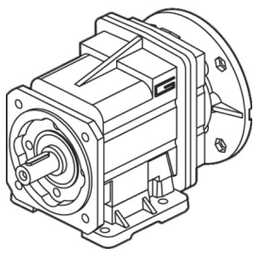
RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

MG

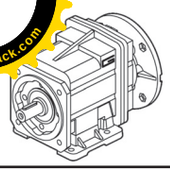
PalaDrive

THE MODULAR GEARMOTOR



MG-Series

CA61.01.1108



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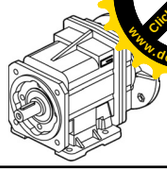
ENERGY SAVING



Caratteristiche tecniche — *Technical features*

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

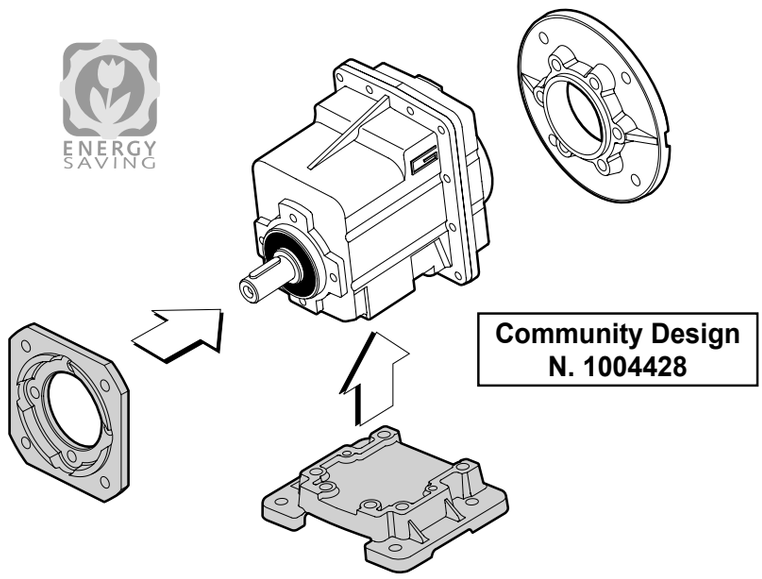
Caratteristiche comuni a tutta la serie:

- 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.

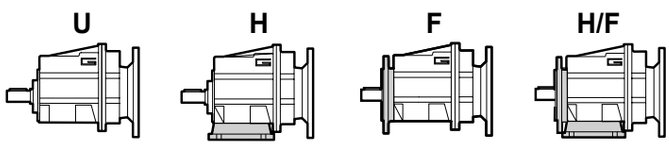
The high degree of modularity is a design feature of MG helical gearboxes range. It is possible to set up the version required using flanges or feet.

The main features of MG range are:

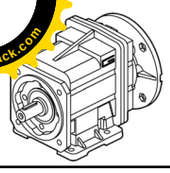
- *Die-cast aluminum housings and input flanges for sizes 00, 01, 02, 03 and 04. Cast iron housing on size 05;*
- *Cast iron feet and output flanges;*
- *Ground-hardened helical gears;*
- *Permanent synthetic oil long-life lubrication.*



Designazione — *Designation*

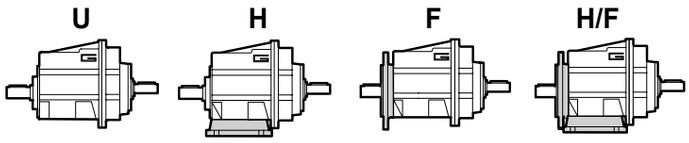


RIDUTTORE / *GEARBOX*								
MG	**01**	**2**	**H65**	**9.81**	**D20**	**71**	**B14**	**B3**
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero uscita *Output shaft*	IEC	Forma costruttiva *Version*	Pos. di montaggio *Mounting position*
MG	**00** **01** **02** **03** **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**



MG RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

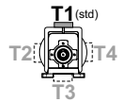
Designazione *Designation*



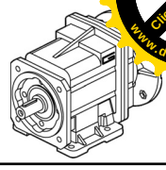
RIDUTTORE / *GEARBOX*

MGIS	01	2	U	9.81	D20	B3
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero uscita *Output shaft*	Pos. di montaggio *Mounting position*
MGIS	**01** **02** **03** **04** **05**	**2** **3**	**U...** **H...** **F...** **H.../F...**	vedi tabelle *see tables*	vedi tabelle *see tables*	**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. morsettiera *Terminal box pos.*
vedi tabelle *see tables*	**2p** **4p** **6p** **8p**	**1ph** **3ph**	**50Hz** **60Hz**	

Sensi di rotazione *Direction of rotation*



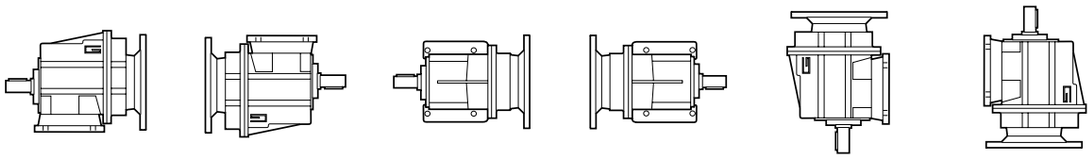
Lubrificazione — *Lubrication*

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.

MG MGIS	**Quantità di olio** (litri) / ***Oil quantity*** *(liters)*						
	B3	**B8**	**B6**	**B7**	**V5**	**V6**	
002	0.18						Lubrificati a vita / *Life lubricated*
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	4.3	

Posizioni di montaggio / *Mounting positions*

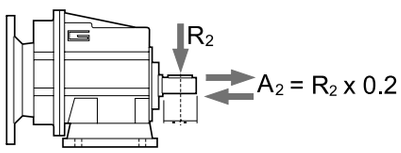


B3 (standard) **B8** **B6** **B7** **V5** **V6**

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*

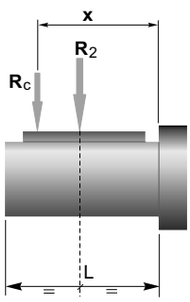
Carichi radiali — *Radial loads*



n_2 [min^{-1}]	R_2 [N]					
	MG 00	MG 01	MG 02	MG 03	MG 04	MG 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 mezzeria 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:

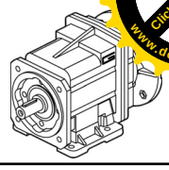


	MG 00	MG 01	MG 02	MG 03	MG 04	MG 05
a	73	104	117	132	150	180
b	53	84	92	102	115	140
R_{2MAX}	1300	2500	5000	6500	8000	12000

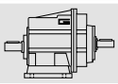
$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

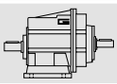
a, b = valori riportati nella tabella
a, b = values given in the table



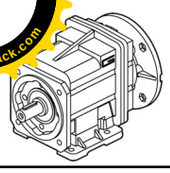
Dati tecnici — n_1 1400 min^{-1} — ***Technical data***



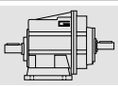
n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
MGIS 002			
279	40	1.2	5.03
230	40	1.0	6.10
187	40	0.82	7.49
156	50	0.85	8.99
138	50	0.75	10.16
116	50	0.63	12.07
105	70	0.80	13.40
92.5	70	0.71	15.14
77.1	70	0.59	18.17
64.9	70	0.50	21.58
59.6	70	0.45	23.51
55.8	70	0.43	25.10
51.7	70	0.39	27.08
43.1	70	0.33	32.49
33.3	70	0.25	42.04
31.2	70	0.24	44.89
28.7	70	0.22	48.86
MGIS 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
MGIS 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



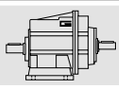
n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
MGIS 022			
383	100	4.2	3.66
316	100	3.4	4.43
257	100	2.8	5.45
190	120	2.5	7.39
159	120	2.1	8.78
141	120	1.8	9.93
127	200	2.8	11.01
116	200	2.5	12.05
106	200	2.3	13.21
94.6	200	2.1	14.81
81.9	160	1.4	17.10
76.7	160	1.3	18.26
69.7	200	1.5	20.08
58.7	200	1.3	23.85
46.8	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
MGIS 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
MGIS 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***



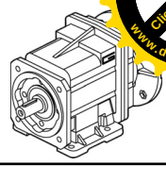
n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
MGIS 033			
31.0	300	1.0	45.21
22.8	300	0.76	61.32
19.2	300	0.64	72.83
14.4	300	0.48	97.45
12.1	300	0.40	115.74
9.9	300	0.33	140.81
8.0	300	0.27	174.26
6.2	300	0.21	225.47
5.3	300	0.18	262.05
4.3	300	0.14	325.79
3.7	300	0.12	378.64
MGIS 042			
374	230	9.4	3.74
311	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
MGIS 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
MGIS 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
MGIS 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.

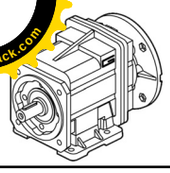
Note:
Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.



Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.06						
56A4 (1400 min^{-1})	**279**	2	*20.3*	5.03	**MG002**	**B5/B14**
	230	2	*16.7*	6.10		**B5/B14**
	187	3	*13.6*	7.49		**B5/B14**
	156	4	*14.2*	8.99		**B5/B14**
	138	4	*12.5*	10.16		**B5/B14**
	116	5	*10.5*	12.07		**B5/B14**
	105	5	*13.3*	13.40		**B5/B14**
	92.5	6	*11.8*	15.14		**B5/B14**
	77.1	7	*9.8*	18.17		**B5/B14**
	64.9	8	*8.3*	21.58		**B5/B14**
	59.6	9	*7.6*	23.51		**B5/B14**
	55.8	10	*7.1*	25.10		**B5/B14**
	51.7	11	*6.6*	27.08		**B5/B14**
	43.1	13	*5.5*	32.49		**B5/B14**
	33.3	17	*4.2*	42.04		**B5/B14**
	31.2	18	*4.0*	44.89		**B5/B14**
	28.7	19	*3.6*	48.86		**B5/B14**
0.09						
56B4 (1400 min^{-1})	**279**	3	*13.5*	5.03	**MG002**	**B5/B14**
	230	4	*11.1*	6.10		**B5/B14**
	187	4	*9.1*	7.49		**B5/B14**
	156	5	*9.4*	8.99		**B5/B14**
	138	6	*8.3*	10.16		**B5/B14**
	116	7	*7.0*	12.07		**B5/B14**
	105	8	*8.9*	13.40		**B5/B14**
	92.5	9	*7.8*	15.14		**B5/B14**
	77.1	11	*6.5*	18.17		**B5/B14**
	64.9	13	*5.5*	21.58		**B5/B14**
	59.6	14	*5.1*	23.51		**B5/B14**
	55.8	15	*4.7*	25.10		**B5/B14**
	51.7	16	*4.4*	27.08		**B5/B14**
	43.1	19	*3.7*	32.49		**B5/B14**
	33.3	25	*2.8*	42.04		**B5/B14**
	31.2	26	*2.6*	44.89		**B5/B14**
	28.7	29	*2.4*	48.86		**B5/B14**
0.12						
63A4 (1400 min^{-1})	**279**	4	*10.1*	5.03	**MG002**	**B5/B14**
	230	5	*8.3*	6.10		**B5/B14**
	187	6	*6.8*	7.49		**B5/B14**
	156	7	*7.1*	8.99		**B5/B14**
	138	8	*6.3*	10.16		**B5/B14**
	116	9	*5.3*	12.07		**B5/B14**
	105	11	*6.7*	13.40		**B5/B14**
	92.5	12	*5.9*	15.14		**B5/B14**
	77.1	14	*4.9*	18.17		**B5/B14**
	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**
	59.4	19	*6.5*	23.56	**MG012**	**B5**
	47.4	23	*5.2*	29.56		**B5**
	39.5	28	*4.3*	35.47		**B5**
	30.5	36	*3.3*	45.89		**B5**
	28.6	39	*3.1*	49.00		**B5**
	26.3	42	*2.9*	53.33		**B5**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.12						
63A4 (1400 min^{-1})	**30.0**	36	*3.3*	46.61	**MG013**	**B5**
	25.3	43	*2.8*	55.36		**B5**
	22.1	49	*2.5*	63.22		**B5**
	18.6	58	*2.1*	75.08		**B5**
	15.7	69	*1.7*	89.17		**B5**
	12.4	87	*1.4*	113.05		**B5**
	10.4	103	*1.2*	134.27		**B5**
	8.1	134	*0.9*	173.72		**B5**
	6.9	156	*0.8*	202.16		**B5**
	5.4	201	*0.6*	261.57		**B5**
	4.6	234	*0.5*	304.00		**B5**
	3.6	303	*0.4*	393.33		**B5**
	29.7	36	*5.5*	47.19	**MG023**	**B5**
	25.0	43	*4.6*	56.05		**B5**
	21.9	49	*4.1*	64.01		**B5**
	18.4	58	*3.4*	76.02		**B5**
	15.5	69	*2.9*	90.29		**B5**
	12.2	88	*2.3*	114.46		**B5**
	10.3	105	*1.9*	135.95		**B5**
	8.0	135	*1.5*	175.89		**B5**
	6.8	157	*1.3*	204.69		**B5**
	5.3	204	*1.0*	264.84		**B5**
	4.5	237	*0.8*	307.80		**B5**
	3.5	306	*0.7*	398.25		**B5**
	31.0	35	*8.6*	45.21	**MG033**	**B5**
	22.8	47	*6.4*	61.32		**B5**
	19.2	56	*5.4*	72.83		**B5**
	14.4	75	*4.0*	97.45		**B5**
	12.1	89	*3.4*	115.74		**B5**
	9.9	108	*2.8*	140.81		**B5**
	8.0	134	*2.2*	174.26		**B5**
	6.2	173	*1.7*	225.47		**B5**
	5.3	202	*1.5*	262.05		**B5**
	4.3	251	*1.2*	325.79		**B5**
	3.7	291	*1.0*	378.64		**B5**
	31.0	35	*14.4*	45.21	**MG043**	**B5**
	22.8	47	*10.6*	61.32		**B5**
	19.2	56	*8.9*	72.83		**B5**
	14.4	75	*6.7*	97.45		**B5**
	12.1	89	*5.6*	115.74		**B5**
	9.9	108	*4.6*	140.81		**B5**
	8.0	134	*3.7*	174.26		**B5**
	6.2	173	*2.9*	225.47		**B5**
	5.3	202	*2.5*	262.05		**B5**
	4.3	251	*2.0*	325.79		**B5**
	3.7	291	*1.7*	378.64		**B5**
0.18						
63B4 (1400 min^{-1})	**279**	6	*6.8*	5.03	**MG002**	**B5/B14**
	230	7	*5.6*	6.10		**B5/B14**
	187	9	*4.5*	7.49		**B5/B14**
	156	11	*4.7*	8.99		**B5/B14**
	138	12	*4.2*	10.16		**B5/B14**
	116	14	*3.5*	12.07		**B5/B14**
	105	16	*4.4*	13.40		**B5/B14**
	92.5	18	*3.9*	15.14		**B5/B14**
	77.1	21	*3.3*	18.17		**B5/B14**
	64.9	25	*2.8*	21.58		**B5/B14**
	59.6	28	*2.5*	23.51		**B5/B14**
	55.8	30	*2.4*	25.10		**B5/B14**
	51.7	32	*2.2*	27.08		**B5/B14**
	43.1	38	*1.8*	32.49		**B5/B14**
	33.3	50	*1.4*	42.04		**B5/B14**
	31.2	53	*1.3*	44.89		**B5/B14**
	28.7	58	*1.2*	48.86		**B5/B14**



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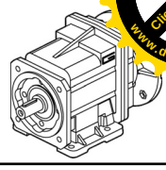
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.18						
63B4 (1400 min^{-1})	**78.4**	21	*5.7*	17.86	**MG012**	**B5**
	73.4	22	*5.3*	19.07		**B5**
	70.6	23	*5.1*	19.83		**B5**
	59.4	28	*4.3*	23.56		**B5**
	47.4	35	*3.4*	29.56		**B5**
	39.5	42	*2.9*	35.47		**B5**
	30.5	54	*2.2*	45.89		**B5**
	28.6	58	*2.1*	49.00		**B5**
	26.3	63	*1.9*	53.33		**B5**
	30.0	54	*2.2*	46.61	**MG013**	**B5**
	25.3	64	*1.9*	55.36		**B5**
	22.1	73	*1.6*	63.22		**B5**
	18.6	87	*1.4*	75.08		**B5**
	15.7	103	*1.2*	89.17		**B5**
	12.4	130	*0.9*	113.05		**B5**
	29.7	54	*3.7*	47.19	**MG023**	**B5**
	25.0	65	*3.1*	56.05		**B5**
	21.9	74	*2.7*	64.01		**B5**
	18.4	88	*2.3*	76.02		**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	*0.8*	204.69		**B5**
	31.0	52	*5.7*	45.21	**MG033**	**B5**
	22.8	71	*4.2*	61.32		**B5**
	19.2	84	*3.6*	72.83		**B5**
	14.4	112	*2.7*	97.45		**B5**
	12.1	134	*2.2*	115.74		**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**
	31.0	52	*9.6*	45.21	**MG043**	**B5**
	22.8	71	*7.1*	61.32		**B5**
	19.2	84	*5.9*	72.83		**B5**
	14.4	112	*4.4*	97.45		**B5**
	12.1	134	*3.7*	115.74		**B5**
	9.9	163	*3.1*	140.81		**B5**
	8.0	201	*2.5*	174.26		**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})	**279**	8	*4.9*	5.03	**MG002**	**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**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.25						
71A4 (1400 min^{-1})	**367**	6	*9.6*	3.82	**MG012**	**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	19	*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**
	30.0	75	*1.6*	46.61	**MG013**	**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**
	383	6	*16.7*	3.66	**MG022**	**B5/B14**
	316	7	*13.8*	4.43		**B5/B14**
	257	9	*11.2*	5.45		**B5/B14**
	189	12	*9.9*	7.39		**B5/B14**
	160	14	*8.4*	8.78		**B5/B14**
	141	16	*7.4*	9.93		**B5/B14**
	127	18	*11.1*	11.01		**B5/B14**
	116	20	*10.1*	12.05		**B5/B14**
	106	22	*9.2*	13.21		**B5/B14**
	94.6	24	*8.3*	14.81		**B5/B14**
	81.9	28	*5.7*	17.10		**B5/B14**
	76.7	30	*5.4*	18.26		**B5/B14**
	69.7	33	*6.1*	20.08		**B5/B14**
	58.7	39	*5.1*	23.85		**B5/B14**
	46.8	49	*4.1*	29.93		**B5/B14**
	39.0	59	*3.4*	35.91		**B5/B14**
	30.1	76	*2.6*	46.46		**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	**MG023**	**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		**B5/B14**
	31.7	72	*4.1*	44.18	**MG032**	**B5**
	27.3	84	*3.6*	51.30		**B5**
	31.0	72	*4.1*	45.21	**MG033**	**B5/B14**
	22.8	98	*3.1*	61.32		**B5/B14**
	19.2	117	*2.6*	72.83		**B5/B14**
	14.4	156	*1.9*	97.45		**B5/B14**
	12.1	186	*1.6*	115.74		**B5/B14**
	9.9	226	*1.3*	140.81		**B5/B14**
	8.0	279	*1.1*	174.26		**B5/B14**
	6.2	361	*0.8*	225.47		**B5/B14**



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P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.25						
71A4 (1400 min^{-1})	**31.0**	72	*6.9*	45.21	**MG043**	**B5/B14**
	22.8	98	*5.1*	61.32		**B5/B14**
	19.2	117	*4.3*	72.83		**B5/B14**
	14.4	156	*3.2*	97.45		**B5/B14**
	12.1	186	*2.7*	115.74		**B5/B14**
	9.9	226	*2.2*	140.81		**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**
	21.7	103	*8.7*	64.48	**MG053**	**B5**
	18.7	120	*7.5*	74.96		**B5**
	17.3	130	*6.9*	81.07		**B5**
	16.2	138	*6.5*	86.24		**B5**
	12.9	174	*5.2*	108.43		**B5**
	10.9	207	*4.4*	128.84		**B5**
	8.1	276	*3.3*	172.32		**B5**
	7.5	298	*3.0*	186.17		**B5**
	6.5	347	*2.6*	216.19		**B5**
	5.6	399	*2.3*	248.99		**B5**
	4.8	464	*1.9*	289.15		**B5**
0.37						
71B4 (1400 min^{-1})	**279**	12	*3.3*	5.03	**MG002**	**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**
	367	9	*6.5*	3.82	**MG012**	**B5/B14**
	302	11	*5.3*	4.63		**B5/B14**
	246	14	*4.4*	5.69		**B5/B14**
	181	19	*4.3*	7.72		**B5/B14**
	153	22	*3.6*	9.17		**B5/B14**
	143	24	*3.4*	9.81		**B5/B14**
	122	28	*3.6*	11.50		**B5/B14**
	118	29	*3.5*	11.90		**B5/B14**
	101	33	*3.6*	13.80		**B5/B14**
	95.7	35	*3.4*	14.62		**B5/B14**
	78.4	43	*2.8*	17.86		**B5/B14**
	73.4	46	*2.6*	19.07		**B5/B14**
	70.6	48	*2.5*	19.83		**B5/B14**
	59.4	57	*2.1*	23.56		**B5/B14**
	47.4	72	*1.7*	29.56		**B5/B14**
	39.5	86	*1.4*	35.47		**B5/B14**
	30.5	111	*1.1*	45.89		**B5/B14**
	28.6	119	*1.0*	49.00		**B5/B14**
	26.3	129	*0.9*	53.33		**B5/B14**
	30.0	111	*1.1*	46.61	**MG013**	**B5/B14**
	25.3	131	*0.9*	55.36		**B5/B14**
	22.1	150	*0.8*	63.22		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4 (1400 min^{-1})	**383**	9	*11.3*	3.66	**MG022**	**B5/B14**
	316	11	*9.3*	4.43		**B5/B14**
	257	13	*7.6*	5.45		**B5/B14**
	189	18	*6.7*	7.39		**B5/B14**
	160	21	*5.6*	8.78		**B5/B14**
	141	24	*5.0*	9.93		**B5/B14**
	127	27	*7.5*	11.01		**B5/B14**
	116	29	*6.8*	12.05		**B5**
	106	32	*6.2*	13.21		**B5**
	94.6	36	*5.6*	14.81		**B5/B14**
	81.9	41	*3.9*	17.10		**B5/B14**
	76.7	44	*3.6*	18.26		**B5/B14**
	69.7	49	*4.1*	20.08		**B5/B14**
	58.7	58	*3.5*	23.85		**B5/B14**
	46.8	73	*2.8*	29.93		**B5/B14**
	39.0	87	*2.3*	35.91		**B5/B14**
	30.1	113	*1.8*	46.46		**B5/B14**
	28.2	120	*1.7*	49.61		**B5/B14**
	25.9	131	*1.5*	54.00		**B5/B14**
	29.7	112	*1.8*	47.19	**MG023**	**B5/B14**
	25.0	133	*1.5*	56.05		**B5/B14**
	21.9	152	*1.3*	64.01		**B5/B14**
	18.4	180	*1.1*	76.02		**B5/B14**
	15.5	214	*0.9*	90.29		**B5/B14**
	374	9	*16.5*	3.74	**MG032**	**B5**
	311	11	*13.7*	4.50		**B5**
	255	13	*11.3*	5.48		**B5**
	222	15	*11.8*	6.31		**B5**
	177	19	*9.4*	7.93		**B5**
	154	22	*8.2*	9.08		**B5**
	128	26	*6.8*	10.93		**B5**
	111	31	*8.2*	12.60		**B5**
	105	32	*7.8*	13.30		**B5**
	91.5	37	*7.6*	15.30		**B5**
	76.9	44	*6.3*	18.21		**B5**
	72.8	47	*6.0*	19.24		**B5**
	66.2	51	*5.5*	21.15		**B5**
	45.8	74	*4.0*	30.57		**B5**
	31.7	107	*2.8*	44.18		**B5**
	27.3	124	*2.4*	51.30		**B5**
	23.0	147	*2.0*	60.80		
	31.0	107	*2.8*	45.21	**MG033**	**B5/B14**
	22.8	145	*2.1*	61.32		**B5/B14**
	19.2	173	*1.7*	72.83		**B5/B14**
	14.4	231	*1.3*	97.45		**B5/B14**
	12.1	275	*1.1*	115.74		**B5/B14**
	9.9	334	*0.9*	140.81		**B5/B14**
	31.0	107	*4.7*	45.21	**MG043**	**B5/B14**
	22.8	145	*3.4*	61.32		**B5/B14**
	19.2	173	*2.9*	72.83		**B5/B14**
	14.4	231	*2.2*	97.45		**B5/B14**
	12.1	275	*1.8*	115.74		**B5/B14**
	9.9	334	*1.5*	140.81		**B5/B14**
	8.0	413	*1.2*	174.26		**B5/B14**
	6.2	535	*0.9*	225.47		**B5/B14**

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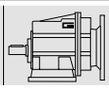
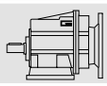
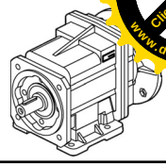
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4 (1400 min^{-1})	**25.0**	133	*6.8*	56.05	**MG053**	**B5**
	21.7	153	*5.9*	64.48		**B5**
	18.7	178	*5.1*	74.96		**B5**
	17.3	192	*4.7*	81.07		**B5**
	16.2	205	*4.4*	86.24		**B5**
	12.9	257	*3.5*	108.43		**B5**
	10.9	306	*2.9*	128.84		**B5**
	8.1	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**
0.55						
80A4 (1400 min^{-1})	**279**	18	*2.2*	5.03	**MG002**	**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	**MG012**	**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		**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	**MG022**	**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		**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		**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**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
80A4 (1400 min^{-1})	**29.7**	166	*1.2*	47.19	**MG023**	**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	**MG032**	**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		**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	**MG033**	**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		
	23.0	219	*2.2*	60.80	**MG042**	**B5/B14**
	31.0	159	*3.1*	45.21	**MG043**	**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		**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	**MG053**	**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		**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**



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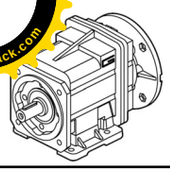
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.75						
80B4 (1400 min^{-1})	**279**	25	*1.6*	5.03	**MG002**	**B5/B14**
	230	30	*1.3*	6.10		**B5/B14**
	187	37	*1.1*	7.49		**B5/B14**
	156	44	*1.1*	8.99		**B5/B14**
	138	50	*1.0*	10.16		**B5/B14**
	116	59	*0.8*	12.07		**B5/B14**
	105	66	*1.1*	13.40		**B5/B14**
	92.5	74	*0.9*	15.14		**B5/B14**
	77.1	89	*0.8*	18.17		**B5/B14**
	367	19	*3.2*	3.82	**MG012**	
	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		**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**
	383	18	*5.6*	3.66	**MG022**	**B5/B14**
	316	22	*4.6*	4.43		**B5/B14**
	257	27	*3.7*	5.45		**B5/B14**
	189	36	*3.3*	7.39		**B5/B14**
	160	43	*2.8*	8.78		**B5/B14**
	141	49	*2.5*	9.93		**B5/B14**
	127	54	*3.7*	11.01		**B5/B14**
	116	59	*3.4*	12.05		**B5/B14**
	106	65	*3.1*	13.21		**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		**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	**MG032**	**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	**MG033**	**B5/B14**
	22.8	295	*1.0*	61.32		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.75						
80B4 (1400 min^{-1})	**374**	18	*12.5*	3.74	**MG042**	**B5/B14**
	311	22	*10.4*	4.50		**B5/B14**
	255	27	*8.5*	5.48		**B5/B14**
	222	31	*8.4*	6.31		**B5/B14**
	177	39	*6.7*	7.93		**B5/B14**
	154	45	*6.3*	9.08		**B5/B14**
	128	54	*5.2*	10.93		**B5/B14**
	111	62	*5.7*	12.60		**B5/B14**
	105	65	*5.4*	13.30		**B5/B14**
	91.5	75	*5.6*	15.30		**B5/B14**
	76.9	89	*4.7*	18.21		**B5/B14**
	72.8	94	*4.4*	19.24		**B5/B14**
	45.8	150	*3.3*	30.57		**B5/B14**
	31.7	217	*2.3*	44.18		**B5/B14**
	27.3	252	*2.0*	51.30		**B5/B14**
	23.0	299	*1.6*	60.80		**B5/B14**
	31.0	217	*2.3*	45.21	**MG043**	**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**
	68.9	100	*7.5*	20.31	**MG052**	**B5**
	58.3	118	*7.6*	24.02		**B5**
	43.6	158	*5.7*	32.13		**B5**
	30.2	227	*4.0*	46.31		**B5**
	25.0	270	*3.3*	56.05		**B5**
	21.7	310	*2.9*	64.48		**B5**
	18.7	361	*2.5*	74.96		**B5**
	17.3	390	*2.3*	81.07		**B5**
	16.2	415	*2.2*	86.24		**B5**
	12.9	521	*1.7*	108.43		**B5**
	10.9	620	*1.5*	128.84		**B5**
	8.1	829	*1.1*	172.32		**B5**
	7.5	895	*1.0*	186.17		**B5**
	6.5	1040	*0.9*	216.19		**B5**
1.1						
90S4 (1400 min^{-1})	**367**	28	*2.2*	3.82	**MG012**	**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**
	383	26	*3.8*	3.66	**MG022**	**B5/B14**
	316	32	*3.1*	4.43		**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		**B5/B14**



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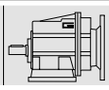
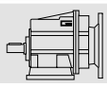
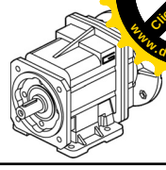
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.1						
90S4 (1400 min^{-1})	**374**	27	*5.6*	3.74	**MG032**	**B5/B14**
	311	32	*4.6*	4.50		**B5/B14**
	255	39	*3.8*	5.48		**B5/B14**
	222	45	*4.0*	6.31		**B5/B14**
	177	57	*3.2*	7.93		**B5/B14**
	154	65	*2.8*	9.08		**B5/B14**
	128	79	*2.3*	10.93		**B5/B14**
	111	91	*2.8*	12.60		**B5/B14**
	105	96	*2.6*	13.30		**B5/B14**
	91.5	110	*2.5*	15.30		**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**
	31.0	319	*0.9*	45.21	**MG033**	**B5/B14**
	374	27	*8.5*	3.74	**MG042**	**B5/B14**
	311	32	*7.1*	4.50		**B5/B14**
	255	39	*5.8*	5.48		**B5/B14**
	222	45	*5.7*	6.31		**B5/B14**
	177	57	*4.6*	7.93		**B5/B14**
	154	65	*4.3*	9.08		**B5/B14**
	128	79	*3.6*	10.93		**B5/B14**
	111	91	*3.9*	12.60		**B5/B14**
	105	96	*3.7*	13.30		**B5/B14**
	91.5	110	*3.8*	15.30		**B5/B14**
	76.9	131	*3.2*	18.21		**B5/B14**
	72.8	139	*3.0*	19.24		**B5/B14**
	45.8	220	*2.3*	30.57		**B5/B14**
	31.7	318	*1.6*	44.18		**B5/B14**
	27.3	370	*1.4*	51.30		**B5/B14**
	23.0	438	*1.1*	60.80		**B5/B14**
	31.0	319	*1.6*	45.21	**MG043**	**B5/B14**
	22.8	433	*1.2*	61.32		**B5/B14**
	19.2	514	*1.0*	72.83		**B5/B14**
	371	27	*15.1*	3.78	**MG052**	**B5/B14**
	292	35	*11.9*	4.80		**B5/B14**
	241	42	*9.8*	5.82		**B5/B14**
	210	48	*9.8*	6.68		**B5/B14**
	167	60	*7.8*	8.37		**B5/B14**
	153	66	*7.7*	9.16		**B5/B14**
	141	71	*7.1*	9.90		**B5/B14**
	120	84	*7.5*	11.64		**B5/B14**
	106	95	*6.6*	13.25		**B5/B14**
	99.2	102	*7.4*	14.11		**B5/B14**
	86.4	117	*6.4*	16.20		**B5/B14**
	68.9	146	*5.1*	20.31		**B5/B14**
	58.3	173	*5.2*	24.02		**B5/B14**
	43.6	231	*3.9*	32.13		**B5/B14**
	30.2	334	*2.7*	46.31		**B5/B14**
	25.0	395	*2.3*	56.05	**MG053**	**B5/B14**
	21.7	455	*2.0*	64.48		**B5/B14**
	18.7	529	*1.7*	74.96		**B5/B14**
	17.3	572	*1.6*	81.07		**B5/B14**
	16.2	608	*1.5*	86.24		**B5/B14**
	12.9	765	*1.2*	108.43		**B5/B14**
	10.9	909	*1.0*	128.84		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.5						
90L4 (1400 min^{-1})	**367**	38	*1.6*	3.82	**MG012**	**B5/B14**
	302	45	*1.3*	4.63		**B5/B14**
	246	56	*1.1*	5.69		**B5/B14**
	181	76	*1.1*	7.72		**B5/B14**
	153	90	*0.9*	9.17		**B5/B14**
	383	36	*2.8*	3.66	**MG022**	**B5/B14**
	316	44	*2.3*	4.43		**B5/B14**
	257	54	*1.9*	5.45		**B5/B14**
	189	73	*1.7*	7.39		**B5/B14**
	160	86	*1.4*	8.78		**B5/B14**
	141	98	*1.2*	9.93		**B5/B14**
	116	118	*1.7*	12.05		**B5/B14**
	106	130	*1.5*	13.21		**B5/B14**
	94.6	145	*1.4*	14.81		**B5/B14**
	69.7	197	*1.0*	20.08		**B5/B14**
	58.7	234	*0.9*	23.85		**B5/B14**
	374	37	*4.1*	3.74	**MG032**	**B5/B14**
	311	44	*3.4*	4.50		**B5/B14**
	255	54	*2.8*	5.48		**B5/B14**
	222	62	*2.9*	6.31		**B5/B14**
	177	78	*2.3*	7.93		**B5/B14**
	154	89	*2.0*	9.08		**B5/B14**
	128	107	*1.7*	10.93		**B5/B14**
	111	124	*2.0*	12.60		**B5/B14**
	105	131	*1.9*	13.30		**B5/B14**
	91.5	150	*1.9*	15.30		**B5/B14**
	76.9	179	*1.6*	18.21		**B5/B14**
	72.8	189	*1.5*	19.24		**B5/B14**
	66.2	208	*1.3*	21.15		**B5/B14**
	45.8	300	*1.0*	30.57		**B5/B14**
	374	37	*6.3*	3.74	**MG042**	**B5/B14**
	311	44	*5.2*	4.50		**B5/B14**
	255	54	*4.3*	5.48		**B5/B14**
	222	62	*4.2*	6.31		**B5/B14**
	177	78	*3.3*	7.93		**B5/B14**
	154	89	*3.1*	9.08		**B5/B14**
	128	107	*2.6*	10.93		**B5/B14**
	111	124	*2.8*	12.60		**B5/B14**
	105	131	*2.7*	13.30		**B5/B14**
	91.5	150	*2.8*	15.30		**B5/B14**
	76.9	179	*2.3*	18.21		**B5/B14**
	72.8	189	*2.2*	19.24		**B5/B14**
	45.8	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	**MG043**	**B5/B14**
	22.8	590	*0.8*	61.32		**B5/B14**
	371	37	*11.1*	3.78	**MG052**	**B5/B14**
	292	47	*8.7*	4.80		**B5/B14**
	241	57	*7.2*	5.82		**B5/B14**
	210	66	*7.2*	6.68		**B5/B14**
	167	82	*5.7*	8.37		**B5/B14**
	153	90	*5.7*	9.16		**B5/B14**
	141	97	*5.2*	9.90		**B5/B14**
	120	114	*5.5*	11.64		**B5/B14**
	106	130	*4.8*	13.25		**B5/B14**
	99.2	139	*5.4*	14.11		**B5/B14**
	86.4	159	*4.7*	16.20		**B5/B14**
	68.9	199	*3.8*	20.31		**B5/B14**
	58.3	236	*3.8*	24.02		**B5/B14**
	43.6	316	*2.9*	32.13		**B5/B14**
	30.2	455	*2.0*	46.31		**B5/B14**



Dati tecnici — *Technical data*

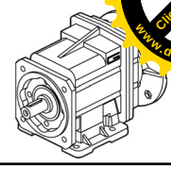
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.5						
90L4 (1400 min^{-1})	**25.0**	539	*1.7*	56.05	**MG053**	**B5/B14**
	21.7	620	*1.5*	64.48		**B5/B14**
	18.7	721	*1.2*	74.96		**B5/B14**
	17.3	780	*1.2*	81.07		**B5/B14**
	16.2	829	*1.1*	86.24		**B5/B14**
	12.9	1043	*0.9*	108.43		**B5/B14**
1.85						
90LB4 (1400 min^{-1})	**367**	46	*1.3*	3.82	**MG012**	**B5/B14**
	302	56	*1.1*	4.63		**B5/B14**
	383	44	*2.3*	3.66	**MG022**	**B5/B14**
	316	54	*1.9*	4.43		**B5/B14**
	257	66	*1.5*	5.45		**B5/B14**
	189	90	*1.3*	7.39		**B5/B14**
	160	106	*1.1*	8.78		**B5/B14**
	141	120	*1.0*	9.93		**B5/B14**
	116	146	*1.4*	12.05		**B5/B14**
	106	160	*1.2*	13.21		**B5/B14**
	94.6	179	*1.1*	14.81		**B5/B14**
	374	45	*3.3*	3.74	**MG032**	**B5/B14**
	311	55	*2.7*	4.50		**B5/B14**
	255	66	*2.3*	5.48		**B5/B14**
	222	76	*2.4*	6.31		**B5/B14**
	177	96	*1.9*	7.93		**B5/B14**
	154	110	*1.6*	9.08		**B5/B14**
	128	132	*1.4*	10.93		**B5/B14**
	111	153	*1.6*	12.60		**B5/B14**
	105	161	*1.6*	13.30		**B5/B14**
	91.5	185	*1.5*	15.30		**B5/B14**
	76.9	221	*1.3*	18.21		**B5/B14**
	72.8	233	*1.2*	19.24		**B5/B14**
	66.2	256	*1.1*	21.15		**B5/B14**
	45.8	370	*0.8*	30.57		**B5/B14**
	374	45	*5.1*	3.74	**MG042**	**B5/B14**
	311	55	*4.2*	4.50		**B5/B14**
	255	66	*3.5*	5.48		**B5/B14**
	222	76	*3.4*	6.31		**B5/B14**
	177	96	*2.7*	7.93		**B5/B14**
	154	110	*2.5*	9.08		**B5/B14**
	128	132	*2.1*	10.93		**B5/B14**
	111	153	*2.3*	12.60		**B5/B14**
	105	161	*2.2*	13.30		**B5/B14**
	91.5	185	*2.3*	15.30		**B5/B14**
	76.9	221	*1.9*	18.21		**B5/B14**
	72.8	233	*1.8*	19.24		**B5/B14**
	45.8	370	*1.3*	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	**MG043**	**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.85						
90LB4 (1400 min^{-1})	**371**	46	*9.0*	3.78	**MG052**	**B5/B14**
	292	58	*7.1*	4.80		**B5/B14**
	241	70	*5.8*	5.82		**B5/B14**
	210	81	*5.8*	6.68		**B5/B14**
	167	101	*4.6*	8.37		**B5/B14**
	153	111	*4.6*	9.16		**B5/B14**
	141	120	*4.3*	9.90		**B5/B14**
	120	141	*4.5*	11.64		**B5/B14**
	106	160	*3.9*	13.25		**B5/B14**
	99.2	171	*4.4*	14.11		**B5/B14**
	86.4	196	*3.8*	16.20		**B5/B14**
	68.9	246	*3.0*	20.31		**B5/B14**
	58.3	291	*3.1*	24.02		**B5/B14**
	43.6	389	*2.3*	32.13		**B5/B14**
	30.2	561	*1.6*	46.31		**B5/B14**
	25.0	665	*1.4*	56.05	**MG053**	**B5/B14**
	21.7	765	*1.2*	64.48		**B5/B14**
	18.7	889	*1.0*	74.96		**B5/B14**
	17.3	962	*0.9*	81.07		**B5/B14**
	16.2	1023	*0.9*	86.24		**B5/B14**
2.2						
100LA4 (1400 min^{-1})	**374**	54	*2.8*	3.74	**MG032**	**B5/B14**
	311	65	*2.3*	4.50		**B5/B14**
	255	79	*1.9*	5.48		**B5/B14**
	222	91	*2.0*	6.31		**B5/B14**
	177	114	*1.6*	7.93		**B5/B14**
	154	131	*1.4*	9.08		**B5/B14**
	128	157	*1.1*	10.93		**B5/B14**
	111	182	*1.4*	12.60		**B5/B14**
	105	192	*1.3*	13.30		**B5/B14**
	91.5	220	*1.3*	15.30		**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	54	*4.3*	3.74	**MG042**	**B5/B14**
	311	65	*3.5*	4.50		**B5/B14**
	255	79	*2.9*	5.48		**B5/B14**
	222	91	*2.9*	6.31		**B5/B14**
	177	114	*2.3*	7.93		**B5/B14**
	154	131	*2.1*	9.08		**B5/B14**
	128	157	*1.8*	10.93		**B5/B14**
	111	182	*1.9*	12.60		**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**

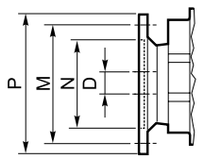
Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
2.2						
100LA4 (1400 min^{-1})	**371**	54	*7.5*	3.78	**MG052**	**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	**MG053**	**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	**MG032**	**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	**MG042**	**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**
	371	74	*5.5*	3.78	**MG052**	**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		**B5/B14**
	30.2	910	*1.0*	46.31		**B5/B14**
	25.0	1078	*0.8*	56.05	**MG053**	**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
4						
112M4 (1400 min^{-1})	**374**	98	*1.5*	3.74	**MG032**	**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	**MG042**	**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**
	371	99	*4.1*	3.78	**MG052**	**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	**MG052**	**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	**MG052**	**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
MG002	**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
MG012	**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
MG013	**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**											

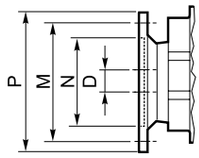
						3.66	4.43	5.45	7.39	8.78	9.93	11.01	12.05	13.21	14.81	17.10	18.26	20.08	23.85	29.93	35.91	46.46	49.61	54.00
MG022	**90 B5**	130	165	200	24																			
	90 B14	95	115	140																				
	80 B5	130	165	200	19																			
	80 B14	80	100	120																				
	71 B5	110	130	160	14	**B**																		
	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
MG023	**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 = Boccola 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*



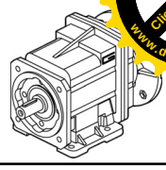
	IEC	N	M	P	D	i (rapporto / *ratio*)														
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	30.57	44.18	51.30
MG032	**100/112B5**	180	215	250	28																
	100/112B14	110	130	160																	
	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	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
MG042	**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
MG033 MG043	**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
MG052	**132 B5**	230	265	300	38															
	100/112B5	180	215	250	28															
	100/112B14	110	130	160																
	90 B5	130	165	200	24															
	90 B14	95	115	140		**B**														
	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
MG053	**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*

MG MGIS	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	MG	MGIS
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	40	6	M6	21.5						42.0	42.3

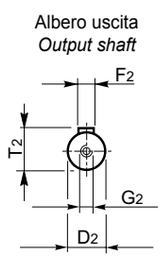
[1] IEC 63/71, [2] IEC 80

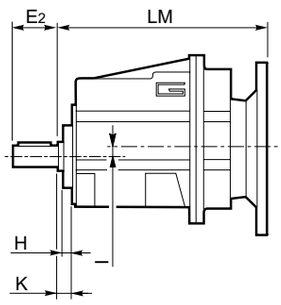
Versione **U** / ***U** Version*						
MG MGIS	**H**	**K**	**L**	**M**	**N** f7	**O**
002	2.5	11	78	64	50	n°5 M6x14
012 013	8.5	13.5	95	76	60	n°4 M8x15
022 023	8.5	13.5	95	76	60	n°4 M8x15
032 033	9	15	127	110	90	n°6 M8x19
042 043	9	15	127	110	90	n°6 M8x19
052 053	10	16	160	135	110	n°6 M10x22

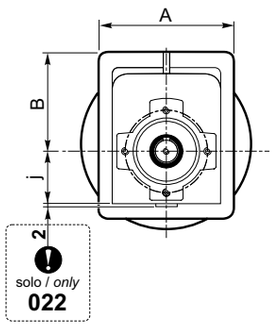
Dimensioni ***Dimensions***

MG..U

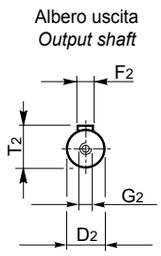
MG..2 U

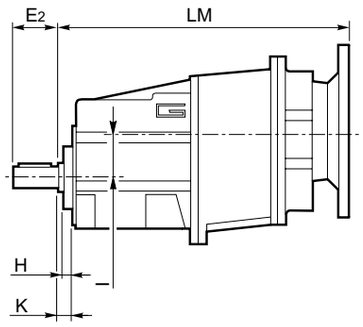




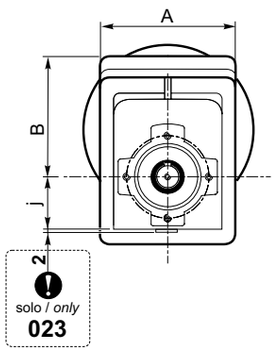


MG..3 U

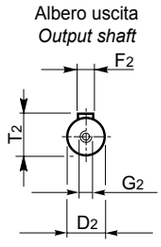


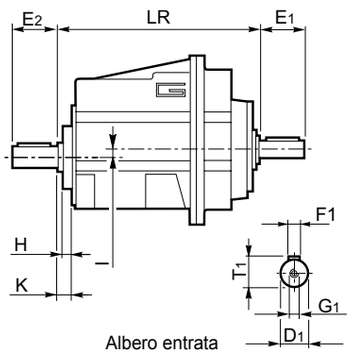


013-023

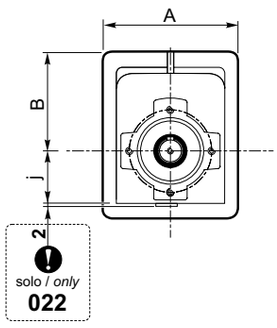


MGIS..2 U

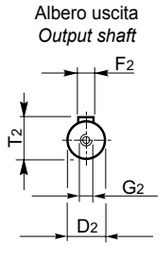


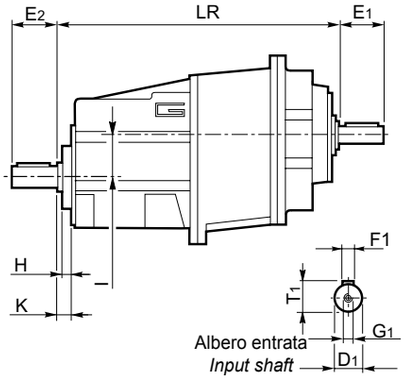


012-022

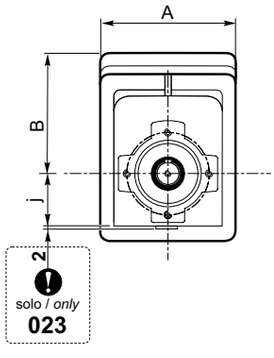


MGIS..3 U

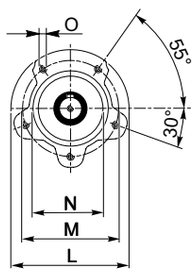




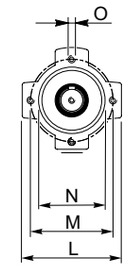
013-023



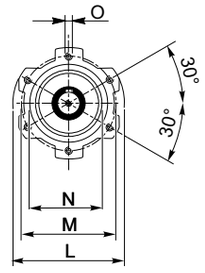
002

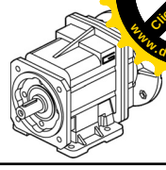


012 - 022
013 - 023



032-042-052
033-043-053





Dimensioni — *Dimensions*

MG MGIS	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	MG	MGIS
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	40	6	M6	21.5						42.0	42.3

[1] IEC 63/71, [2] IEC 80

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

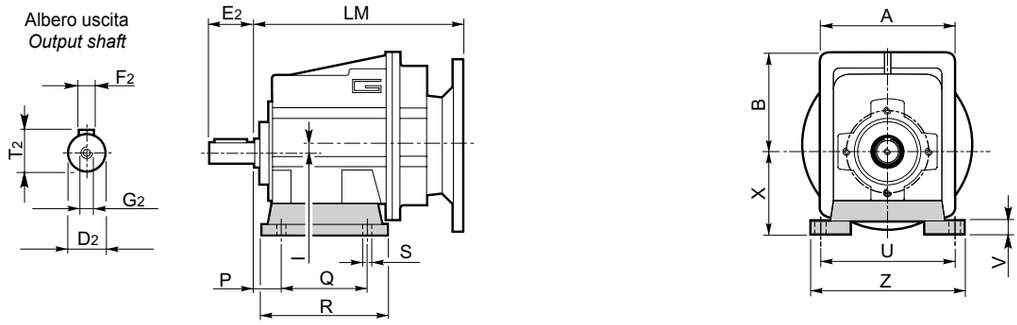
Versione **H** / ***H** Version*										
MG MGIS	**P**	**Q**	**R**	**S**	**U**	**V**	**X**	**Z**	**Piede / *Foot***	
									Tipo / *Type*	Peso / *Weight* [kg]
002	**18**	**60**	**80**	**9**	**100**	**10**	**60**	**120**	**H60**	**0.2**
	18	80	104	9	110 - 120	10	75	145	H75	0.3
	18	50 - 87	110	9	110	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	199	18	225	22	155	264	**H155**	5.1
		156								

Preferenziale / *Preferred*

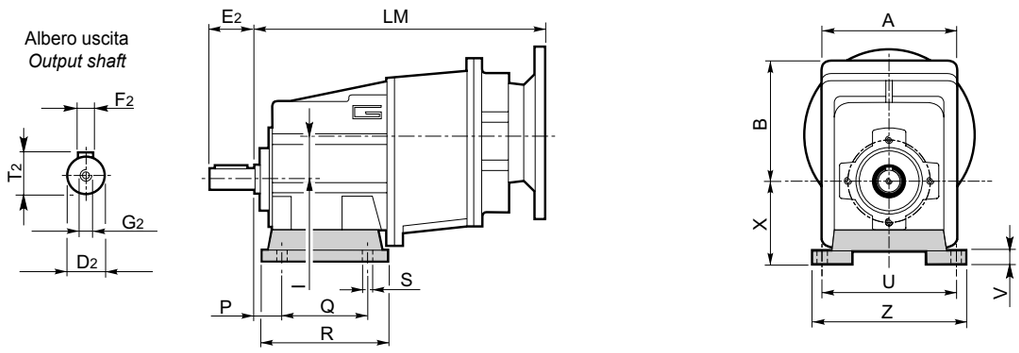
Dimensioni ***Dimensions***

MG..H

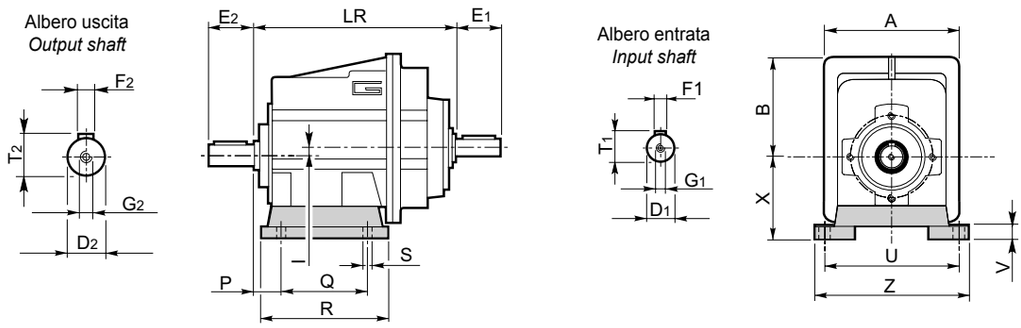
MG..2 H..



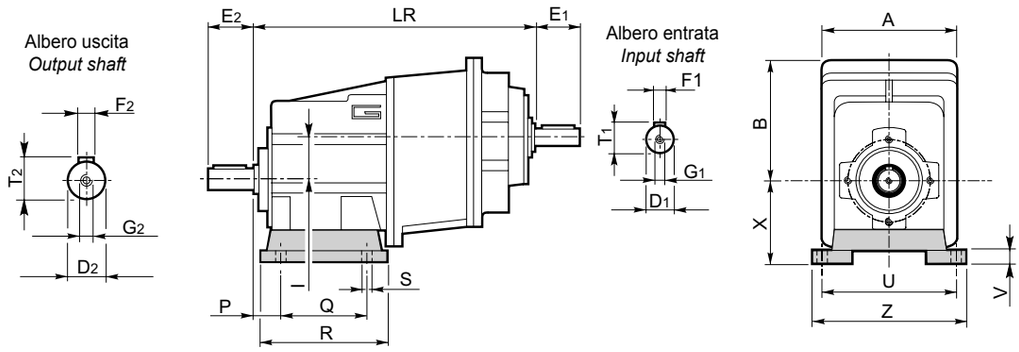
MG..3 H..

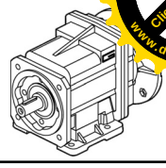


MGIS..2 H..



MGIS..3 H..





Dimensioni — *Dimensions*

MG MGIS	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	MG	MGIS
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	40	6	M6	21.5						42.0	42.3

[1] IEC 63/71, [2] IEC 80

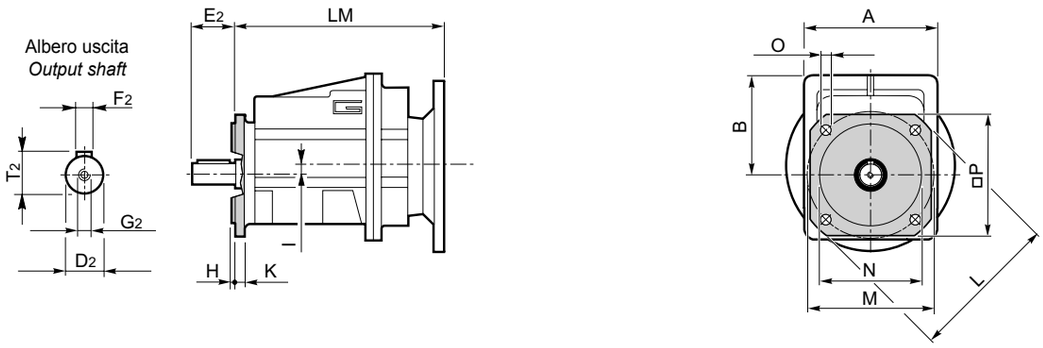
* Versione **U** / ***U** Version*

Versione **F** / ***F** Version*									
MG MGIS	**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

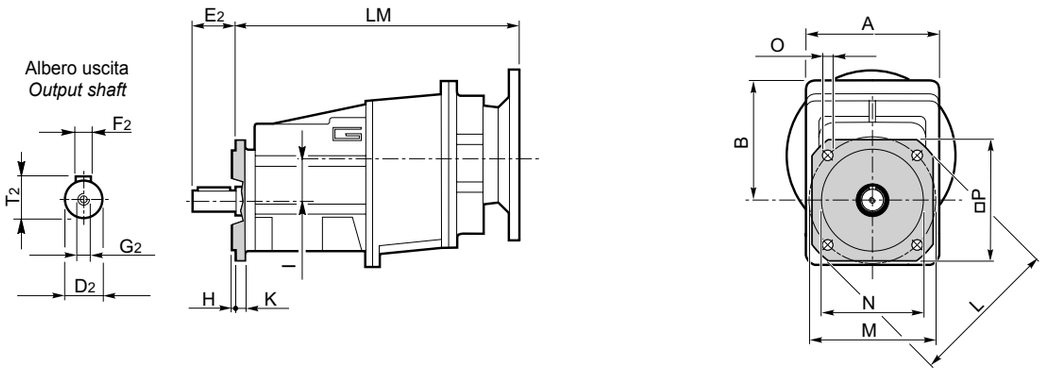
Dimensioni ***Dimensions***

MG..F

MG..2 F..



MG..3 F..



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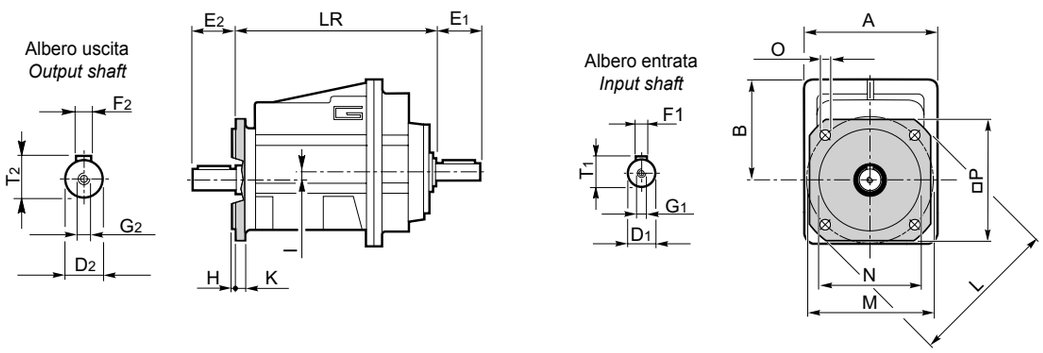
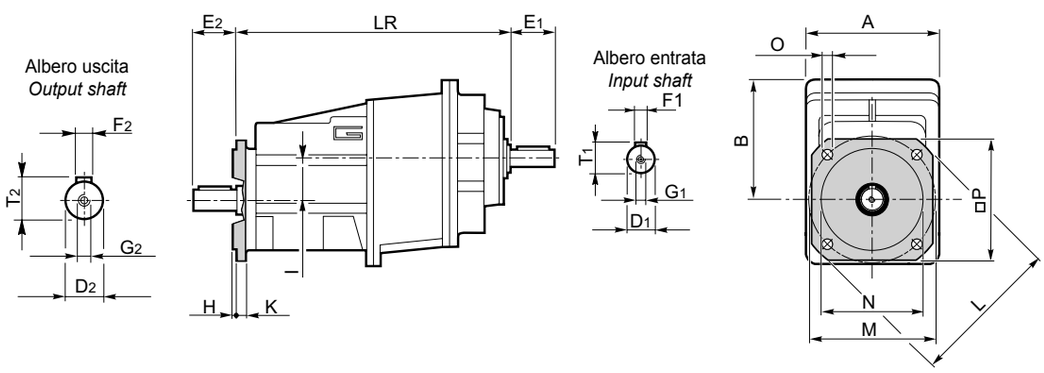
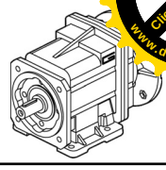


MGIS..3 F..





Dimensioni / *Dimensions*

MG MGIS	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	MG	MGIS
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	40	6	M6	21.5						42.0	42.3

[1] IEC 63/71, [2] IEC 80

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

MG MGIS	Versione **H** / ***H*** Version								Piede / *Foot*		Combinazioni possibili H/F *Possible assembling H/F*						
	P	Q	R	S	U	V	X	Z	Tipo *Type*	Peso / *Weight* [kg]	F105	F120	F140	F160	F200	F250	F300
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	199	18	225	22	155	264	**H155**	5.1						●	●
		156															

Preferenziale / *Preferred*

● Combinazioni possibili H/F / *Possible assembling H/F*

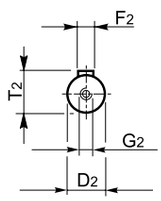
MG MGIS	Versione **F** / ***F*** *Version*							Flangia / *Flange*	
	H	K	L	M	N f7	O	P	Tipo / *Type*	Peso / *Weight* [kg]
002	3.5	7	105	85	70	6.5	90	**F105**	0.1
	3.5	8	120	100	80	7	100	**F120**	0.2
	3.5	8	140	115	95	9	115	**F140**	0.2
012 013	3	9	120	100	80	9	106	**F120**	0.5
	3.5	9	140	115	95	9	115	**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
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

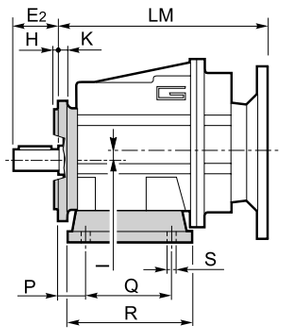
Dimensioni ***Dimensions***

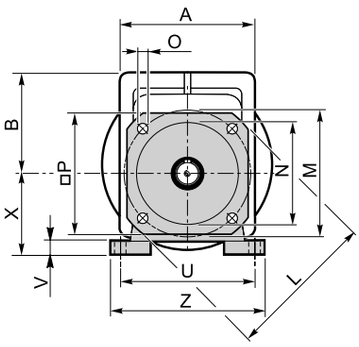
MG..H../F..

MG..2 H../F..

Albero uscita
Output shaft

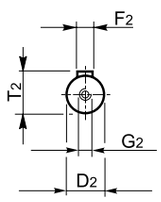


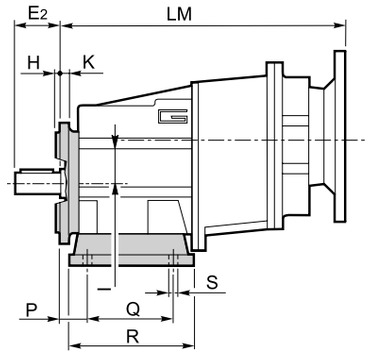


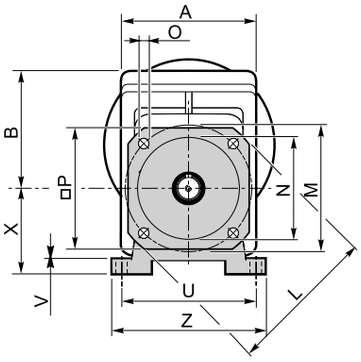


MG..3 H../F..

Albero uscita
Output shaft

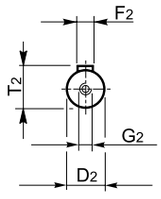


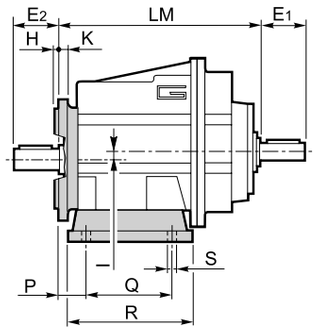




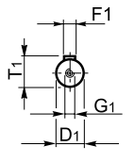
MGIS..2 H../F..

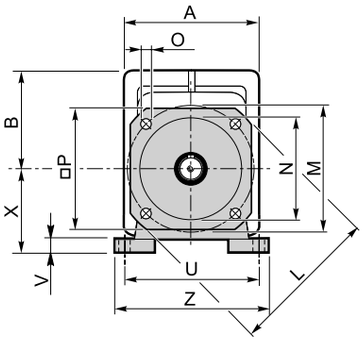
Albero uscita
Output shaft





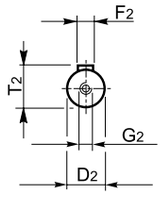
Albero entrata
Input shaft

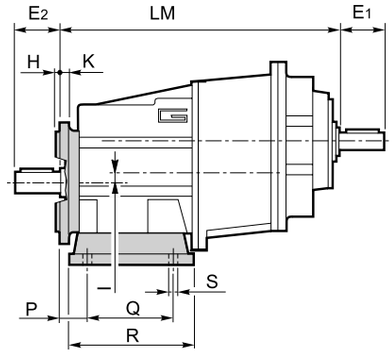




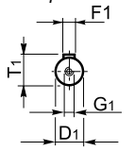
MGIS..3 H../F..

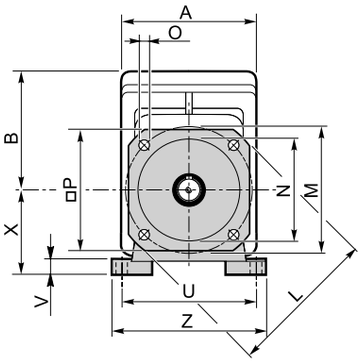
Albero uscita
Output shaft

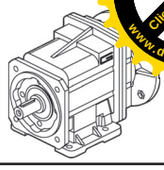




Albero entrata
Input shaft







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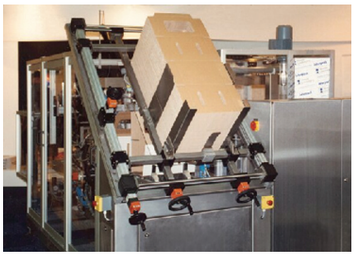


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