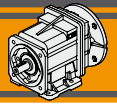
CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					*Peso / Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43	268	260											7.8	7.5
022	124	98	11.5	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48	278	270											8.7	8.4
032	156	118	5	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5	303	295	16		5		18						13.6	13.3
042	156	128	15	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5	316	308	16		5		18						15.5	15.2
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19										42.0	42.3

1) IEC 63/71, 2) IEC 80

* Versione U / U Version

Versione H / H Version										
CMG CMGIS	P	Q	R	S	U	V	X	Z	Piede / Foot	
									Tipo / Type	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
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
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
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
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
	052 053	35	145	200	18	200	22	120	239	H120
35		205	244	18	170	22	140	219	H140	4.3
25		110	199	18	225	22	155	264	H155	5.1
		156								

Preferenziale / Preferred

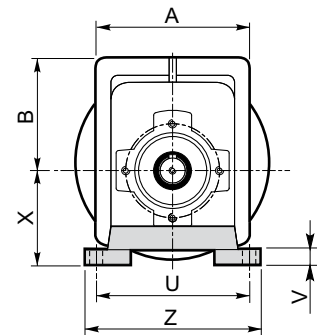
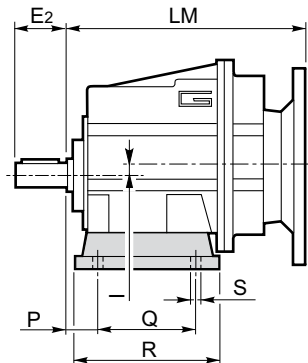
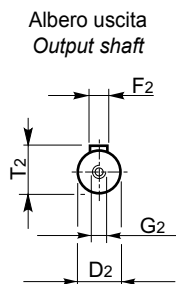


Dimensioni

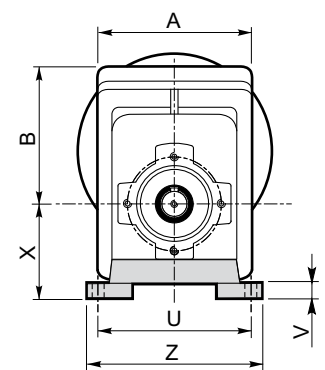
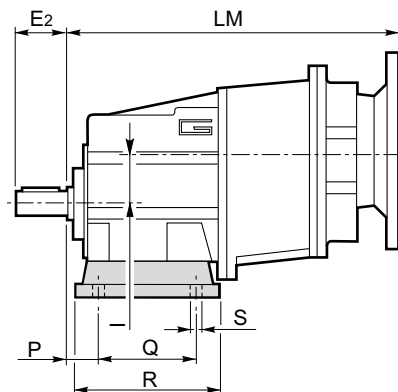
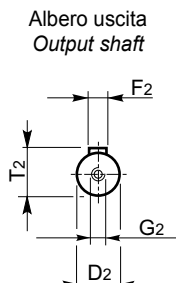
Dimensions

CMG..H

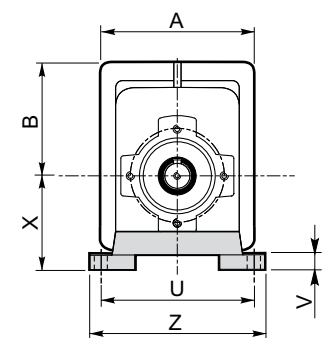
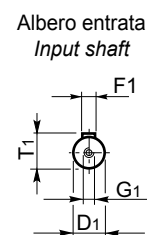
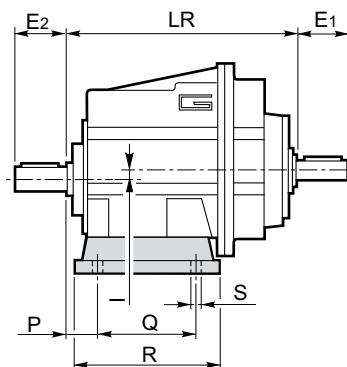
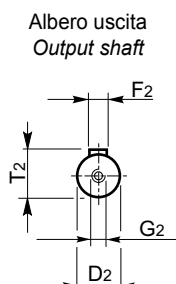
CMG..2 H..



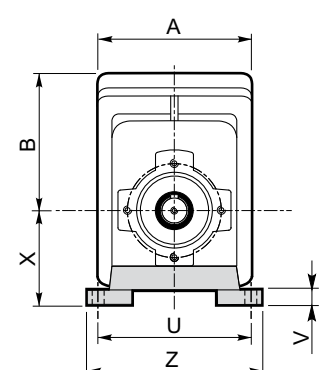
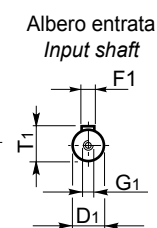
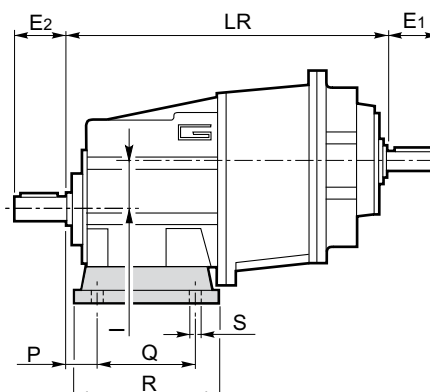
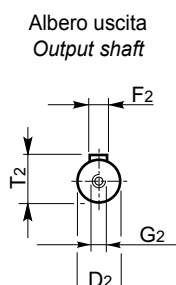
CMG..3 H..

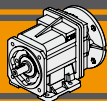


CMGIS..2 H..



CMGIS..3 H..



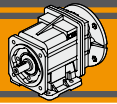

CMG
RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES
Dimensioni
Dimensions

CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					*Peso / Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43	268	260											7.8	7.5
022	124	98	11.5	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48	278	270											8.7	8.4
032	156	118	5	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5	303	295	16		5		18						13.6	13.3
042	156	128	15	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5	316	308	16		5		18						15.5	15.2
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19										42.0	42.3

¹⁾ IEC 63/71, ²⁾ IEC 80

* Versione **U** / **U** Version

Versione F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	Flangia / Flange	
								Tipo / Type	Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	7	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2
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
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
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
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
052 053	4	13	250	215	180	14	215	F250	2.9
	4	13	300	265	230	14	265	F300	4.4

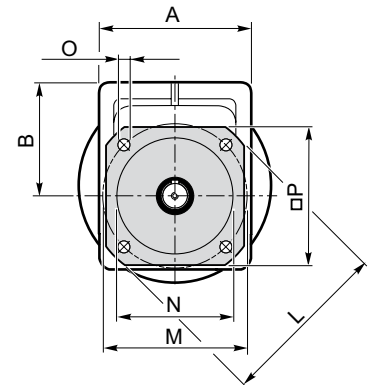
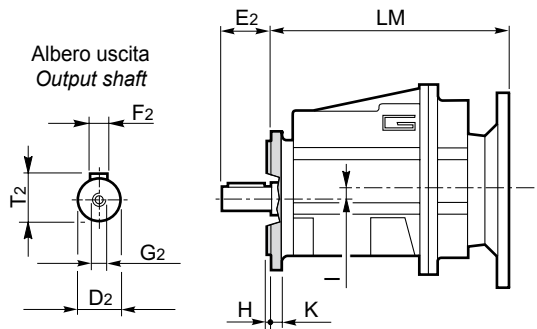


Dimensioni

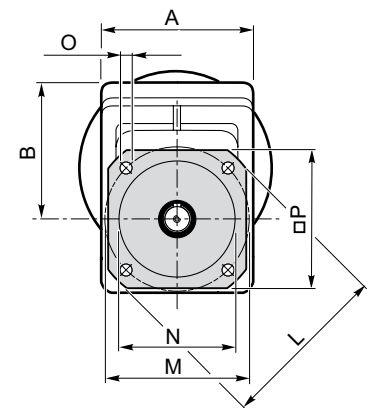
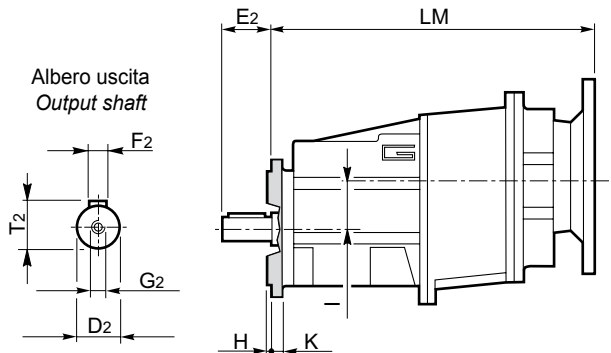
Dimensions

CMG..F

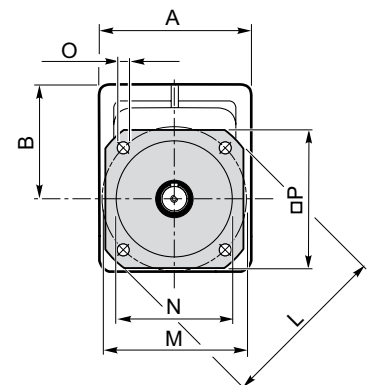
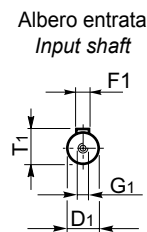
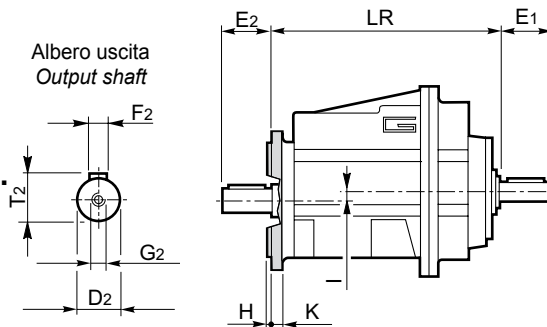
CMG..2 F..



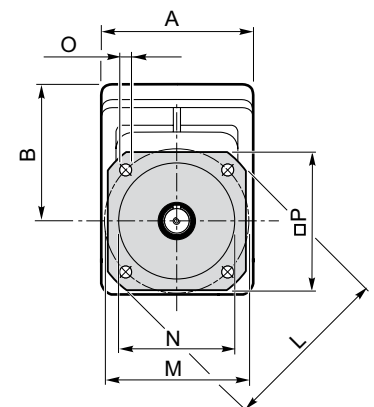
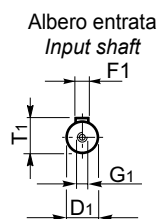
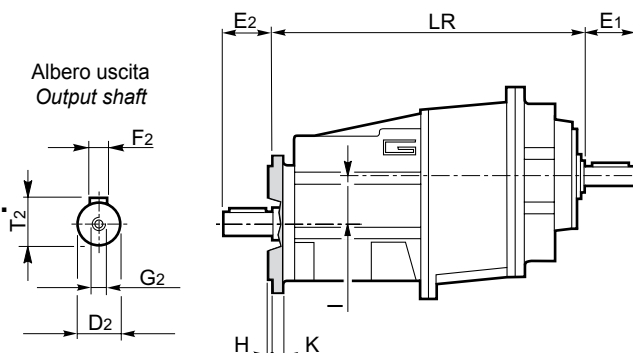
CMG..3 F..

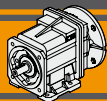


CMGIS..2 F..



CMGIS..3 F..



**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dimensioni****Dimensions**

CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					*Peso / Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012 013	124	93 112	6.5 43	195 268	187 260	16	40	5	M6	18	20	40	6	M6	22.5	5.3 7.8	5.0 7.5
022 023	124	98 117	11.5 48	205 278	197 270	16	40	5	M6	18	25	50	8	M8	28	6.2 8.7	5.9 8.4
032 033	156	118	5 41.5	237 303	229.5 295	19 16	40	6 5	M6	21.5 18	30	60	8	M10	33	11.3 13.6	11.2 13.3
042 043	156	128	15 51.5	250 316	242.5 308	19 16	40	6 5	M6	21.5 18	35	70	10	M12	38	13.2 15.5	13.1 15.2
052 053	190	157	20 68	307.5 380	286.5 373	28 19	60 40	8 6	M10 M6	31 21.5	40	80	12	M16	43	37.5 42.0	37.8 42.3

1) IEC 63/71, 2) IEC 80

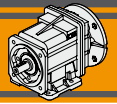
* Versione U / U Version

Versione H / H Version										Combinazioni possibili H/F Possible combinations H/F							
CMG CMGIS	P	Q	R	S	U	V	X	Z	Piede / Foot		F105	F120	F140	F160	F200	F250	F300
									Tipo Type	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	•	•	•				
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		•	•	•	•		
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		•	•	•	•		
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		160												
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
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		160												
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
052 053	35	145	199	18	200	22	120	239	H120	3.5						•	
	35	205	244	18	170	22	140	219	H140	4.3						•	•
	25	110	199	18	225	22	155	264	H155	5.1						•	•
	156																

Preferenziale / Preferred

• Combinazioni possibili H/F / Possible combinations H/F

Versione F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	Flangia / Flange	
								Tipo / Type	Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	7	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2
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
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
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	150	14	215	F250	2.9
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	150	14	215	F250	2.9
052 053	4	13	250	215	150	14	215	F250	2.9
	4	13	300	265	230	14	265	F300	4.4

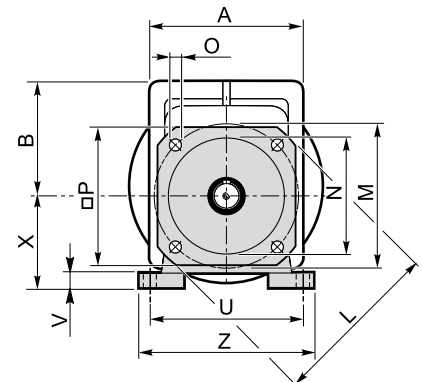
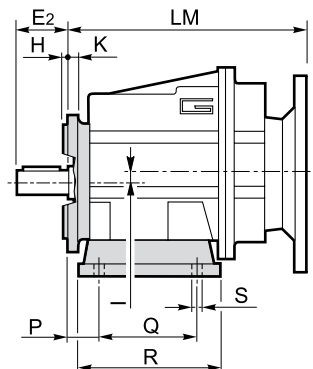
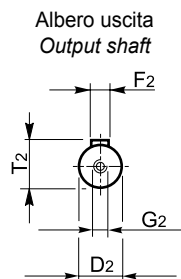


Dimensioni

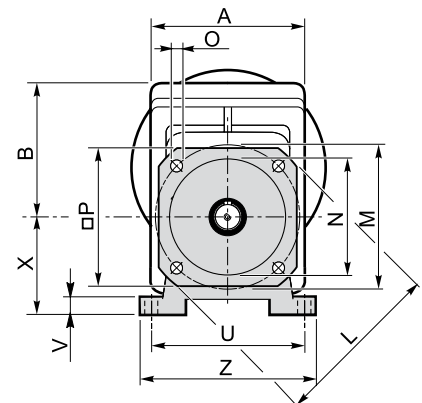
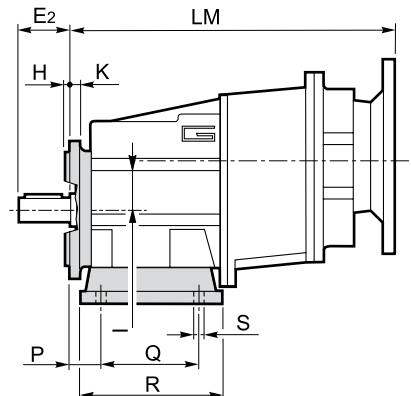
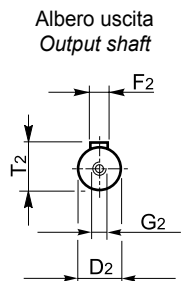
Dimensions

CMG..H../F..

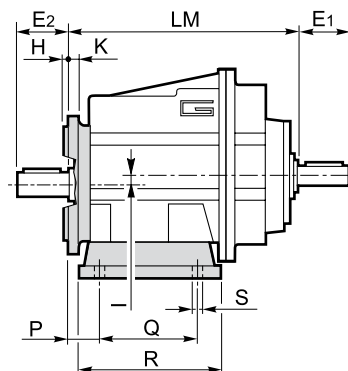
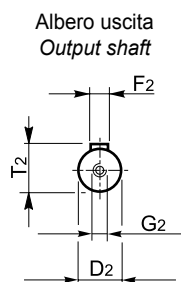
CMG..2 H../F..



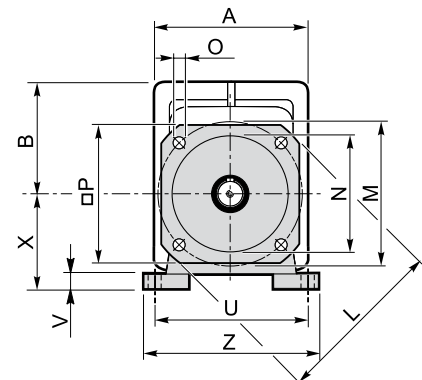
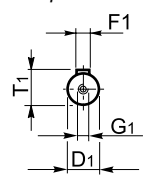
CMG..3 H../F..



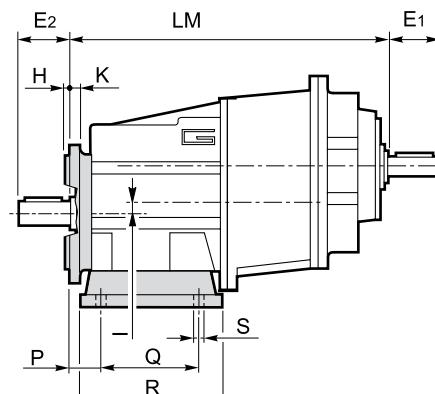
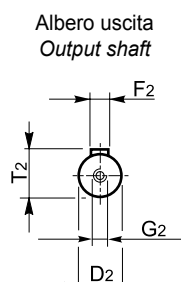
CMGIS..2 H../F..



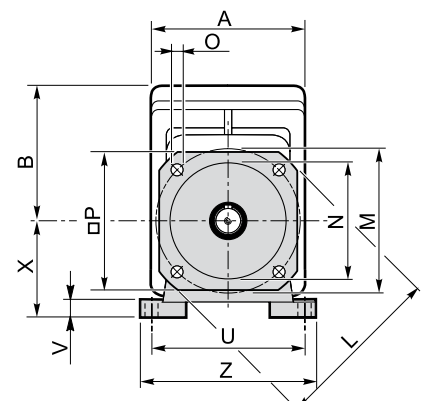
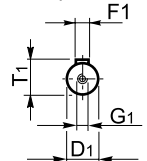
Albero entrata
Input shaft



CMGIS..3 H../F..



Albero entrata
Input shaft



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