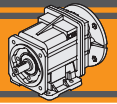


RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

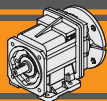




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Designazione	<i>Designation</i>	B2
Lubrificazione	<i>Lubrication</i>	B3
Carichi radiali	<i>Radial loads</i>	B3
Simbologia	<i>Symbols</i>	B3
Dati tecnici	<i>Technical data</i>	B4
Motori applicabili	<i>IEC Motor adapters</i>	B12
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**CMG****RIDUTTORI 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:

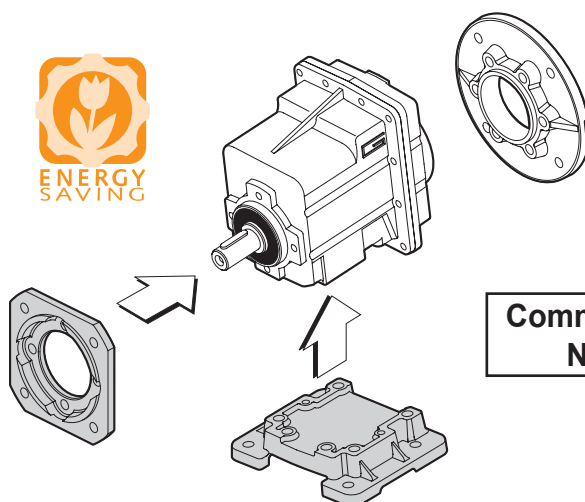
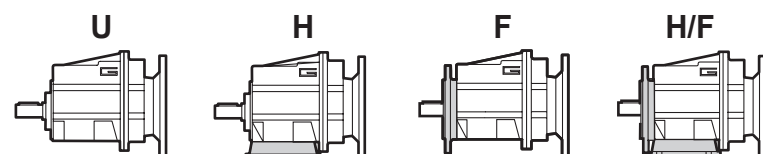
- Carcassa e flangia PAM in pressofusione di alluminio per le taglie 00, 01, 02, 03 e 04. La taglia 05 è costruita in ghisa;
- Piedi e flange d'uscita in ghisa;
- Ingranaggi sempre rettificati;
- Lubrificazione permanente con olio sintetico.

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.

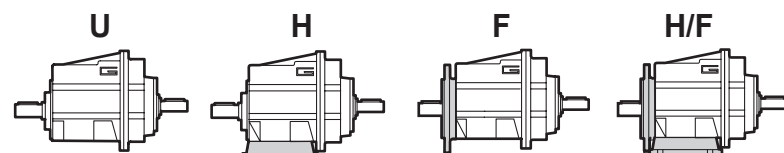
The main features of CMG range are:

- 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.

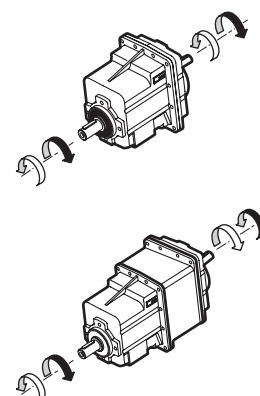

Community Design
N. 1004428
Designazione**Designation**

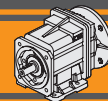
RIDUTTORE / GEARBOX							
CMG	01	2	H65	9.81	71	B14	B3
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	IEC 	Forma costruttiva Version	Pos. di montaggio Mounting position
CMG	00 01 02 03 04 05	2 3	U... H... F... H.../F...	vedi tabelle see tables	63... — 112...	B5 B14	B3-B5 B8 B6 B7 V5-V1 V6-V3

MOTORE / MOTOR				
0.75kW	4p	3ph	50Hz	T1
Potenza Power	Poli Poles	Fasi Phases	Frequenza Frequency	Pos. morsetti Terminal box pos.
vedi tabelle see tables	2p 4p 6p 8p	1ph 3ph	50Hz 60Hz	T1 (std)



RIDUTTORE / GEARBOX					
CMGIS	01	2	U	9.81	B3
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Pos. di montaggio Mounting position
CMGIS	01 02 03 04 05	2 3	U... H... F... H.../F...	vedi tabelle see tables	B3-B5 B8 B6 B7 V5-V1 V6-V3

Sensi di rotazione**Direction of rotation**
CMG...2
CMGIS..2
CMG...3
CMGIS..3




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.

N.B.

Le quantità di lubrificante sono indipendenti dalla posizione di montaggio per le taglie da 00 a 04.

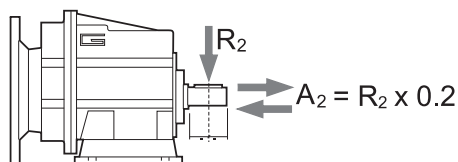
The oil quantity does not depend on mounting position for sizes from 00 up to 04.

Quantità di olio (litri) / Oil quantity (liters)										
CMG - CMGIS										
002	012	013	022	023	032	033	042	043	052	053
*	0.32	0.94	0.32	0.94	0.70	1.80	0.70	1.80	*	*

* Contattare il ns. Servizio Tecnico / Contact our Technical Service

Carichi radiali

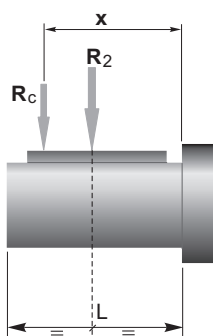
Radial loads



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 mezzes-
 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

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

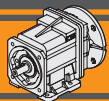
$$R \leq R_c$$

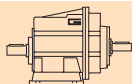
a, b = valori riportati nella tabella
a, b = values given in the table

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

**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

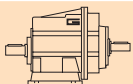
279	40	1.2	5.03
230	40	1.0	6.10
187	40	0.82	7.49
156	50	0.85	8.99
138	50	0.75	10.16
116	50	0.63	12.07
105	70	0.80	13.40
92.5	70	0.71	15.14
77.1	70	0.59	18.17
64.9	70	0.50	21.58
59.6	70	0.45	23.51
55.8	70	0.43	25.10
51.7	70	0.39	27.08
43.1	70	0.33	32.49
33.3	70	0.25	42.04
31.2	70	0.24	44.89
28.7	70	0.22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

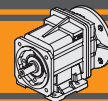
383	100	4.2	3.66
316	100	3.4	4.43
257	100	2.8	5.45
190	120	2.5	7.39
159	120	2.1	8.78
141	120	1.8	9.93
127	200	2.8	11.01
116	200	2.5	12.05
106	200	2.3	13.21
94.6	200	2.1	14.81
81.9	160	1.4	17.10
76.7	160	1.3	18.26
69.7	200	1.5	20.08
58.7	200	1.3	23.85
46.8	200	1.0	29.93
39.0	200	0.9	35.91
30.1	200	0.7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

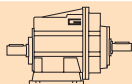
CMGIS 023

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


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

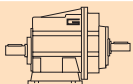
31.0	300	1.0	45.21
22.8	300	0.76	61.32
19.2	300	0.64	72.83
14.4	300	0.48	97.45
12.1	300	0.40	115.74
9.9	300	0.33	140.81
8.0	300	0.27	174.26
6.2	300	0.21	225.47
5.3	300	0.18	262.05
4.3	300	0.14	325.79
3.7	300	0.12	378.64

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

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
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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:

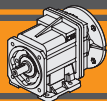
Pn_1 è la potenza meccanica.

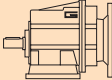
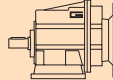
La potenza applicabile è ridotta del fattore termico.

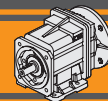
Per maggiori dettagli consultare il nostro Servizio Tecnico.

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.

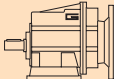
**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici****Technical data**

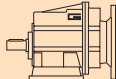
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.12							0.12						
63A4 (1400 min ⁻¹)	279	4	10.1	5.03	CMG002	B5/B14	63A4 (1400 min ⁻¹)	8.0	134	2.2	174.26	CMG033	B5
	230	5	8.3	6.10		B5/B14		6.2	173	1.7	225.47		B5
	187	6	6.8	7.49		B5/B14		5.3	202	1.5	262.05		B5
	156	7	7.1	8.99		B5/B14		4.3	251	1.2	325.79		B5
	138	8	6.3	10.16		B5/B14		3.7	291	1.0	378.64		B5
	116	9	5.3	12.07		B5/B14							
	105	11	6.7	13.40		B5/B14		5.3	202	2.5	262.05	CMG043	B5
	92.5	12	5.9	15.14		B5/B14		4.3	251	2.0	325.79		B5
	77.1	14	4.9	18.17		B5/B14		3.7	291	1.7	378.64		B5
	64.9	17	4.1	21.58		B5/B14							
	59.6	18	3.8	23.51		B5/B14							
	55.8	20	3.5	25.10		B5/B14							
	51.7	21	3.3	27.08		B5/B14							
	43.1	26	2.7	32.49		B5/B14							
	33.3	33	2.1	42.04		B5/B14							
	31.2	35	2.0	44.89		B5/B14							
	28.7	38	1.8	48.86		B5/B14							
63B4 (1400 min ⁻¹)	279	6	6.8	5.03	CMG002	B5/B14	63B4 (1400 min ⁻¹)	279	6	6.8	5.03	CMG002	B5/B14
	230	7	5.6	6.10		B5/B14		230	7	5.6	6.10		B5/B14
	187	9	4.5	7.49		B5/B14		187	9	4.5	7.49		B5/B14
	156	11	4.7	8.99		B5/B14		156	11	4.7	8.99		B5/B14
	138	12	4.2	10.16		B5/B14		138	12	4.2	10.16		B5/B14
	116	14	3.5	12.07		B5/B14		116	14	3.5	12.07		B5/B14
	105	16	4.4	13.40		B5/B14		105	16	4.4	13.40		B5/B14
	92.5	18	3.9	15.14		B5/B14		92.5	18	3.9	15.14		B5/B14
	77.1	21	3.3	18.17		B5/B14		77.1	21	3.3	18.17		B5/B14
	64.9	25	2.8	21.58		B5/B14		64.9	25	2.8	21.58		B5/B14
	59.6	28	2.5	23.51		B5/B14		59.6	28	2.5	23.51		B5/B14
	55.8	30	2.4	25.10		B5/B14		55.8	30	2.4	25.10		B5/B14
	51.7	32	2.2	27.08		B5/B14		51.7	32	2.2	27.08		B5/B14
	43.1	38	1.8	32.49		B5/B14		43.1	38	1.8	32.49		B5/B14
	33.3	50	1.4	42.04		B5/B14		33.3	50	1.4	42.04		B5/B14
	31.2	53	1.3	44.89		B5/B14		31.2	53	1.3	44.89		B5/B14
	28.7	58	1.2	48.86		B5/B14		28.7	58	1.2	48.86		B5/B14
63B4 (1400 min ⁻¹)	279	5	13.3	3.82	CMG012	B5	63B4 (1400 min ⁻¹)	279	5	13.3	3.82	CMG012	B5
	302	6	11.0	4.63		B5		302	6	11.0	4.63		B5
	246	7	8.9	5.69		B5		246	7	8.9	5.69		B5
	181	9	8.8	7.72		B5		181	9	8.8	7.72		B5
	153	11	7.4	9.17		B5		153	11	7.4	9.17		B5
	143	12	6.9	9.81		B5		143	12	6.9	9.81		B5
	122	14	7.4	11.50		B5		122	14	7.4	11.50		B5
	118	14	7.1	11.90		B5		118	14	7.1	11.90		B5
	101	16	7.4	13.80		B5		101	16	7.4	13.80		B5
	95.7	17	7.0	14.62		B5		95.7	17	7.0	14.62		B5
	78.4	21	5.7	17.86		B5		78.4	21	5.7	17.86		B5
	73.4	22	5.3	19.07		B5		73.4	22	5.3	19.07		B5
	70.6	23	5.1	19.83		B5		70.6	23	5.1	19.83		B5
	59.4	28	4.3	23.56		B5		59.4	28	4.3	23.56		B5
	47.4	35	3.4	29.56		B5		47.4	35	3.4	29.56		B5
	39.5	42	2.9	35.47		B5		39.5	42	2.9	35.47		B5
	30.5	54	2.2	45.89		B5		30.5	54	2.2	45.89		B5
	28.6	58	2.1	49.00		B5		28.6	58	2.1	49.00		B5
	26.3	63	1.9	53.33		B5		26.3	63	1.9	53.33		B5
63B4 (1400 min ⁻¹)	279	54	2.2	46.61	CMG013	B5	63B4 (1400 min ⁻¹)	279	54	2.2	46.61	CMG013	B5
	25.3	64	1.9	55.36		B5		25.3	64	1.9	55.36		B5
	22.1	73	1.6	63.22		B5		22.1	73	1.6	63.22		B5
	18.6	87	1.4	75.08		B5		18.6	87	1.4	75.08		B5
	15.7	103	1.2	89.17		B5		15.7	103	1.2	89.17		B5
	12.4	130	0.9	113.05		B5		12.4	130	0.9	113.05		B5
63B4 (1400 min ⁻¹)	279	88	2.3	114.46	CMG023	B5	63B4 (1400 min ⁻¹)	279	88	2.3	114.46	CMG023	B5
	10.3	105	1.9	135.95		B5		10.3	105	1.9	135.95		B5
	8.0	135	1.5	175.89		B5		8.0	135	1.5	175.89		B5
	6.8	157	1.3	204.69		B5		6.8	157	1.3	204.69		B5
	5.3	204	1.0	264.84		B5		5.3	204	1.0	264.84		B5
	4.5	237	0.8	307.80		B5		4.5	237	0.8	307.80		B5
	3.5	306	0.7	398.25		B5		3.5	306	0.7	398.25		B5



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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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0.18

63B4 (1400 min ⁻¹)	18.4	88	2.3	76.02	CMG023	B5
	15.5	104	1.9	90.29		B5
	12.2	132	1.5	114.46		B5
	10.3	157	1.3	135.95		B5
	8.0	203	1.0	175.89		B5
	6.8	236	0.9	204.69		B5
	12.1	134	2.2	115.74	CMG033	B5
	9.9	163	1.8	140.81		B5
	8.0	201	1.5	174.26		B5
	6.2	260	1.2	225.47		B5
	5.3	302	1.0	262.05		B5
	8.0	201	2.5	174.26	CMG043	B5
	6.2	260	1.9	225.47		B5
	5.3	302	1.7	262.05		B5
	4.3	376	1.3	325.79		B5
	3.7	437	1.1	378.64		B5

0.25

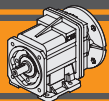
71A4 (1400 min ⁻¹)	30.0	75	1.6	46.61	CMG013	B5/B14
	25.3	89	1.4	55.36		B5/B14
	22.1	101	1.2	63.22		B5/B14
	18.6	120	1.0	75.08		B5/B14
	15.7	143	0.8	89.17		B5/B14
	30.1	76	2.6	46.46	CMG022	B5/B14
	28.2	81	2.5	49.61		B5/B14
	25.9	88	2.3	54.00		B5/B14
	29.7	76	2.6	47.19	CMG023	B5/B14
	25.0	90	2.2	56.05		B5/B14
	21.9	103	1.9	64.01		B5/B14
	18.4	122	1.6	76.02		B5/B14
	15.5	145	1.4	90.29		B5/B14
	12.2	183	1.1	114.46		B5/B14
	10.3	218	0.9	135.95	CMG033	B5/B14
						B5/B14
						B5/B14
						B5/B14
						B5/B14
						B5/B14
	9.9	226	2.2	140.81	CMG043	B5/B14
	8.0	279	1.8	174.26		B5/B14
	6.2	361	1.4	225.47		B5/B14
	5.3	420	1.2	262.05		B5/B14
	4.3	522	1.0	325.79		B5/B14
	3.7	607	0.8	378.64		B5/B14
	6.5	347	2.6	216.19	CMG053	B5/B14
	5.6	399	2.3	248.99		B5/B14
	4.8	464	1.9	289.15		B5/B14

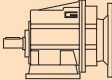
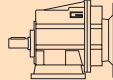
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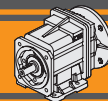
71A4 (1400 min ⁻¹)	279	8	4.9	5.03	CMG002	B5/B14
	230	10	4.0	6.10		B5/B14
	187	12	3.3	7.49		B5/B14
	156	15	3.4	8.99		B5/B14
	138	17	3.0	10.16		B5/B14
	116	20	2.5	12.07		B5/B14
	105	22	3.2	13.40		B5/B14
	92.5	25	2.8	15.14		B5/B14
	77.1	30	2.4	18.17		B5/B14
	64.9	35	2.0	21.58		B5/B14
	59.6	38	1.8	23.51		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
	367	6	9.6	3.82	CMG012	B5/B14
	302	8	7.9	4.63		B5/B14
	246	9	6.4	5.69		B5/B14
	181	13	6.3	7.72		B5/B14
	153	15	5.3	9.17		B5/B14
	143	16	5.0	9.81		B5/B14
	122	19	5.3	11.50		B5/B14
	118	20	5.1	11.90		B5/B14
	101	23	5.3	13.80		B5/B14
	95.7	24	5.0	14.62		B5/B14
	78.4	29	4.1	17.86		B5/B14
	73.4	31	3.8	19.07		B5/B14
	70.6	32	3.7	19.83		B5/B14
	59.4	39	3.1	23.56		B5/B14
	47.4	48	2.5	29.56		B5/B14
	39.5	58	2.1	35.47		B5/B14
	30.5	75	1.6	45.89		B5/B14
	28.6	80	1.5	49.00		B5/B14
	26.3	87	1.4	53.33		B5/B14

0.37

71B4 (1400 min ⁻¹)	279	12	3.3	5.03	CMG002	B5/B14
	230	15	2.7	6.10		B5/B14
	187	18	2.2	7.49		B5/B14
	156	22	2.3	8.99		B5/B14
	138	25	2.0	10.16		B5/B14
	116	29	1.7	12.07		B5/B14
	105	32	2.2	13.40		B5/B14
	92.5	37	1.9	15.14		B5/B14
	77.1	44	1.6	18.17		B5/B14
	64.9	52	1.3	21.58		B5/B14
	59.6	57	1.2	23.51		B5/B14
	55.8	61	1.2	25.10		B5/B14
	51.7	66	1.1	27.08		B5/B14
	43.1	79	0.9	32.49		B5/B14

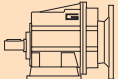
**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici****Technical data**

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.37							0.55						
71B4 (1400 min ⁻¹)	367	9	6.5	3.82	CMG012	B5/B14	80A4 (1400 min ⁻¹)	279	18	2.2	5.03	CMG002	B5/B14
	302	11	5.3	4.63		B5/B14		230	22	1.8	6.10		B5/B14
	246	14	4.4	5.69		B5/B14		187	27	1.5	7.49		B5/B14
	181	19	4.3	7.72		B5/B14		156	32	1.5	8.99		B5/B14
	153	22	3.6	9.17		B5/B14		138	37	1.4	10.16		B5/B14
	143	24	3.4	9.81		B5/B14		116	43	1.2	12.07		B5/B14
	122	28	3.6	11.50		B5/B14		105	48	1.5	13.40		B5/B14
	118	29	3.5	11.90		B5/B14		92.5	55	1.3	15.14		B5/B14
	101	33	3.6	13.80		B5/B14		77.1	65	1.1	18.17		B5/B14
	95.7	35	3.4	14.62		B5/B14		64.9	78	0.9	21.58		B5/B14
	78.4	43	2.8	17.86	CMG012	B5/B14		59.6	85	0.8	23.51		B5/B14
	73.4	46	2.6	19.07		B5/B14							
	70.6	48	2.5	19.83		B5/B14		367	14	4.4	3.82		B5/B14
	59.4	57	2.1	23.56		B5/B14		302	17	3.6	4.63		B5/B14
	47.4	72	1.7	29.56		B5/B14		246	21	2.9	5.69		B5/B14
	39.5	86	1.4	35.47		B5/B14		181	28	2.9	7.72		B5/B14
	30.5	111	1.1	45.89		B5/B14		153	33	2.4	9.17		B5/B14
	28.6	119	1.0	49.00		B5/B14		143	35	2.3	9.81		B5/B14
	26.3	129	0.9	53.33		B5/B14		122	41	2.4	11.50		B5/B14
								118	43	2.3	11.90		B5/B14
	30.0	111	1.1	46.61	CMG013	B5/B14		101	50	2.4	13.80	CMG022	B5/B14
	25.3	131	0.9	55.36		B5/B14		95.7	53	2.3	14.62		B5/B14
	22.1	150	0.8	63.22		B5/B14		78.4	64	1.9	17.86		B5/B14
					CMG022			73.4	69	1.7	19.07		B5/B14
	46.8	73	2.8	29.93		B5/B14		70.6	71	1.7	19.83		B5/B14
	39.0	87	2.3	35.91		B5/B14		59.4	85	1.4	23.56		B5/B14
	30.1	113	1.8	46.46		B5/B14		47.4	106	1.1	29.56		B5/B14
	28.2	120	1.7	49.61		B5/B14		39.5	128	0.9	35.47		B5/B14
	25.9	131	1.5	54.00		B5/B14							
					CMG023			81.9	62	2.6	17.10	CMG022	B5/B14
	29.7	112	1.8	47.19		B5/B14		76.7	66	2.4	18.26		B5/B14
	25.0	133	1.5	56.05		B5/B14		69.7	72	2.8	20.08		B5/B14
	21.9	152	1.3	64.01		B5/B14		58.7	86	2.3	23.85		B5/B14
	18.4	180	1.1	76.02		B5/B14		46.8	108	1.9	29.93		B5/B14
	15.5	214	0.9	90.29		B5/B14		39.0	129	1.5	35.91	CMG032	B5/B14
					CMG032	B5		30.1	167	1.2	46.46		B5/B14
	31.7	107	2.8	44.18		B5		28.2	179	1.1	49.61		B5/B14
	27.3	124	2.4	51.30	CMG033			25.9	194	1.0	54.00		B5/B14
	22.8	145	2.1	61.32		B5/B14		29.7	166	1.2	47.19	CMG023	B5/B14
	19.2	173	1.7	72.83		B5/B14		25.0	198	1.0	56.05		B5/B14
	14.4	231	1.3	97.45		B5/B14		21.9	226	0.9	64.01		B5/B14
	12.1	275	1.1	115.74	CMG043	B5/B14						CMG032	B5/B14
	9.9	334	0.9	140.81		B5/B14		45.8	110	2.7	30.57		B5/B14
								31.7	159	1.9	44.18		B5/B14
	14.4	231	2.2	97.45		B5/B14		27.3	185	1.6	51.30		B5/B14
	12.1	275	1.8	115.74		B5/B14							
	9.9	334	1.5	140.81	CMG053	B5/B14		31.0	159	1.9	45.21	CMG033	B5/B14
	8.0	413	1.2	174.26		B5/B14		22.8	216	1.4	61.32		B5/B14
	6.2	535	0.9	225.47		B5/B14		19.2	257	1.2	72.83		B5/B14
								14.4	344	0.9	97.45		B5/B14
	10.9	306	2.9	128.84		B5/B14						CMG043	B5/B14
	8.1	409	2.2	172.32	CMG053	B5/B14		22.8	216	2.3	61.32		B5/B14
	7.5	442	2.0	186.17		B5/B14		19.2	257	1.9	72.83		B5/B14
	6.5	513	1.8	216.19		B5/B14		14.4	344	1.5	97.45		B5/B14
	5.6	591	1.5	248.99		B5/B14		12.1	408	1.2	115.74		B5/B14
	4.8	686	1.3	289.15		B5/B14		9.9	497	1.0	140.81		B5/B14
								8.0	615	0.8	174.26		B5/B14



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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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0.55

80A4 (1400 min ⁻¹)	12.9	382	2.4	108.43	CMG053	B5/B14
	10.9	454	2.0	128.84		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

0.75

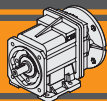
80B4 (1400 min ⁻¹)	279	25	1.6	5.03	CMG002	B5/B14
	230	30	1.3	6.10		B5/B14
	187	37	1.1	7.49		B5/B14
	156	44	1.1	8.99		B5/B14
	138	50	1.0	10.16		B5/B14
	116	59	0.8	12.07		B5/B14
	105	66	1.1	13.40		B5/B14
	92.5	74	0.9	15.14		B5/B14
	77.1	89	0.8	18.17		B5/B14
	367	19	3.2	3.82	CMG012	B5/B14
	302	23	2.6	4.63		B5/B14
	246	28	2.1	5.69		B5/B14
	181	38	2.1	7.72		B5/B14
	153	45	1.8	9.17		B5/B14
	143	48	1.7	9.81		B5/B14
	122	56	1.8	11.50		B5/B14
	118	58	1.7	11.90		B5/B14
	101	68	1.8	13.80		B5/B14
	95.7	72	1.7	14.62		B5/B14
	78.4	88	1.4	17.86	CMG022	B5/B14
	73.4	94	1.3	19.07		B5/B14
	70.6	97	1.2	19.83		B5/B14
	59.4	116	1.0	23.56		B5/B14
	94.6	73	2.8	14.81		B5/B14
	81.9	84	1.9	17.10		B5/B14
	76.7	90	1.8	18.26		B5/B14
	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	CMG032	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
	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
	31.0	217	1.4	45.21	CMG033	B5/B14
	22.8	295	1.0	61.32		B5/B14
					CMG042	B5/B14
	31.7	217	2.3	44.18		B5/B14
	27.3	252	2.0	51.30		B5/B14

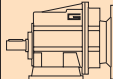
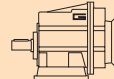
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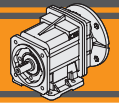
80B4 (1400 min ⁻¹)	31.0	217	2.3	45.21	CMG043	B5/B14
	22.8	295	1.7	61.32		B5/B14
	19.2	350	1.4	72.83		B5/B14
	14.4	469	1.1	97.45		B5/B14
	12.1	557	0.9	115.74		B5/B14
	21.7	310	2.9	64.48	CMG053	B5/B14
	18.7	361	2.5	74.96		B5/B14
	17.3	390	2.3	81.07		B5/B14
	16.2	415	2.2	86.24		B5/B14
	12.9	521	1.7	108.43		B5/B14
	10.9	620	1.5	128.84		B5/B14
	8.1	829	1.1	172.32		B5/B14
	7.5	895	1.0	186.17		B5/B14
	6.5	1040	0.9	216.19		B5/B14

1.1

90S4 (1400 min ⁻¹)	367	28	2.2	3.82	CMG012	B5/B14
	302	33	1.8	4.63		B5/B14
	246	41	1.5	5.69		B5/B14
	181	56	1.4	7.72		B5/B14
	153	66	1.2	9.17		B5/B14
	143	71	1.1	9.81		B5/B14
	118	86	1.2	11.90		B5/B14
	101	99	1.2	13.80		B5/B14
	95.7	105	1.1	14.62		B5/B14
	70.6	143	0.8	19.83		B5/B14
					CMG022	B5/B14
	257	39	2.5	5.45		B5/B14
	189	53	2.3	7.39		B5/B14
	160	63	1.9	8.78		B5/B14
	141	72	1.7	9.93		B5/B14
	116	87	2.3	12.05		B5/B14
	106	95	2.1	13.21		B5/B14
	94.6	107	1.9	14.81		B5/B14
	69.7	145	1.4	20.08		B5/B14
	58.7	172	1.2	23.85		B5/B14
	39.0	259	0.8	35.91	CMG032	B5/B14
						B5/B14
	76.9	131	2.1	18.21		B5/B14
	72.8	139	2.0	19.24		B5/B14
	66.2	152	1.8	21.15		B5/B14
	45.8	220	1.4	30.57		B5/B14
	31.7	318	0.9	44.18		B5/B14
					CMG033	B5/B14
	31.0	319	0.9	45.21		B5/B14
	45.8	220	2.3	30.57	CMG042	B5/B14
	31.7	318	1.6	44.18		B5/B14
	27.3	370	1.4	51.30		B5/B14
					CMG043	B5/B14
	31.0	319	1.6	45.21		B5/B14
	22.8	433	1.2	61.32		B5/B14
	19.2	514	1.0	72.83	CMG052	B5/B14
						B5/B14
	43.6	231	3.9	32.13		B5/B14
	30.2	334	2.7	46.31		

**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					
1.1							1.85									
90S4 (1400 min ⁻¹)	25.0	395	2.3	56.05	CMG053	B5/B14	90LB4 (1400 min ⁻¹)	367	46	1.3	3.82	CMG012	B5/B14			
	21.7	455	2.0	64.48		B5/B14		302	56	1.1	4.63		B5/B14			
	18.7	529	1.7	74.96		B5/B14		383	44	2.3	3.66	CMG022	B5/B14			
	17.3	572	1.6	81.07		B5/B14			54	1.9	4.43		B5/B14			
	16.2	608	1.5	86.24		B5/B14			66	1.5	5.45		B5/B14			
	12.9	765	1.2	108.43		B5/B14			90	1.3	7.39		B5/B14			
	10.9	909	1.0	128.84		B5/B14			106	1.1	8.78		B5/B14			
1.5							1.85									
90L4 (1400 min ⁻¹)	367	38	1.6	3.82	CMG012	B5/B14	90LB4 (1400 min ⁻¹)	116	146	1.4	12.05	CMG032	B5/B14			
	302	45	1.3	4.63		B5/B14		106	160	1.2	13.21		B5/B14			
	246	56	1.1	5.69		B5/B14		94.6	179	1.1	14.81		B5/B14			
	181	76	1.1	7.72		B5/B14		177	96	1.9	7.93		CMG032	B5/B14		
	153	90	0.9	9.17		B5/B14			154	110	1.6	9.08		B5/B14		
	383	36	2.8	3.66	CMG022	B5/B14			128	132	1.4	10.93		CMG032	B5/B14	
		44	2.3	4.43		B5/B14			111	153	1.6	12.60			B5/B14	
		54	1.9	5.45		B5/B14			105	161	1.6	13.30			B5/B14	
		73	1.7	7.39		B5/B14			91.5	185	1.5	15.30			B5/B14	
		86	1.4	8.78		B5/B14			76.9	221	1.3	18.21			B5/B14	
	160	86	1.4	8.78	CMG022	B5/B14		72.8	233	1.2	19.24	CMG032	B5/B14			
	141	98	1.2	9.93		B5/B14			256	1.1	21.15		B5/B14			
	116	118	1.7	12.05		B5/B14			370	0.8	30.57		B5/B14			
	106	130	1.5	13.21		B5/B14			91.5	185	2.3	15.3	CMG042	B5/B14		
	94.6	145	1.4	14.81		B5/B14				221	1.9	18.21		B5/B14		
	69.7	197	1.0	20.08		B5/B14				233	1.8	19.24		B5/B14		
	58.7	234	0.9	23.85		B5/B14				370	1.3	30.57		B5/B14		
	154	89	2.0	9.08	CMG032	B5/B14			535	0.9	44.18	CMG042	B5/B14			
		107	1.7	10.93		B5/B14			621	0.8	51.30		B5/B14			
		111	124	2.0		12.60			B5/B14	31.0	536	0.9	45.21	CMG043	B5/B14	
		105	131	1.9		13.30			B5/B14		389	2.3	32.13	CMG052	B5/B14	
		91.5	150	1.9		15.30			B5/B14		561	1.6	46.31		B5/B14	
	76.9	179	1.6	18.21	CMG032	B5/B14			665		1.4	56.05	CMG053	B5/B14		
	72.8	189	1.5	19.24		B5/B14			765		1.2	64.48		B5/B14		
	66.2	208	1.3	21.15		B5/B14			889		1.0	74.96		B5/B14		
	45.8	300	1.0	30.57		B5/B14			962		0.9	81.07		B5/B14		
	76.9	179	2.3	18.21	CMG042	B5/B14			1023		0.9	86.24		B5/B14		
		189	2.2	19.24		B5/B14										
		300	1.7	30.57		B5/B14										
		31.7	434	1.2		44.18			B5/B14							
		27.3	504	1.0		51.30			B5/B14							
	31.0	435	1.1	45.21	CMG043	B5/B14	2.2									
	22.8	590	0.9	61.32		B5/B14										
25.0	43.6	316	2.9	32.13	CMG052	B5/B14	100LA4 (1400 min ⁻¹)	374	54	2.8	3.74	CMG032	B5/B14			
	30.2	455	2.0	46.31		B5/B14		311	65	2.3	4.50		B5/B14			
	25.0	539	1.7	56.05	CMG053	B5/B14		255	79	1.9	5.48		B5/B14			
		620	1.5	64.48		B5/B14		222	91	2.0	6.31		B5/B14			
	21.7	721	1.2	74.96	CMG053	B5/B14		177	114	1.6	7.93		B5/B14			
	18.7	780	1.2	81.07		B5/B14		154	131	1.4	9.08		B5/B14			
	17.3	780	1.2	81.07	CMG053	B5/B14		128	157	1.1	10.93		B5/B14			
	16.2	829	1.1	86.24		B5/B14		111	182	1.4	12.60		B5/B14			
	12.9	1043	0.9	108.43		B5/B14		105	192	1.3	13.30		B5/B14			
	25.0	539	1.7	56.05	CMG053	B5/B14		91.5	220	1.3	15.30		B5/B14			
		620	1.5	64.48		B5/B14		76.9	262	1.1	18.21		B5/B14			
	21.7	721	1.2	74.96	CMG053	B5/B14		72.8	277	1.0	19.24		B5/B14			
	18.7	780	1.2	81.07		B5/B14		66.2	305	0.9	21.15		B5/B14			



P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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2.2

100LA4 (1400 min ⁻¹)	128	157	1.8	10.93	CMG042	B5/B14
	111	182	1.9	12.6		B5/B14
	105	192	1.8	13.30		B5/B14
	91.5	220	1.9	15.30		B5/B14
	76.9	262	1.6	18.21		B5/B14
	72.8	277	1.5	19.24		B5/B14
	45.8	440	1.1	30.57		B5/B14
	58.3	346	2.6	24.02	CMG052	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

3.0

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		B5/B14
	72.8	378	1.1	19.24		B5/B14
	45.8	601	0.8	30.57		B5/B14
	106	260	2.4	13.25	CMG052	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		B5/B14
	30.2	910	1.0	46.31		B5/B14
	25.0	1078	0.8	56.05		B5/B14
	25.0	1078	0.8	56.05	CMG053	B5/B14

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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4.0

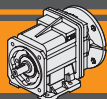
112M4 (1400 min ⁻¹)	374	98	1.5	3.74	CMG032	B5/B14
	311	118	1.3	4.50		B5/B14
	255	144	1.0	5.48		B5/B14
	222	165	1.1	6.31		B5/B14
	177	208	0.9	7.93		B5/B14
	374	98	2.3	3.74	CMG042	B5/B14
	311	118	1.9	4.50		B5/B14
	255	144	1.6	5.48		B5/B14
	222	165	1.6	6.31		B5/B14
	177	208	1.3	7.93		B5/B14
	154	238	1.2	9.08		B5/B14
	128	286	1.0	10.93		B5/B14
	111	330	1.1	12.60		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
					CMG052	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

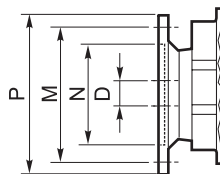
7.5

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



Motori applicabili

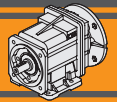
IEC Motor adapters



	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																				
						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																		

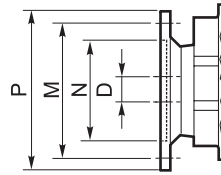
N.B.
Le aree evidenziate in indicano l'applicabilità della corrispondente grandezza motore.
B/BS = Boccia di riduzione in acciaio.

N.B.
Highlighted areas indicate motor inputs available on each size of unit.
B/BS = Metal shaft sleeve.



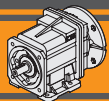
Motori applicabili

IEC Motor adapters



CMG

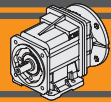
		IEC	N	M	P	D	i (rapporto / ratio)															
							3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	30.57	44.18	51.30
CMG032	100/112B5	180	215	250	28																	
	100/112B14	110	130	160																		
	90 B5	130	165	200	24																	
	90 B14	95	115	140																		
	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		
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																


CMG
RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES
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	40	5	M6	18	—	—
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	—	—
053			68		380	373	19				21.5						—	—

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

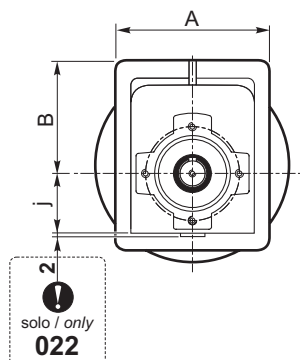
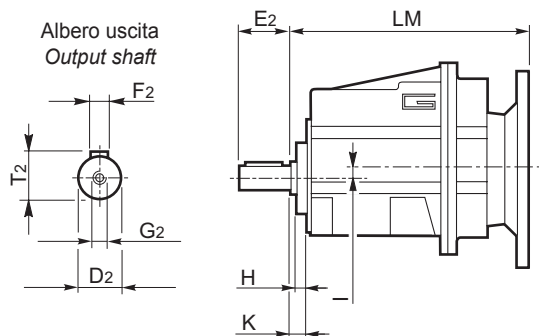


Dimensioni

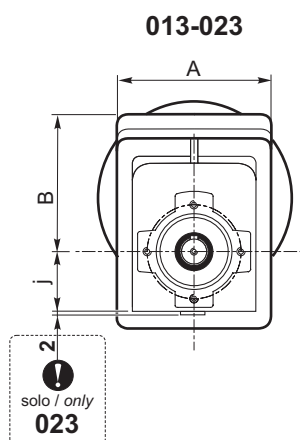
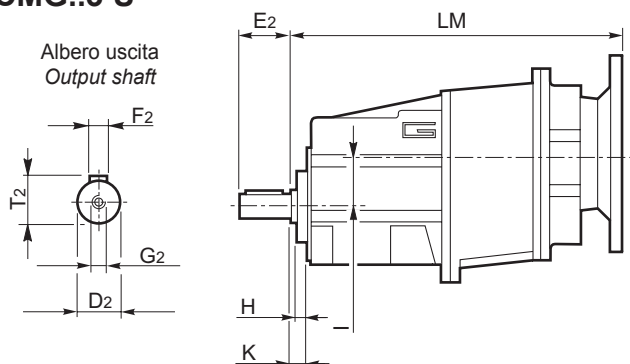
Dimensions

CMG..U

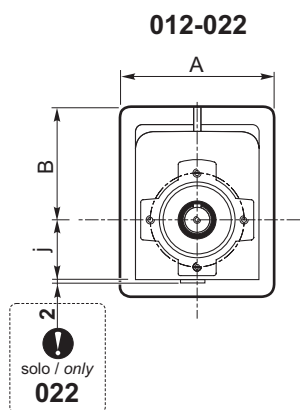
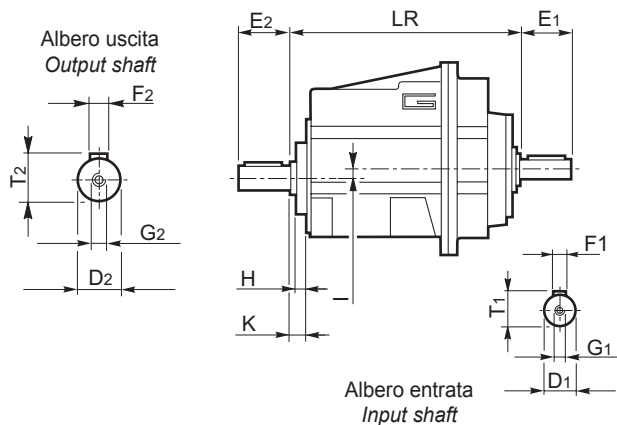
CMG..2 U



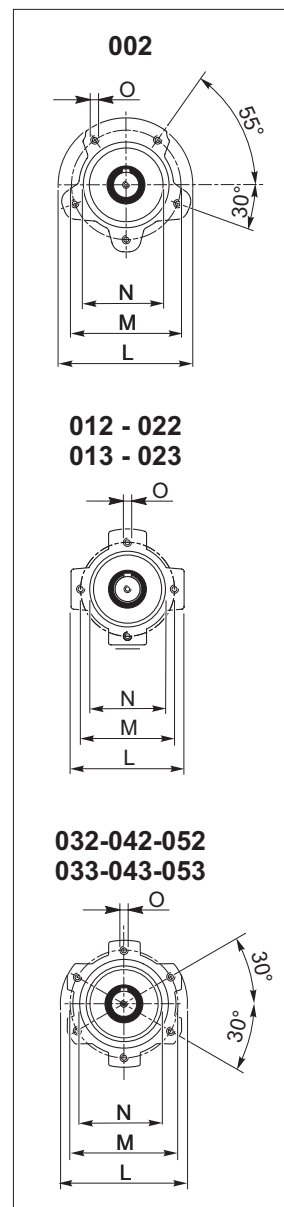
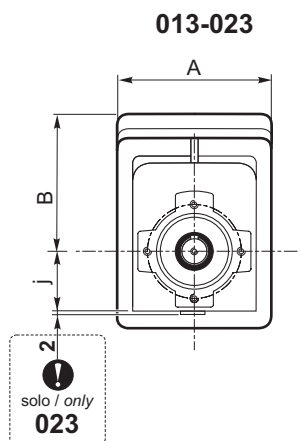
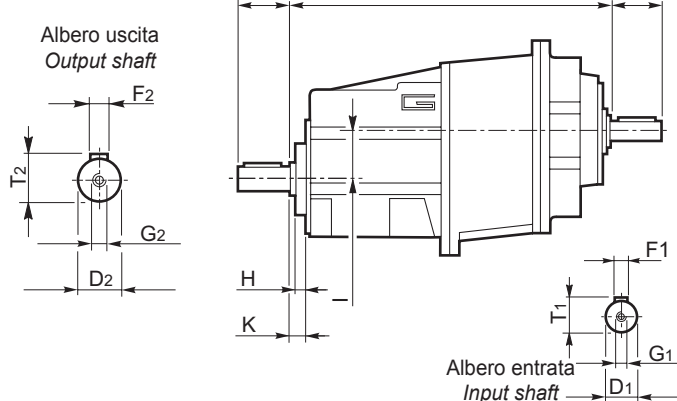
CMG..3 U



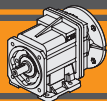
CMGIS..2 U



CMGIS..3 U



CMG

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

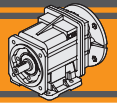
CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					*Peso / Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16	40	5	M6	18	—	—
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		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	—	—
053			68	380	373	19										—	—

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	50 - 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	50 - 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	3.5
	35	205	244	18	170	22	140	219	H140	4.3
	25	110 156	199	18	225	22	155	264	H155	5.1

Preferenziale / Preferred

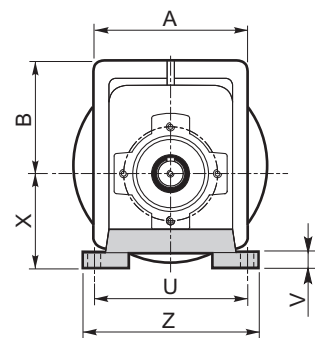
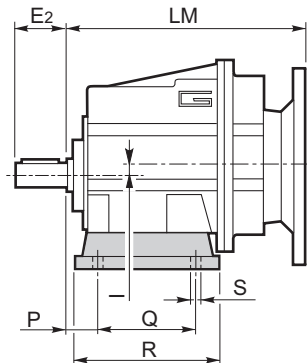
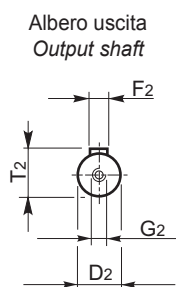


Dimensioni

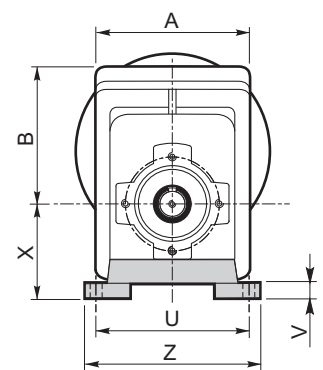
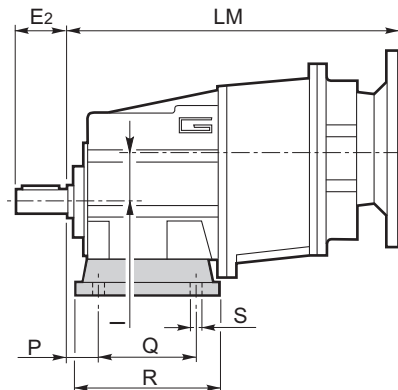
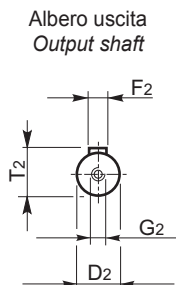
Dimensions

CMG..H

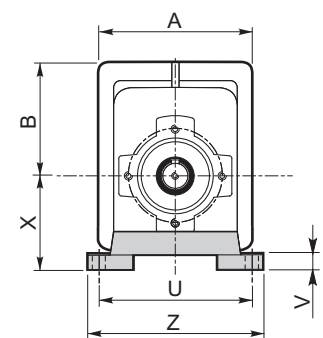
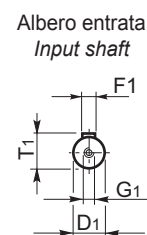
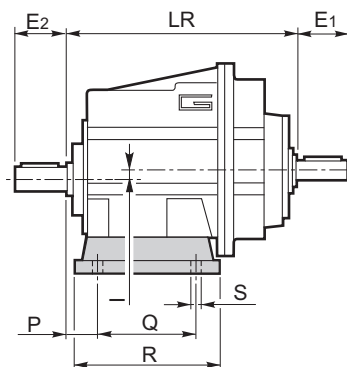
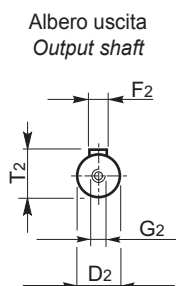
CMG..2 H..



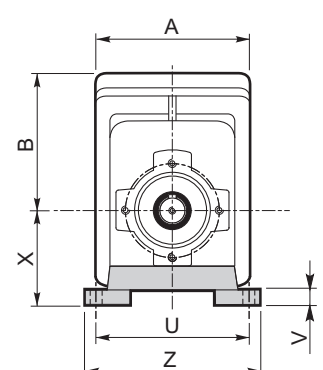
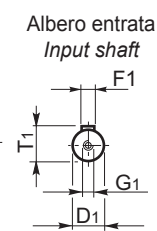
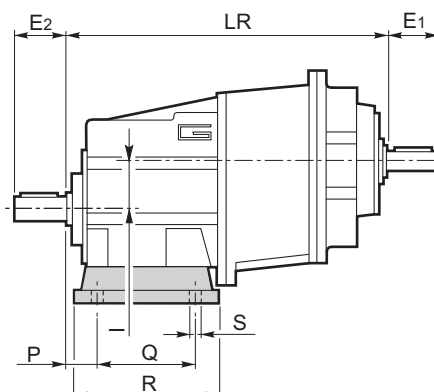
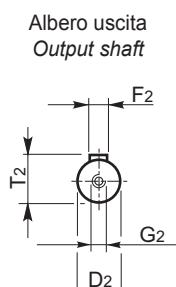
CMG..3 H..

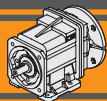


CMGIS..2 H..



CMGIS..3 H..





Dimensioni

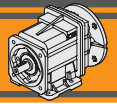
Dimensions

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	40	5	M6	18	—	—
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	—	—
053			68	380	373	19										—	—

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

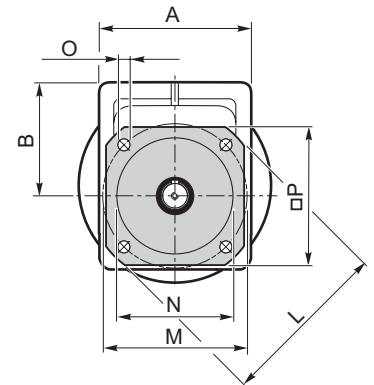
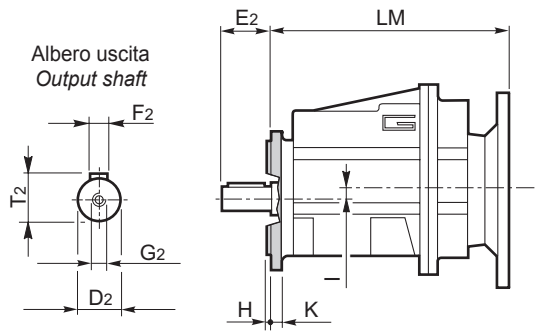


Dimensioni

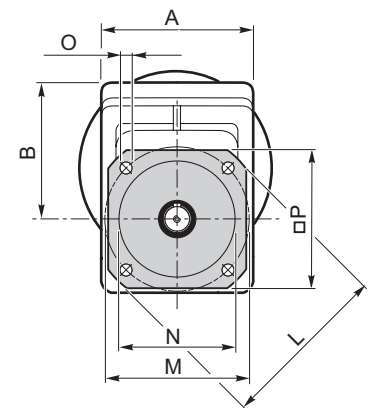
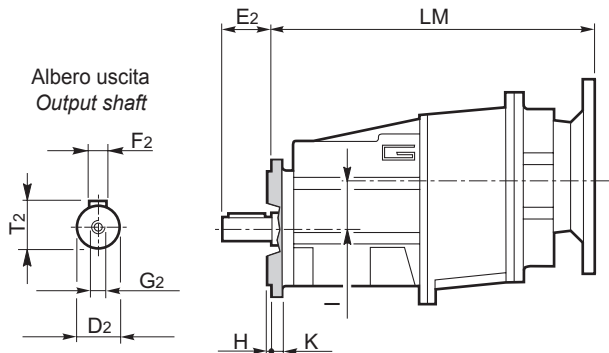
Dimensions

CMG..F

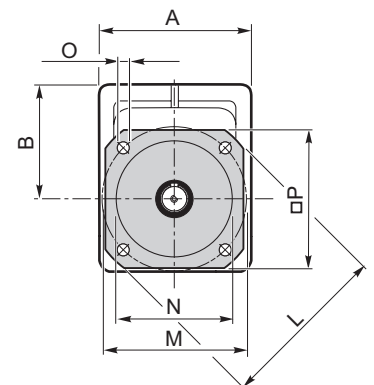
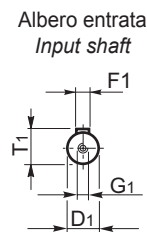
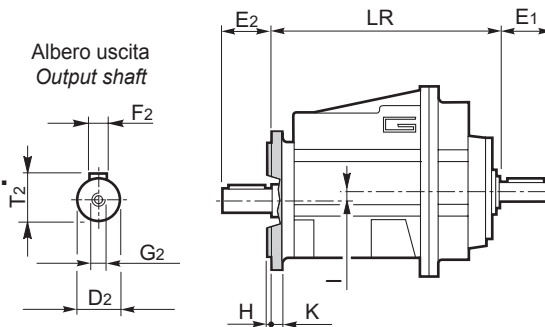
CMG..2 F..



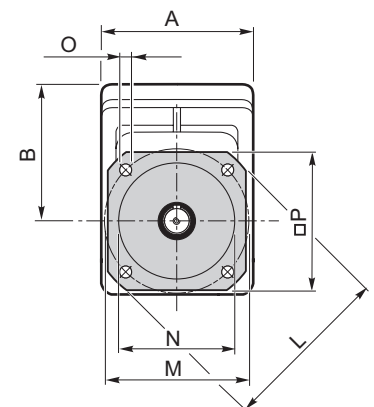
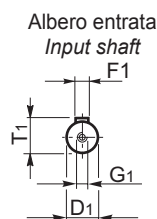
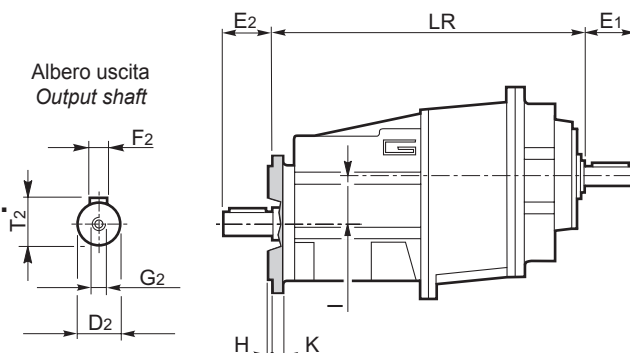
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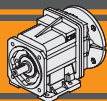
CMGIS..2 F..



CMGIS..3 F..



CMG

**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	40	5	M6	18	—	—
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	— —	— —

1) IEC 63/71, 2) IEC 80

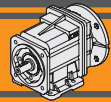
* Versione U / U Version

Versione H / H Version											Combinazioni possibili H/F Possible assembling 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	50 - 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	50 - 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	199	18	200	22	120	239	H120	3.5						●	
	35	205	244	18	170	22	140	219	H140	4.3						●	●
	25	110 156	199	18	225	22	155	264	H155	5.1						●	●

Preferenziale / Preferred

• Combinazioni possibili H/F / Possible assembling H/F

Versione F / F Version										Flangia / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P			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
	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

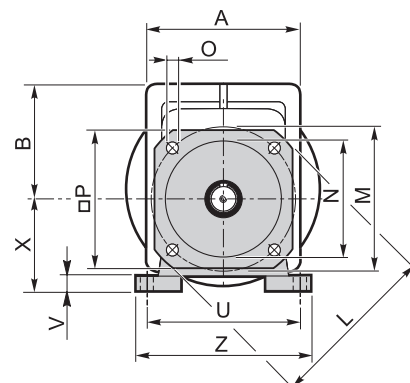
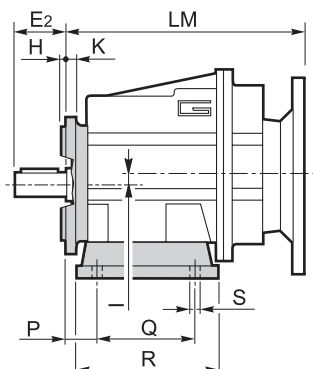
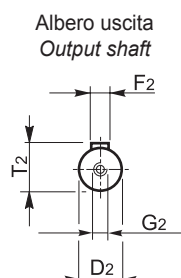


Dimensioni

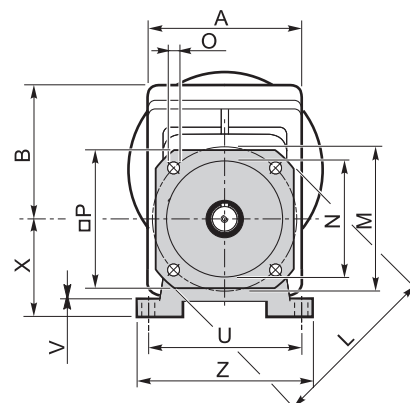
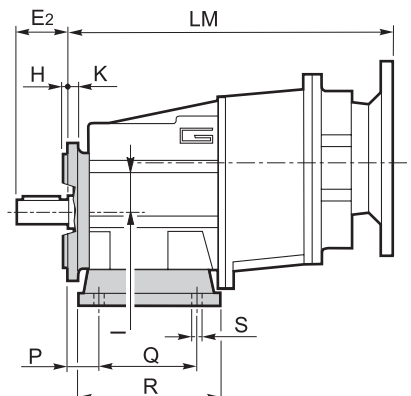
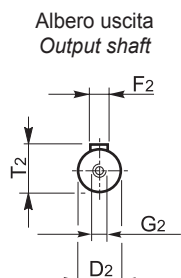
Dimensions

CMG..H../F..

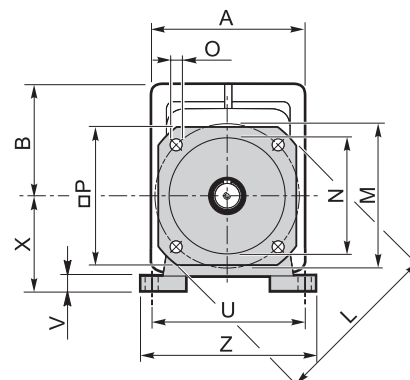
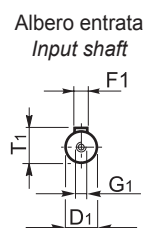
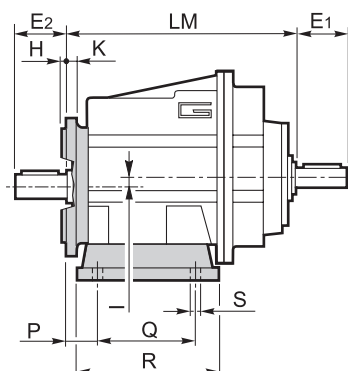
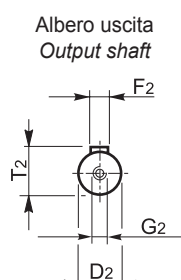
CMG..2 H../F..



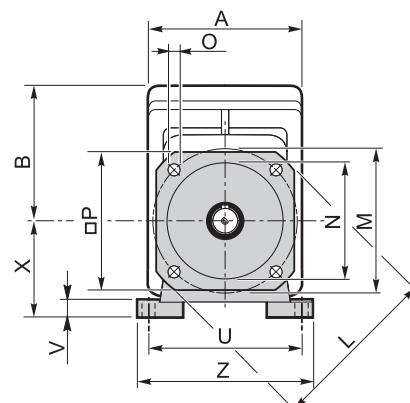
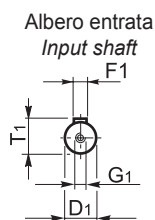
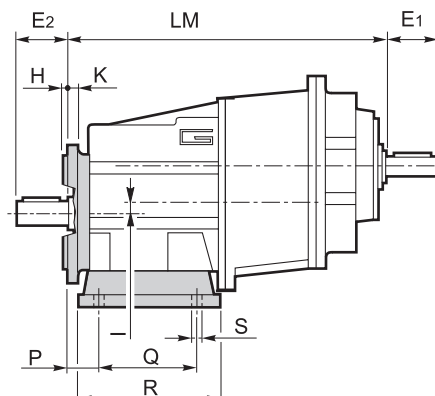
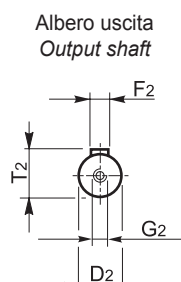
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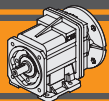


CMGIS..2 H../F..



CMGIS..3 H../F..

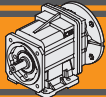




CMG

RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

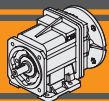
Note



Note

CMG





CMG

RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

Note