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Any questions? Please contact us.

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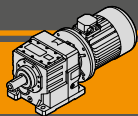
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ITH

Motoriduttori ad ingranaggi cilindrici

Helical in-line gearmotors

Caratteristiche tecniche

I motoriduttori della serie ITH sono dedicati ad applicazioni industriali che presentano carichi particolarmente gravosi. La costruzione robusta con carcassa in ghisa e l'elevata modularità dei diversi kit di entrata e di uscita li rendono adatti ad ogni tipo di applicazione.

Caratteristiche comuni a tutta la serie sono:

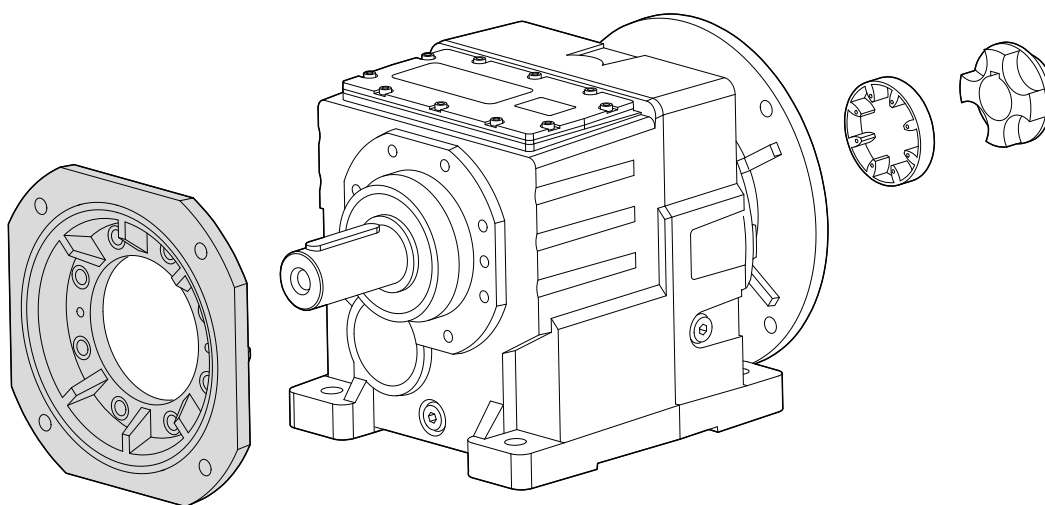
- Costruzione robusta con carcassa in ghisa;
- Elevata modularità;
- Lubrificazione con olio sintetico;
- Accoppiamento al motore tramite giunto elastico.
- Verniciatura a polvere epossidica RAL 7016 di spessore medio 0,10 – 0,15 mm.

Technical features

The ITH gearmotors are intended for heavy duty applications. The robust one pieces casing of the main housing and the modular design of input and output sets increase application flexibility.

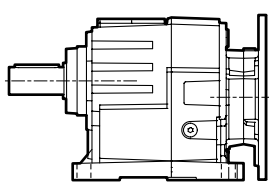
The main features of ITH range are:

- Robust cast iron housings;
- High degree of modularity;
- Lubrication with synthetic oil;
- Coupled to motor with flexible coupling.
- Epoxy powder coating RAL 7016 average thickness 0,10 – 0,15 mm.

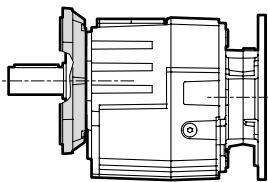


Versioni

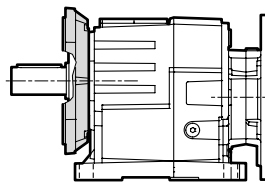
Versions



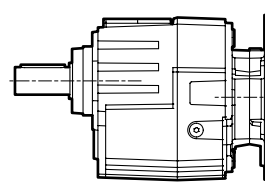
U



F...

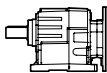


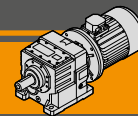
U/F...



G

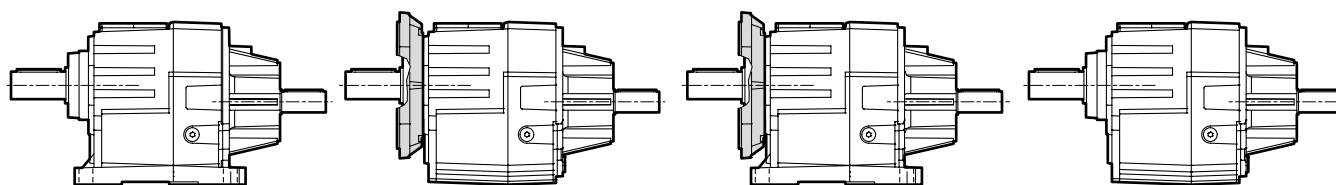
RIDUTTORE / GEARBOX

ITH	12	2	H	26.28	D40	132	B5	M1	CW
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	IEC	Forma costruttiva Version	Pos. di montaggio Mounting position	Dispositivo antiretro Backstop device
ITH 	11 12 13 14	2 3	U F... U/F... G	vedi tabelle see tables	vedi tabelle see tables	71.. — 200..	B5 B14	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)	CW CCW



Designazione

Classification



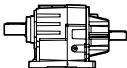
U

F...

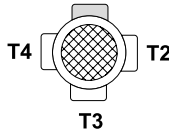
U/F...

G

RIDUTTORE / GEARBOX

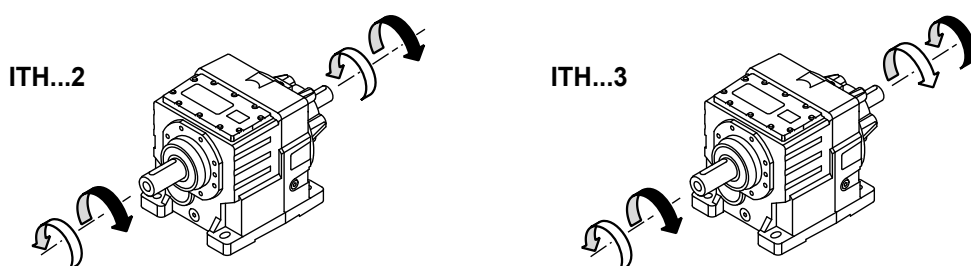
ITHIS	12	2	H	26.28	D40	M1
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	Pos. di montaggio Mounting position
ITHIS 	11 12 13 14	2 3	U F... U/F... G	vedi tabelle see tables	vedi tabelle see tables	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

MOTORE / MOTOR

5.5kW	4p	3ph	230/400V	50Hz	T1
Potenza Power	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsettiera Terminal box pos.
vedi tabelle see tables	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V	50Hz 60Hz	T1 (Std) 

Sensi di rotazione

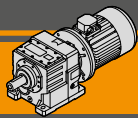
Direction of rotation



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
P_{n1}	[kW]	Potenza nominale in entrata / Nominal input power
M_{n2}	[Nm]	Coppia nominale in uscita in funzione di P_{n1} / Nominal output torque referred to P_{n1}
sf		Fattore di servizio / Service factor
R_1	[N]	Carico radiale ammissibile in entrata / Permitted input radial load
A_1	[N]	Carico assiale ammissibile in entrata / Permitted input axial load
R_2	[N]	Carico radiale ammissibile in uscita / Permitted output radial load
A_2	[N]	Carico assiale ammissibile in uscita / Permitted output axial load



ITH

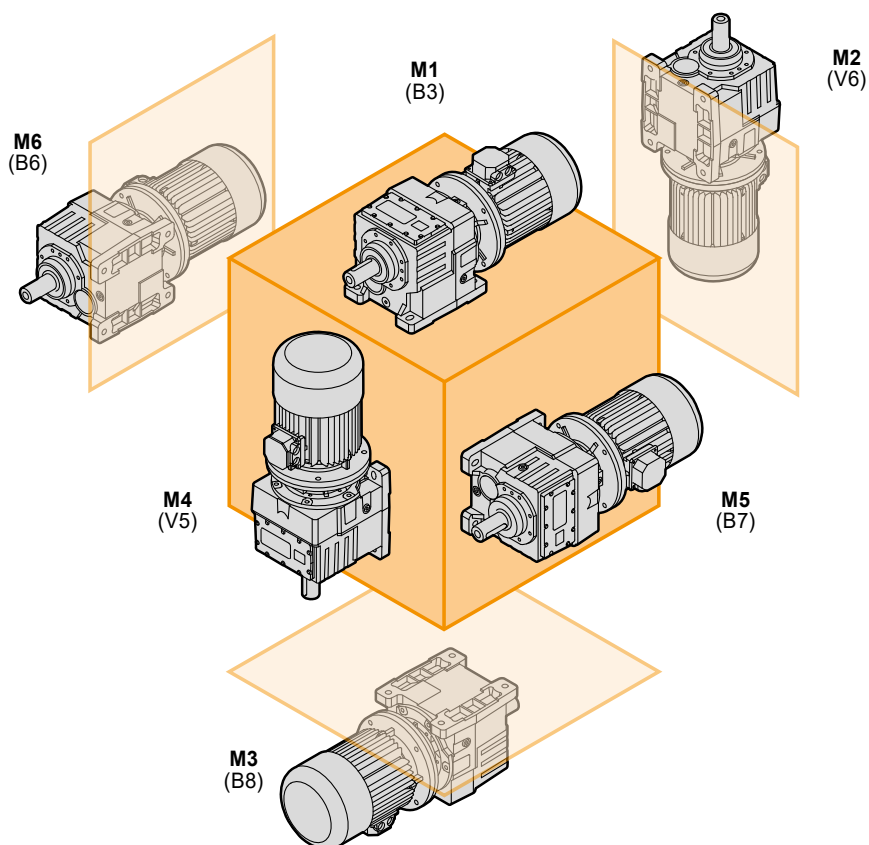
Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Lubrificazione

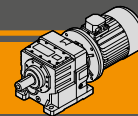
I motoriduttori della serie ITH sono forniti completi di lubrificante sintetico viscosità 320. La quantità di lubrificante dipende dalla posizione di montaggio.

Lubrication

ITH series gearmotors come complete with synthetic lubricant 320 viscosity. The lubricant quantity depends on mounting position.



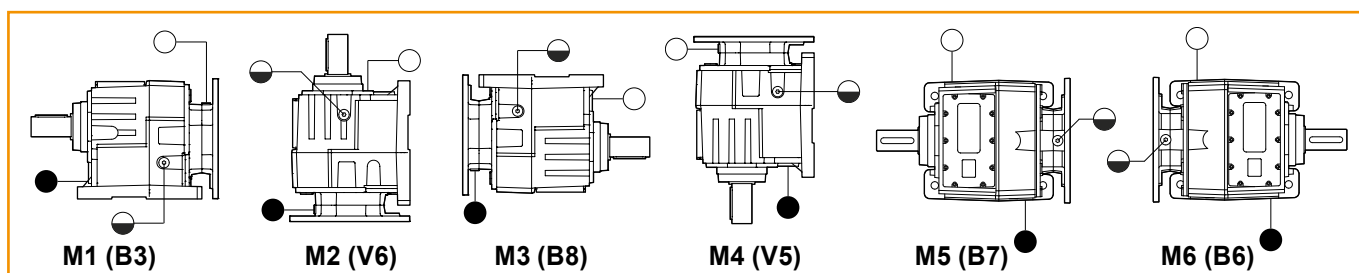
ITH	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	1,1	3,9	3,7	3,4	2,4	2,4
122 123	1,7	5,0	4,3	4,3	3,1	2,9
132 133	4,5	9,5	8,3	8,6	5,9	5,7
142 143	8,1	14,5	11,5	14,4	9,4	9,0



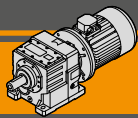
Lubrificazione

Lubrication

ITHIS	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	1,3	4,3	3,9	3,4	2,6	2,6
122 123	1,9	5,4	4,5	4,3	3,3	3,1
132	3,7	10,2	8,7	8,6	6,3	6,1
133	3,5	9,9	8,5		6,1	5,9
142	7,3	15,2	11,9	14,4	9,8	9,4
143	7,1	14,9	11,7		9,6	9,2



- Sfiato e tappo di riempimento / Breather and filling plug
- ◐ Livello olio / Oil level plug
- Tappo di scarico / Oil drain plug



ITH

Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Carichi radiali in entrata

Input Radial loads

ITH 113	n_1 [min ⁻¹]	Potenza motore/ Motor Power [kW]		
		1.1	1.5	1.85
R_1 [N]	1400	1250		
	900	1500		500
	500	1750	-	-

ITH 112 ITH 122 -123 ITH 133 - 143	n_1 [min ⁻¹]	Potenza motore/ Motor Power [kW]			
		2.2	3.0	4.0	5.5
R_1 [N]	1400	1800			750
	900	2100		1200	-
	500	2500	-	-	-

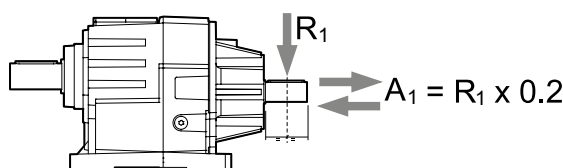
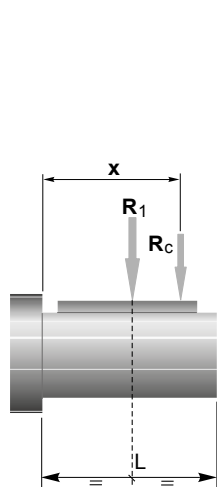
ITH 132 ITH 142	n_1 [min ⁻¹]	Potenza motore/ Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R_1 [N]	1400	3700				2800	1200
	900	4900			3300	650	-
	500	5250	3900	1300	-	-	-

I carichi radiali uscita massimi applicabili sono riportati nelle tabelle precedenti.

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

The radial loads maximum output applicable are indicated in the previous tables.

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:



	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	139	134	139	139	157	139	157	139
b	110	110	110	110	118	110	118	110

$$R_c = \frac{R_1 \cdot a}{(b+x)} \leq R_1$$

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

$$R \leq R_c$$

Carichi radiali in uscita

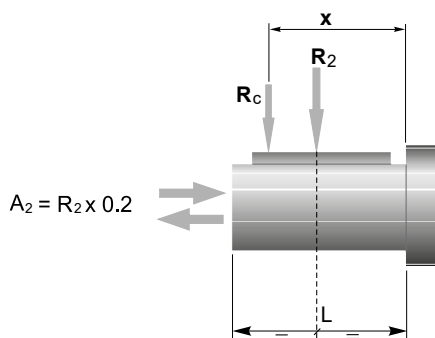
Output Radial loads

I carichi radiali uscita massimi applicabili sono riportati nelle tabelle dati tecnici.

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

The radial loads maximum output applicable are indicated in the technical data table.

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:

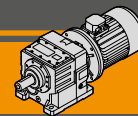


	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	184		208		247		286	
b	149		168		197		226	
R_{2MAX}	8200		12500		18500		22500	

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

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

$$R \leq R_c$$

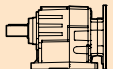


Dati tecnici

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]
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	IEC Motori applicabili IEC Motor adapters
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ITHIS 112

261	350	9.94	5.38	3437
216	350	8.26	6.47	3829
178	400	7.76	7.88	4111
164	400	7.15	8.54	4311
155	420	7.08	9.06	4381
136	420	6.24	10.28	4717
123	480	6.43	11.39	4734
112	480	5.86	12.52	5001
95	500	5.16	14.80	5408
77	530	4.47	18.10	5903
69	530	4.00	20.25	6302
60	600	3.90	23.52	6389
54	600	3.50	26.16	6798
49	650	3.45	28.77	6794
44	680	3.23	32.18	7003
39	680	2.86	36.35	7519
34	680	2.50	41.57	8130
29	600	1.90	48.27	8200
25	600	1.60	57.21	8200

ITH 112

71 B5	80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14
					*
				*	
				*	
				*	
				*	
			*	*	
			*	*	

ITHIS 113

25	700	1.98	55.27	8200
21	700	1.61	67.61	8200
19	700	1.46	74.96	8200
15	700	1.19	91.70	8200
13	700	1.00	108.91	8200
10	700	0.80	136.65	8200
8.5	700	0.67	163.98	8200
8.1	700	0.63	173.44	8200
7.6	700	0.59	185.20	8200
6.9	700	0.54	201.58	8200
6.6	700	0.51	212.17	8200
6.2	700	0.48	226.55	8200
5.7	700	0.44	246.59	8200

ITH 113

71 B5	80 B5	90 B5/B14
		*
		*
		*
		*
		*
		*
	*	*
	*	*

N.B.

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

N.B.

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



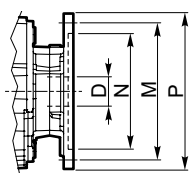
* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.



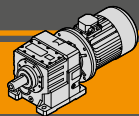
* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	



ITH

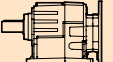
Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Dati tecnici

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]
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	IEC Motori applicabili IEC Motor adapters
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ITHIS 122

271	550	16.25	5.17	4751
209	550	12.56	6.69	5522
180	600	11.76	7.79	5878
159	650	11.25	8.82	6149
139	750	11.36	10.08	6278
123	750	10.09	11.35	6727
105	850	9.76	13.30	6946
88	850	8.15	15.92	7713
82	850	7.59	17.11	8045
72	850	6.66	19.50	8683
65	900	6.41	21.43	8887
58	980	6.24	24.00	9005
53	980	5.70	26.28	9494
48	980	5.09	29.40	10136
43	980	4.63	32.31	10710
40	980	4.22	35.47	11309
34	980	3.58	41.78	12500
31	980	3.27	45.73	12500
28	980	2.97	50.40	12500

ITH 122

80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14
				*
				*
			*	
			*	

ITHIS 123

25	980	2.73	56.00	12500
23	980	2.49	61.31	12500
20	980	2.17	70.53	12500
17	980	1.89	81.00	12500
16	980	1.72	88.68	12500
13	980	1.45	105.23	12500
12	980	1.33	115.21	12500
11	980	1.19	128.73	12500
9.7	980	1.06	144.00	12500
8.9	980	0.97	157.66	12500
7.9	980	0.86	178.10	12500
6.9	980	0.75	203.65	12500
6.5	980	0.71	216.00	12500
5.9	980	0.65	236.49	12500
5.5	980	0.60	256.00	12500
5.0	980	0.55	280.29	12500

ITH 123

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

N.B.

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



* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

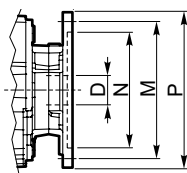
N.B.

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

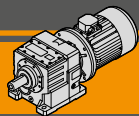


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	



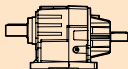
ITH

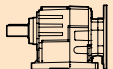
Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Dati tecnici

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]
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	IEC Motori applicabili IEC Motor adapters					
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ITHIS 142

228	1800	44.68	6.15	14955
190	1800	37.40	7.35	16494
158	2000	34.38	8.88	17248
144	2000	31.34	9.75	18150
135	2100	30.99	10.35	18181
120	2100	27.54	11.65	19402
110	2200	26.30	12.78	19769
99	2300	24.95	14.08	20171
85	2300	21.42	16.40	21936
79	2800	24.11	17.73	19026
69	2800	21.12	20.24	20463
54	3200	18.80	25.99	19654
50	3200	17.39	28.10	20514
43	3200	15.11	32.35	22168
38	3200	13.18	37.09	22500
32	3200	11.22	43.57	22500
30	3200	10.32	47.35	22500
27	3200	9.44	51.76	22500

ITH 142

100 B5/B14	112 B5/B14	132 B5/B14	160 B5	180 B5	200 B5
*	*				
*	*				
					*
					*
					*
					*
					*
				*	*
				*	*
				*	*
				*	*

ITHIS 143

23	3500	8.84	61.74	22500
21	3500	8.18	66.73	22500
18	3500	6.87	79.43	22500
16	3500	6.36	85.85	22500
13	3500	4.90	111.40	22500
12	3500	4.53	120.42	22500
11	3500	4.14	131.84	22500
9.5	3500	3.70	147.51	22500
8.6	3500	3.37	162.10	22500
7.9	3500	3.07	177.95	22500
7.2	3500	2.81	193.96	22500
6.7	3500	2.64	209.65	22500
6.1	3500	2.38	229.46	22500
5.5	3500	2.16	252.87	22500

ITH 143

80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14
				*
				*
				*
				*
				*
				*

N.B.

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



* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

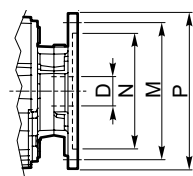
N.B.

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

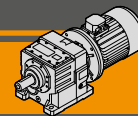


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



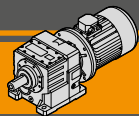
Dimensioni IEC / IEC Dimensions										
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
N	130	130	95	180	110	230	130	250	250	300
M	165	165	115	215	130	265	165	300	300	350
P	200	200	140	250	160	300	200	350	350	400
D	19	24		28		38		42	48	55



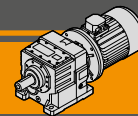
Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
0.25								0.55								
71A4 (1400 min ⁻¹)	54	43	14	26.16	ITH112	B5	8200	80A4 (1400 min ⁻¹)	260	19	18	5.38	ITH112	B5	4411	
	39	60	11	36.35		B5	8200		216	23	15	6.47		B5	4901	
	34	68	10	41.57		B5	8200		178	28	14	7.88		B5	5479	
	29	79	7.6	48.27		B5	8200		164	31	13	8.54		B5	5736	
	24	94	6.4	57.21		B5	8200		155	33	13	9.06		B5	5928	
	25	89	7.9	55.27	ITH113	B5	8200		136	37	11	10.28		B5	6363	
	21	108	6.5	67.61		B5	8200		123	41	12	11.39		B5	6737	
	19	120	5.8	74.96		B5	8200		112	45	11	12.52		B5	7098	
	15	147	4.8	91.70		B5	8200		95	53	9.4	14.80		B5	7783	
	13	175	4.0	108.91		B5	8200		77	65	8.1	18.10		B5	8200	
	10	219	3.2	136.65		B5	8200		69	73	7.3	20.25		B5	8200	
	8.5	263	2.7	163.98		B5	8200		60	85	7.1	23.52		B5	8200	
	8.1	278	2.5	173.44		B5	8200		54	94	6.4	26.16		B5	8200	
	7.6	297	2.4	185.20		B5	8200		49	104	6.3	28.77		B5	8200	
	6.9	323	2.2	201.58		B5	8200		44	116	5.9	32.18		B5	8200	
	6.6	340	2.1	212.17		B5	8200		39	131	5.2	36.35		B5	8200	
	6.2	363	1.9	226.55		B5	8200		34	150	4.5	41.57		B5	8200	
	5.7	395	1.8	246.59		B5	8200		29	174	3.5	48.27		B5	8200	
	24	206	2.9	57.21		B5	8200		25	195	3.6	55.27		ITH113	B5	8200
	7.9	285	3.4	178.10	ITH123	B5	12500		21	238	2.9	67.61	B5		8200	
	6.9	326	3.0	203.65		B5	12500		19	264	2.6	74.96	B5		8200	
	6.5	346	2.8	216.00		B5	12500		15	323	2.2	91.70	B5		8200	
	5.9	379	2.6	236.49		B5	12500		13	384	1.8	108.91	B5		8200	
	5.5	410	2.4	256.00		B5	12500		10	482	1.5	136.65	B5		8200	
	5.0	449	2.2	280.29	B5	12500	8.5		578	1.2	163.98	B5	8200			
	0.37								8.1	612	1.1	173.44	B5		8200	
	71B4 (1400 min ⁻¹)	54	63	9.5	26.16	ITH112	B5		8200	7.6	653	1.1	185.20		B5	8200
39		88	7.7	36.35	B5		8200	6.9	711	1.0	201.58	B5	8200			
34		101	6.8	41.57	B5		8200	6.6	748	0.9	212.17	B5	8200			
29		117	5.1	48.27	B5		8200	53	95	10	26.28	ITH122	B5	12500		
24		139	4.3	57.21	B5		8200	48	106	9.3	29.40		B5	12500		
25		131	5.3	55.27	ITH113	B5	8200	43	116	8.4	32.31		B5	12500		
21		160	4.4	67.61		B5	8200	39	128	7.7	35.47		B5	12500		
19		178	3.9	74.96		B5	8200	34	150	6.5	41.78		B5	12500		
15		218	3.2	91.70		B5	8200	31	165	5.9	45.73	B5	12500			
13		258	2.7	108.91		B5	8200	28	182	5.4	50.40	B5	12500			
10		324	2.2	136.65		B5	8200	25	197	5.0	56.00	ITH123	B5	12500		
8.5		389	1.8	163.98		B5	8200	23	216	4.5	61.31		B5	12500		
8.1		411	1.7	173.44		B5	8200	20	249	3.9	70.53		B5	12500		
7.6		439	1.6	185.20		B5	8200	17	286	3.4	81.00		B5	12500		
6.9		478	1.5	201.58		B5	8200	16	313	3.1	88.68		B5	12500		
6.6		503	1.4	212.17		B5	8200	13	371	2.6	105.23		B5	12500		
6.2		537	1.3	226.55		B5	8200	12	406	2.4	115.21		B5	12500		
5.7		585	1.2	246.59		B5	8200	11	454	2.2	128.73		B5	12500		
7.9		423	2.3	178.10		ITH123	B5	12500	9.7	508	1.9		144.00	B5	12500	
6.9		483	2.0	203.65	B5		12500	8.9	556	1.8	157.66		B5	12500		
6.5		512	1.9	216.00	B5		12500	7.9	628	1.6	178.10		B5	12500		
5.9		561	1.7	236.49	B5		12500	6.9	718	1.4	203.65		B5	12500		
5.5		607	1.6	256.00	B5		12500	6.5	762	1.3	216.00		B5	12500		
5.0		665	1.5	280.29	B5		12500	5.9	834	1.2	236.49	B5	12500			
					B5		12500	5.5	903	1.1	256.00	B5	12500			
							5.0	988	1.0	280.29	B5	12500				

**ITH****Motoriduttori ad ingranaggi cilindrici**
Helical in-line gearmotors**Dati tecnici****Technical data**

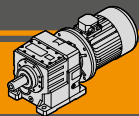
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
0.55								0.75							
80A4 (1400 min ⁻¹)	23	215	8.8	60.92	ITH133	B5	18500	80B4 (1400 min ⁻¹)	25	269	3.6	56.00	ITH123	B5	12500
	22	228	8.3	64.74		B5	18500		23	295	3.3	61.31		B5	12500
	20	250	7.6	70.88		B5	18500		20	339	2.9	70.53		B5	12500
	18	276	6.9	78.38		B5	18500		17	390	2.5	81.00		B5	12500
	16	307	6.2	87.14		B5	18500		16	426	2.3	88.68		B5	12500
	15	337	5.6	95.67		B5	18500		13	506	1.9	105.23		B5	12500
	13	388	4.9	109.93		B5	18500		12	554	1.8	115.21		B5	12500
	12	424	4.5	120.36		B5	18500		11	619	1.6	128.73		B5	12500
	10	475	4.0	134.66		B5	18500		9.7	693	1.4	144.00		B5	12500
	9.5	522	3.6	147.98		B5	18500		8.9	758	1.3	157.66		B5	12500
	8.6	573	3.3	162.45	B5	18500	7.9		856	1.1	178.10	B5	12500		
	7.3	675	2.8	191.39	B5	18500	6.9		979	1.0	203.65	B5	12500		
	6.7	739	2.6	209.48	B5	18500	6.5		1039	0.9	216.00	B5	12500		
	6.1	814	2.3	230.85	B5	18500									
	13	393	8.9	111.40	ITH143	B5	22500		37	185	10	37.71	ITH132	B5	18500
	12	425	8.2	120.42		B5	22500		33	205	9.3	41.80		B5	18500
	11	465	7.5	131.84		B5	22500		31	224	8.5	45.60		B5	18500
	9.5	520	6.7	147.51		B5	22500		28	245	7.8	49.88		B5	18500
	8.6	572	6.1	162.10		B5	22500								
	7.9	628	5.6	177.95		B5	22500		23	293	6.5	60.92	ITH133	B5	18500
7.2	684	5.1	193.96	B5		22500	22	311	6.1	64.74	B5	18500			
6.1	809	4.3	229.46	B5		22500	20	341	5.6	70.88	B5	18500			
5.5	892	3.9	252.87	B5		22500	18	377	5.0	78.38	B5	18500			
							16	419	4.5	87.14	B5	18500			
						15	460	4.1	95.67	B5	18500				
						13	529	3.6	109.93	B5	18500				
						12	579	3.3	120.36	B5	18500				
						10	648	2.9	134.66	B5	18500				
						9.5	712	2.7	147.98	B5	18500				
						8.6	781	2.4	162.45	B5	18500				
						7.3	920	2.1	191.39	B5	18500				
						6.7	1007	1.9	209.48	B5	18500				
						6.1	1110	1.7	230.85	B5	18500				



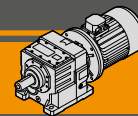
Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
1.1								1.1							
90S4 (1400 min ⁻¹)	260	39	9.0	5.38	ITH112	B5/14	4354	90S4	23	430	4.4	60.92	ITH133	B5/14	18500
	216	47	7.5	6.47		B5/14	4825	(1400 min ⁻¹)	22	457	4.2	64.74		B5/14	18500
	178	57	7.1	7.88		B5/14	5374	20	500	3.8	70.88	B5/14		18500	
	164	62	6.5	8.54		B5/14	5617	18	553	3.4	78.38	B5/14		18500	
	155	65	6.4	9.06		B5/14	5798	16	615	3.1	87.14	B5/14		18500	
	136	74	5.7	10.28		B5/14	6204	15	675	2.8	95.67	B5/14		18500	
	123	82	5.8	11.39		B5/14	6550	13	775	2.5	109.93	B5/14		18500	
	112	90	5.3	12.52		B5/14	6881	12	849	2.2	120.36	B5/14		18500	
	95	107	4.7	14.80		B5/14	7500	10	950	2.0	134.66	B5/14		18500	
	77	130	4.1	18.10		B5/14	8200	9.5	1044	1.8	147.98	B5/14		18500	
	69	146	3.6	20.25		B5/14	8200	8.6	1146	1.7	162.45	B5/14		18500	
	60	169	3.5	23.52		B5/14	8200	7.3	1350	1.4	191.39	B5/14		18500	
	54	188	3.2	26.16		B5/14	8200	6.7	1478	1.3	209.48	B5/14		18500	
	49	207	3.1	28.77		B5/14	8200	6.1	1628	1.2	230.85	B5/14		18500	
	44	232	2.9	32.18		B5/14	8200	ITH143	23	435	8.0	61.74	B5/14	22500	
	39	262	2.6	36.35		B5/14	8200		21	471	7.4	66.73	B5/14	22500	
	34	299	2.3	41.57		B5/14	8200		18	560	6.2	79.43	B5/14	22500	
	29	348	1.7	48.27		B5/14	8200		16	606	5.8	85.85	B5/14	22500	
	24	412	1.5	57.21		B5/14	8200		13	786	4.5	111.40	B5/14	22500	
	25	390	1.8	55.27	ITH113	B5/14	8200		12	849	4.1	120.42	B5/14	22500	
		477	1.5	67.61		B5/14	8200		11	930	3.8	131.84	B5/14	22500	
		529	1.3	74.96		B5/14	8200		9.5	1040	3.4	147.51	B5/14	22500	
		647	1.1	91.70		B5/14	8200		8.6	1143	3.1	162.10	B5/14	22500	
		768	0.9	108.91		B5/14	8200		7.9	1255	2.8	177.95	B5/14	22500	
		159	64	10	8.82	ITH122	B5/14		8152	7.2	1368	2.6	193.96	B5/14	22500
		139	73	10	10.08		B5/14		8778	6.7	1479	2.4	209.65	B5/14	22500
		123	82	9.2	11.35		B5/14		9371	6.1	1618	2.2	229.46	B5/14	22500
		105	96	8.9	13.30		B5/14		10218	5.5	1784	2.0	252.87	B5/14	22500
		88	115	7.4	15.92		B5/14	11257	1.5						
	82	123	6.9	17.11	B5/14		11698	90L4 (1400 min ⁻¹)	260	53	6.6	5.38	ITH112	B5/14	4313
	72	140	6.1	19.50	B5/14		12500		216	64	5.5	6.47		B5/14	4769
	65	154	5.8	21.43	B5/14		12500		178	77	5.2	7.88		B5/14	5299
	58	173	5.7	24.00	B5/14		12500		164	84	4.8	8.54		B5/14	5531
	53	189	5.2	26.28	B5/14		12500		155	89	4.7	9.06		B5/14	5703
	48	212	4.6	29.40	B5/14		12500		136	101	4.2	10.28		B5/14	6088
	43	233	4.2	32.31	B5/14		12500		123	112	4.3	11.39		B5/14	6414
	39	255	3.8	35.47	B5/14		12500		112	123	3.9	12.52		B5/14	6723
	34	301	3.3	41.78	B5/14		12500		95	145	3.4	14.80		B5/14	7294
	31	329	3.0	45.73	B5/14		12500		77	178	3.0	18.10		B5/14	8009
	28	363	2.7	50.40	B5/14		12500		69	199	2.7	20.25		B5/14	8200
	25	395	2.5	56.00	ITH123	B5/14	12500		60	231	2.6	23.52		B5/14	8200
		432	2.3	61.31		B5/14	12500		54	257	2.3	26.16		B5/14	8200
		497	2.0	70.53		B5/14	12500		49	283	2.3	28.77		B5/14	8200
		571	1.7	81.00		B5/14	12500		44	316	2.2	32.18		B5/14	8200
		626	1.6	88.68		B5/14	12500		39	357	1.9	36.35		B5/14	8200
		742	1.3	105.23		B5/14	12500		34	408	1.7	41.57		B5/14	8200
		813	1.2	115.21		B5/14	12500		29	474	1.3	48.27		B5/14	8200
		908	1.1	128.73		B5/14	12500		24	562	1.1	57.21		B5/14	8200
		1016	1.0	144.00		B5/14	12500		ITH113	25	532	1.3	55.27	B5/14	8200
		1112	0.9	157.66		B5/14	12500			21	650	1.1	67.61	B5/14	8200
		55	185	8.7	ITH132	B5/14	18500			19	721	1.0	74.96	B5/14	8200
			198	8.6		B5/14	18500								
			219	7.7		B5/14	18500								
			249	7.6		B5/14	18500								
			272	7.0		B5/14	18500								
			301	6.3		B5/14	18500								
			328	5.8		B5/14	18500								
			359	5.3		B5/14	18500								

**ITH****Motoriduttori ad ingranaggi cilindrici**
Helical in-line gearmotors**Dati tecnici****Technical data**

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
1.5								1.5							
90L4 (1400 min ⁻¹)	271	50	11	5.17	ITH122	B5/14	6002	90L4 (1400 min ⁻¹)	23	594	5.9	61.74	ITH143	B5/14	22500
	209	66	8.4	6.69			6929		21	642	5.5	66.73			22500
	180	77	7.8	7.79			7541		18	764	4.6	79.43			22500
	159	87	7.5	8.82			8073		16	826	4.2	85.85			22500
	139	99	7.6	10.08			8681		13	1072	3.3	111.40			22500
	123	111	6.7	11.35			9253		12	1158	3.0	120.42			22500
	105	131	6.5	13.30			10067		11	1268	2.8	131.84			22500
	88	156	5.4	15.92			11056		9.5	1419	2.5	147.51			22500
	82	168	5.1	17.11			11473		8.6	1559	2.2	162.10			22500
	72	192	4.4	19.50			12254		7.9	1712	2.0	177.95			22500
	65	210	4.3	21.43			12500		7.2	1866	1.9	193.96			22500
	58	236	4.2	24.00			12500		6.7	2016	1.7	209.65			22500
	53	258	3.8	26.28			12500		6.1	2207	1.6	229.46			22500
	48	289	3.4	29.40			12500		5.5	2432	1.4	252.87			22500
	43	317	3.1	32.31			12500								
	39	348	2.8	35.47			12500								
	34	410	2.4	41.78			12500								
	31	449	2.2	45.73			12500								
	28	495	2.0	50.40			12500								
	25	539	1.8	56.00	ITH123	B5/14	12500	90LB4 (1400 min ⁻¹)	260	65	5.4	5.38	ITH112	B5/14	4276
	23	590	1.7	61.31			12500		216	78	4.5	6.47			4721
	20	678	1.4	70.53			12500		178	95	4.2	7.88			5232
	17	779	1.3	81.00			12500		164	103	3.9	8.54			5455
	16	853	1.1	88.68			12500		155	110	3.8	9.06			5620
	13	1012	1.0	105.23	ITH132	B5/14	12500		136	125	3.4	10.28		B5/14	5987
	155	89	10	9.03			18500		123	138	3.5	11.39			6295
	136	101	9.4	10.30			18500		112	152	3.2	12.52			6584
	127	108	8.8	11.01			18500		95	179	2.8	14.80			7113
	113	122	9.9	12.39			18500		77	219	2.4	18.10			7761
	95	145	8.3	14.80			18500		69	245	2.2	20.25			8120
	93	148	8.8	15.11			18500		60	285	2.1	23.52			8200
	75	184	8.2	18.69			18500		54	317	1.9	26.16			8200
	69	199	8.0	20.31			18500		49	349	1.9	28.77			8200
	55	252	6.4	25.65			18500		44	390	1.7	32.18			8200
	51	270	6.3	27.48			18500		39	440	1.5	36.35			8200
	46	299	5.7	30.46			18500		34	504	1.4	41.57			8200
	40	340	5.6	34.61			18500		29	585	1.0	48.27			8200
	37	370	5.1	37.71			18500		25	656	1.1	55.27	ITH113	B5/14	8200
	33	411	4.6	41.80			18500		271	61	9.0	5.17			
	31	448	4.2	45.60			18500		209	81	6.8	6.69			
	28	490	3.9	49.88			18500		180	94	6.4	7.79			
	23	586	3.2	60.92			18500		159	107	6.1	8.82	ITH122	B5/14	5973
23	22	623	3.1	64.74	ITH133	B5/14	18500		139	122	6.1	10.08			6884
	20	682	2.8	70.88			18500		123	137	5.5	11.35			7485
	18	754	2.5	78.38			18500		105	161	5.3	13.30			8004
	16	838	2.3	87.14			18500		88	193	4.4	15.92			8595
	15	920	2.1	95.67			18500		82	207	4.1	17.11			9150
	13	1057	1.8	109.93			18500		72	236	3.6	19.50			9935
	12	1158	1.6	120.36			18500		65	260	3.5	21.43			10880
	10	1295	1.5	134.66			18500		58	291	3.4	24.00			11276
	9.5	1423	1.3	147.98			18500		53	318	3.1	26.28			12012
	8.6	1562	1.2	162.45			18500		48	356	2.8	29.40			12500
	7.3	1841	1.0	191.39			18500		43	391	2.5	32.31			12500
							18500		39	430	2.3	35.47			12500
							18500		34	506	1.9	41.78			12500
							18500		31	554	1.8	45.73			12500
							18500		28	611	1.6	50.40			12500
							18500		25	664	1.5	56.00	ITH123	B5/14	12500
							18500		23	727	1.3	61.31			12500
							18500		20	837	1.2	70.53			12500
							18500		17	961	1.0	81.00			12500
							18500		16	1052	0.9	88.68			12500

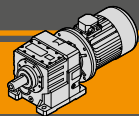


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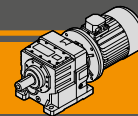
Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]		
1.85								2.2									
90LB4 (1400 min ⁻¹)	155	109	8.2	9.03	ITH132	B5/14	18500	100LA4 (1400 min ⁻¹)	271	73	7.5	5.17	ITH122	B5/14	5944		
	136	125	7.6	10.30		B5/14	18500		209	96	5.7	6.69		B5/14	6840		
	127	133	7.1	11.01		B5/14	18500		180	112	5.3	7.79		B5/14	7428		
	113	150	8.0	12.39		B5/14	18500		159	127	5.1	8.82		B5/14	7935		
	95	179	6.7	14.80		B5/14	18500		139	145	5.2	10.08		B5/14	8510		
	93	183	7.1	15.11		B5/14	18500		123	164	4.6	11.35		B5/14	9047		
	75	226	6.6	18.69		B5/14	18500		105	192	4.4	13.30		B5/14	9803		
	69	246	6.5	20.31		B5/14	18500		88	229	3.7	15.92		B5/14	10704		
	55	311	5.1	25.65		B5/14	18500		82	247	3.4	17.11		B5/14	11079		
	51	333	5.1	27.48		B5/14	18500		72	281	3.0	19.50		B5/14	11770		
	46	369	4.6	30.46		B5/14	18500		65	309	2.9	21.43		B5/14	12276		
	40	419	4.5	34.61		B5/14	18500		58	346	2.8	24.00		B5/14	12500		
	37	457	4.2	37.71		B5/14	18500		53	379	2.6	26.28		B5/14	12500		
	33	506	3.8	41.80		B5/14	18500		48	424	2.3	29.40		B5/14	12500		
	31	552	3.4	45.60		B5/14	18500		43	465	2.1	32.31		B5/14	12500		
	28	604	3.1	49.88		B5/14	18500		39	511	1.9	35.47		B5/14	12500		
							34		602	1.6	41.78	B5/14		12500			
							31		659	1.5	45.73	B5/14		12500			
							28		726	1.3	50.40	B5/14		12500			
	23	723	2.6	60.92	ITH133	B5/14	18500							ITH123	B5/14	12500	
	22	768	2.5	64.74		B5/14	18500		25	790	1.2	56.00	B5/14		12500		
	20	841	2.3	70.88		B5/14	18500		23	865	1.1	61.31	B5/14		12500		
	18	930	2.0	78.38		B5/14	18500		20	995	1.0	70.53	B5/14		12500		
	16	1034	1.8	87.14		B5/14	18500								ITH132	B5/14	18500
	15	1135	1.7	95.67		B5/14	18500		155	130	6.9	9.03	B5/14	18500			
	13	1304	1.5	109.93		B5/14	18500		136	148	6.4	10.30	B5/14	18500			
	12	1428	1.3	120.36		B5/14	18500		127	159	6.0	11.01	B5/14	18500			
	10	1597	1.2	134.66	B5/14	18500	113		179	6.7	12.39	B5/14	18500				
	9.5	1755	1.1	147.98	B5/14	18500	95		213	5.6	14.80	B5/14	18500				
	8.6	1927	1.0	162.45	B5/14	18500	93		218	6.0	15.11	B5/14	18500				
							75		269	5.6	18.69	B5/14	18500				
	23	732	4.8	61.74	ITH143	B5/14	22500		69	293	5.5	20.31	B5/14	18500			
	21	792	4.4	66.73		B5/14	22500		55	370	4.3	25.65	B5/14	18500			
	18	942	3.7	79.43		B5/14	22500		51	396	4.3	27.48	B5/14	18500			
	16	1018	3.4	85.85		B5/14	22500		46	439	3.9	30.46	B5/14	18500			
	13	1322	2.6	111.40		B5/14	22500		40	499	3.8	34.61	B5/14	18500			
	12	1428	2.5	120.42		B5/14	22500		37	543	3.5	37.71	B5/14	18500			
	11	1564	2.2	131.84		B5/14	22500		33	602	3.2	41.80	B5/14	18500			
	9.5	1750	2.0	147.51		B5/14	22500		31	657	2.9	45.60	B5/14	18500			
	8.6	1923	1.8	162.10		B5/14	22500		28	719	2.6	49.88	B5/14	18500			
	7.9	2111	1.7	177.95		B5/14	22500								ITH133	B5/14	18500
	7.2	2301	1.5	193.96		B5/14	22500		23	859	2.2	60.92	B5/14	18500			
	6.7	2487	1.4	209.65		B5/14	22500		22	913	2.1	64.74	B5/14	18500			
	6.1	2722	1.3	229.46		B5/14	22500		20	1000	1.9	70.88	B5/14	18500			
	5.5	3000	1.2	252.87		B5/14	22500		18	1106	1.7	78.38	B5/14	18500			
									16	1229	1.5	87.14	B5/14	18500			
									15	1350	1.4	95.67	B5/14	18500			
							13	1551	1.2	109.93	B5/14	18500					
							12	1698	1.1	120.36	B5/14	18500					
						10	1900	1.0	134.66	B5/14	18500						
												ITH142	B5/14	22500			
													B5/14	22500			
													B5/14	22500			
													B5/14	22500			
													B5/14	22500			
													B5/14	22500			
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													B5/14	22500			
													B5/14	22500			
													B5/14	22500			
													B5/14	22500			

2.2																		
100LA4 (1400 min ⁻¹)	260	77	4.5	5.38	ITH112	B5/14	4240	100LA4 (1400 min ⁻¹)	216	93	3.8	6.47	ITH112	B5/14	4672			
	178	113	3.5	7.88		B5/14	5166		178	113	3.5	7.88		B5/14	5166			
	164	123	3.3	8.54		B5/14	5379		164	123	3.3	8.54		B5/14	5379			
	155	131	3.2	9.06		B5/14	5537		155	131	3.2	9.06		B5/14	5537			
	136	148	2.8	10.28		B5/14	5886		136	148	2.8	10.28		B5/14	5886			
	123	164	2.9	11.39		B5/14	6175		123	164	2.9	11.39		B5/14	6175			
	112	180	2.7	12.52		B5/14	6446		112	180	2.7	12.52		B5/14	6446			
	95	213	2.3	14.80		B5/14	6933		95	213	2.3	14.80		B5/14	6933			
	77	261	2.0	18.10		B5/14	7513		77	261	2.0	18.10		B5/14	7513			
	69	292	1.8	20.25		B5/14	7823		69	292	1.8	20.25		B5/14	7823			
	60	339	1.8	23.52		B5/14	8200		60	339	1.8	23.52		B5/14	8200			
	54	377	1.6	26.16		B5/14	8200		54	377	1.6	26.16		B5/14	8200			
	49	414	1.6	28.77		B5/14	8200		49	414	1.6	28.77		B5/14	8200			
	44	464	1.5	32.18		B5/14	8200		44	464	1.5	32.18		B5/14	8200			
	39	524	1.3	36.35		B5/14	8200		39	524	1.3	36.35		B5/14	8200			
	34	599	1.1	41.57		B5/14	8200		34	599	1.1	41.57		B5/14	8200			

**ITH****Motoriduttori ad ingranaggi cilindrici**
Helical in-line gearmotors**Dati tecnici****Technical data**

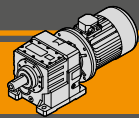
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
2.2								3.0								
100LA4 (1400 min ⁻¹)	23	871	4.0	61.74	ITH143	B5/14	22500	100LB4 (1400 min ⁻¹)	155	177	5.1	9.03	ITH132	B5/14	18500	
	21	941	3.7	66.73		B5/14	22500		136	202	4.7	10.30		B5/14	18500	
	18	1120	3.1	79.43		B5/14	22500		127	216	4.4	11.01		B5/14	18500	
	16	1211	2.9	85.85		B5/14	22500		113	243	4.9	12.39		B5/14	18500	
	13	1572	2.2	111.40		B5/14	22500		95	291	4.1	14.80		B5/14	18500	
	12	1699	2.1	120.42		B5/14	22500		93	297	4.4	15.11		B5/14	18500	
	11	1860	1.9	131.84		B5/14	22500		75	367	4.1	18.69		B5/14	18500	
	9.5	2081	1.7	147.51		B5/14	22500		69	399	4.0	20.31		B5/14	18500	
	8.6	2287	1.5	162.10		B5/14	22500		55	504	3.2	25.65		B5/14	18500	
	7.9	2510	1.4	177.95		B5/14	22500		51	540	3.1	27.48		B5/14	18500	
	7.2	2736	1.3	193.96		B5/14	22500		46	598	2.8	30.46		B5/14	18500	
	6.7	2957	1.2	209.65		B5/14	22500		40	680	2.8	34.61		B5/14	18500	
	6.1	3237	1.1	229.46		B5/14	22500		37	741	2.6	37.71		B5/14	18500	
	5.5	3567	1.0	252.87		B5/14	22500		33	821	2.3	41.80		B5/14	18500	
3.0								3.0								
100LB4 (1400 min ⁻¹)	260	106	3.3	5.38	ITH112	B5/14	4157	112M4 (1400 min ⁻¹)	23	1172	1.6	60.92	ITH133	B5/14	18500	
	216	127	2.8	6.47		B5/14	4561		22	1245	1.5	64.74		B5/14	18500	
	178	155	2.6	7.88		B5/14	5014		20	1363	1.4	70.88		B5/14	18500	
	164	168	2.4	8.54		B5/14	5207		18	1508	1.3	78.38		B5/14	18500	
	155	178	2.4	9.06		B5/14	5348		16	1676	1.1	87.14		B5/14	18500	
	136	202	2.1	10.28		B5/14	5654		15	1840	1.0	95.67		B5/14	18500	
	123	224	2.1	11.39		B5/14	5903		ITH142	ITH142	B5/14	22500		B5/14	22500	
	112	246	2.0	12.52		B5/14	6130									
	95	291	1.7	14.80		B5/14	6521									
	77	356	1.5	18.10		B5/14	6946									
	69	398	1.3	20.25		B5/14	7146									
	60	462	1.3	23.52		B5/14	7350									
	54	514	1.2	26.16		B5/14	7437									
	49	565	1.2	28.77		B5/14	7459									
	44	632	1.1	32.18		B5/14	7402									
	39	714	1.0	36.35		B5/14	7212									
	271	99	5.5	5.17	ITH122	B5/14	5878		ITH143	ITH143	B5/14	22500		B5/14	22500	
	209	131	4.2	6.69		B5/14	6738									
	180	153	3.9	7.79		B5/14	7298									
	159	173	3.8	8.82		B5/14	7777									
	139	198	3.8	10.08		B5/14	8315									
	123	223	3.4	11.35		B5/14	8812									
	105	261	3.3	13.30		B5/14	9500									
	88	313	2.7	15.92		B5/14	10302									
	82	336	2.5	17.11		B5/14	10628									
	72	383	2.2	19.50		B5/14	11215									
	65	421	2.1	21.43		B5/14	11633									
	58	471	2.1	24.00		B5/14	12118									
	53	516	1.9	26.28		B5/14	12487									
	48	578	1.7	29.40		B5/14	12500									
	43	635	1.5	32.31		B5/14	12500									
	39	697	1.4	35.47		B5/14	12500									
	34	821	1.2	41.78		B5/14	12500									
	31	898	1.1	45.73		B5/14	12500									
	28	990	1.0	50.40		B5/14	12500									
	25	1077	0.9	56.00	ITH123	B5/14	12500									
4.0								4.0								
112M4 (1400 min ⁻¹)	260	141	2.5	5.38	ITH112	B5/14	4053	112M4 (1400 min ⁻¹)	260	141	2.5	5.38	ITH112	B5/14	4053	
	216	169	2.1	6.47		B5/14	4422		216	169	2.1	6.47		B5/14	4422	
	178	206	1.9	7.88		B5/14	4824		178	206	1.9	7.88		B5/14	4824	
	164	224	1.8	8.54		B5/14	4991		164	224	1.8	8.54		B5/14	4991	
	155	237	1.8	9.06		B5/14	5111		155	237	1.8	9.06		B5/14	5111	
	136	269	1.6	10.28		B5/14	5365		136	269	1.6	10.28		B5/14	5365	
	123	298	1.6	11.39		B5/14	5563		123	298	1.6	11.39		B5/14	5563	
	112	328	1.5	12.52		B5/14	5735		112	328	1.5	12.52		B5/14	5735	
	95	388	1.3	14.80		B5/14	6005		95	388	1.3	14.80		B5/14	6005	
	77	474	1.1	18.10		B5/14	6237		77	474	1.1	18.10		B5/14	6237	
	69	530	1.0	20.25		B5/14	6299		69	530	1.0	20.25		B5/14	6299	
	60	616	1.0	23.52		B5/14	6277		60	616	1.0	23.52		B5/14	6277	



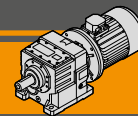
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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
4.0								5.5							
112M4 (1400 min ⁻¹)	271	133	4.1	5.17	ITH122	B5/14	5795	132S4 (1400 min ⁻¹)	260	194	1.8	5.38	ITH112	B5/B14	3898
	209	175	3.1	6.69		B5/14	6611		216	233	1.5	6.47		B5/B14	4213
	180	204	2.9	7.79		B5/14	7136		178	284	1.4	7.88		B5/B14	4539
	159	231	2.8	8.82		B5/14	7580		164	308	1.3	8.54		B5/B14	4667
	139	264	2.8	10.08		B5/14	8072		155	326	1.3	9.06		B5/B14	4756
	123	297	2.5	11.35		B5/14	8518		136	370	1.1	10.28		B5/B14	4930
	105	348	2.4	13.30		B5/14	9122		123	410	1.2	11.39		B5/B14	5052
	88	417	2.0	15.92		B5/14	9800		112	451	1.1	12.52		B5/B14	5142
	82	448	1.9	17.11		B5/14	10065		ITH122	271	182	3.0	5.17	B5/B14	5671
	72	511	1.7	19.50		B5/14	10523			209	241	2.3	6.69	B5/B14	6420
	65	561	1.6	21.43		B5/14	10828			180	281	2.1	7.79	B5/B14	6893
	58	629	1.6	24.00		B5/14	11156			159	318	2.0	8.82	B5/B14	7284
	53	688	1.4	26.28		B5/14	11377			139	363	2.1	10.08	B5/B14	7706
	48	770	1.3	29.40		B5/14	11583			123	409	1.8	11.35	B5/B14	8077
	43	846	1.2	32.31		B5/14	11683			105	479	1.8	13.30	B5/B14	8555
	39	929	1.1	35.47		B5/14	11701			88	573	1.5	15.92	B5/B14	9047
	34	1095	0.9	41.78		B5/14	11474			82	616	1.4	17.11	B5/B14	9220
	155	237	3.8	9.03	ITH132	B5/14	18353	72		702	1.2	19.50	B5/B14	9484	
	136	270	3.5	10.30		B5/14	18500	65		772	1.2	21.43	B5/B14	9622	
	127	288	3.3	11.01		B5/14	18500	58		864	1.1	24.00	B5/B14	9712	
	113	325	3.7	12.39		B5/14	18500	53		946	1.0	26.28	B5/B14	9710	
	95	388	3.1	14.80		B5/14	18500	48		1059	0.9	29.40	B5/B14	9593	
	93	396	3.3	15.11		B5/14	18500	ITH132	278	178	4.8	5.03	B5/B14	13316	
	75	490	3.1	18.69		B5/14	18500		230	219	3.9	6.09	B5/B14	14674	
	69	532	3.0	20.31		B5/14	18500		203	249	3.6	6.91	B5/B14	15633	
	55	672	2.4	25.65		B5/14	18500		186	270	3.3	7.51	B5/B14	16290	
	51	720	2.4	27.48		B5/14	18500		167	301	3.0	8.36	B5/B14	17159	
	46	798	2.1	30.46		B5/14	18500		155	325	2.8	9.03	B5/B14	17797	
	40	907	2.1	34.61		B5/14	18500		136	371	2.6	10.30	B5/B14	18500	
	37	988	1.9	37.71		B5/14	18500		127	396	2.4	11.01	B5/B14	18500	
	33	1095	1.7	41.80		B5/14	18500		113	446	2.7	12.39	B5/B14	18500	
	31	1194	1.6	45.60		B5/14	18500		95	533	2.3	14.80	B5/B14	18500	
	28	1306	1.5	49.88		B5/14	18500		93	544	2.4	15.11	B5/B14	18500	
	23	1562	1.2	60.92	ITH133	B5/14	18500		75	673	2.2	18.69	B5/B14	18500	
	22	1660	1.1	64.74		B5/14	18500		69	731	2.2	20.31	B5/B14	18500	
	20	1818	1.0	70.88		B5/14	18500		55	924	1.7	25.65	B5/B14	18500	
	18	2010	0.9	78.38		B5/14	18500	51	990	1.7	27.48	B5/B14	18500		
	110	335	6.6	12.78	ITH142	B5/14	22500	46	1097	1.5	30.46	B5/B14	18500		
	99	369	6.2	14.08		B5/14	22500	40	1246	1.5	34.61	B5/B14	18500		
	85	429	5.4	16.40		B5/14	22500	37	1358	1.4	37.71	B5/B14	18500		
	69	530	5.3	20.24		B5/14	22500	33	1506	1.3	41.80	B5/B14	18500		
	54	681	4.7	25.99		B5/14	22500	31	1642	1.2	45.60	B5/B14	18500		
	43	847	3.8	32.35		B5/14	22500	28	1796	1.1	49.88	B5/B14	18500		
	32	1141	2.8	43.57		B5/14	22500	ITH142	228	217	8.3	6.15	B5/B14	21811	
	30	1240	2.6	47.35		B5/14	22500		190	265	6.8	7.35	B5/B14	22500	
	27	1356	2.4	51.76		B5/14	22500		158	320	6.3	8.88	B5/B14	22500	
	23	1583	2.2	61.74	ITH143	B5/14	22500		144	351	5.7	9.75	B5/B14	22500	
	21	1712	2.0	66.73		B5/14	22500		135	373	5.6	10.35	B5/B14	22500	
	18	2037	1.7	79.43		B5/14	22500		120	419	5.0	11.65	B5/B14	22500	
	16	2202	1.6	85.85		B5/14	22500		110	460	4.8	12.78	B5/B14	22500	
	13	2857	1.2	111.40		B5/14	22500		99	507	4.5	14.08	B5/B14	22500	
	12	3088	1.1	120.42		B5/14	22500		85	591	3.9	16.40	B5/B14	22500	
	11	3381	1.0	131.84		B5/14	22500		79	639	4.4	17.73	B5/B14	22500	
						B5/14	22500		69	729	3.8	20.24	B5/B14	22500	
						B5/14	22500		54	936	3.4	25.99	B5/B14	22500	
					B5/14	22500	50		1012	3.2	28.10	B5/B14	22500		
					B5/14	22500	43		1165	2.7	32.35	B5/B14	22500		
					B5/14	22500	38		1336	2.4	37.09	B5/B14	22500		
					B5/14	22500	32		1569	2.0	43.57	B5/B14	22500		
					B5/14	22500	30		1705	1.9	47.35	B5/B14	22500		
					B5/14	22500	27		1864	1.7	51.76	B5/B14	22500		

**ITH****Motoriduttori ad ingranaggi cilindrici**
Helical in-line gearmotors**Dati tecnici****Technical data**

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
5.5								9.2								
132S4 (1400 min ⁻¹)	23	2177	1.6	61.74	ITH143	B5/B14	22500	132L4 (1400 min ⁻¹)	260	324	1.1	5.38	ITH112	B5/B14	3514	
	21	2353	1.5	66.73		B5/B14	22500		271	305	1.8	5.17	ITH122	B5/B14	5364	
	18	2801	1.2	79.43		B5/B14	22500		209	403	1.4	6.69		B5/B14	5949	
	16	3028	1.2	85.85		B5/B14	22500		180	469	1.3	7.79		B5/B14	6293	
7.5									159	531	1.2	8.82		B5/B14	6554	
132MA4 (1400 min ⁻¹)	139	607	1.2	10.08	ITH112	B5/B14	22500		139	607	1.2	10.08	ITH132	B5/B14	6805	
	123	684	1.1	11.35		B5/B14	22500		123	684	1.1	11.35		B5/B14	6989	
	105	801	1.1	13.30		B5/B14	22500		105	801	1.1	13.30		B5/B14	7157	
									278	297	2.9	5.03		B5/B14	12784	
	271	249	2.2	5.17	ITH122	B5/B14	5505		230	367	2.3	6.09	ITH132	B5/B14	13938	
	209	328	1.7	6.69		B5/B14	6166		203	416	2.2	6.91		B5/B14	14736	
	180	383	1.6	7.79		B5/B14	6569		186	452	2.0	7.51		B5/B14	15266	
	159	433	1.5	8.82		B5/B14	6890		167	504	1.8	8.36		B5/B14	15945	
	139	495	1.5	10.08	ITH122	B5/B14	7219		155	544	1.7	9.03	ITH132	B5/B14	16426	
	123	557	1.3	11.35		B5/B14	7489		136	621	1.5	10.30		B5/B14	17221	
	105	653	1.3	13.30		B5/B14	7800		127	663	1.4	11.01		B5/B14	17599	
	88	782	1.1	15.92		B5/B14	8042		113	747	1.6	12.39		B5/B14	18229	
	82	840	1.0	17.11	ITH122	B5/B14	8094		95	892	1.3	14.80	ITH132	B5/B14	18500	
									93	910	1.4	15.11		B5/B14	18500	
									75	1126	1.3	18.69		B5/B14	18500	
									69	1223	1.3	20.31		B5/B14	18500	
	278	242	3.5	5.03	ITH132	B5/B14	13028		55	1545	1.0	25.65	ITH142	B5/B14	18500	
	230	299	2.8	6.09		B5/B14	14276		51	1656	1.0	27.48		B5/V14	18104	
	203	339	2.7	6.91		B5/B14	15148									
	186	369	2.4	7.51		B5/B14	15736		228	363	5.0	6.15		B5/B14	21179	
	167	411	2.2	8.36	ITH132	B5/B14	16503		190	443	4.1	7.35	ITH142	B5/B14	22500	
	155	444	2.0	9.03		B5/B14	17056		158	535	3.7	8.88		B5/B14	22500	
	136	506	1.9	10.30		B5/B14	17997		144	587	3.4	9.75		B5/B14	22500	
	127	541	1.8	11.01		B5/B14	18461		135	623	3.4	10.35		B5/B14	22500	
	113	609	2.0	12.39	ITH132	B5/B14	18500		120	702	3.0	11.65	ITH142	B5/B14	22500	
	95	727	1.7	14.80		B5/B14	18500		110	770	2.9	12.78		B5/B14	22500	
	93	742	1.8	15.11		B5/B14	18500		99	848	2.7	14.08		B5/B14	22500	
	75	918	1.6	18.69		B5/B14	18500		85	988	2.3	16.40		B5/B14	22500	
	69	997	1.6	20.31	ITH132	B5/B14	18500		79	1068	2.6	17.73	ITH142	B5/B14	22500	
	55	1260	1.3	25.65		B5/B14	18500		69	1219	2.3	20.24		B5/B14	22500	
	51	1350	1.3	27.48		B5/B14	18500		54	1566	2.0	25.99		B5/B14	22500	
	46	1496	1.1	30.46		B5/B14	18500		50	1693	1.9	28.10		B5/B14	22500	
	40	1700	1.1	34.61	ITH132	B5/B14	18500		43	1949	1.6	32.35	ITH142	B5/B14	22500	
	37	1852	1.0	37.71		B5/B14	18500		38	2234	1.4	37.09		B5/B14	22500	
									32	2625	1.2	43.57		B5/B14	22500	
									30	2853	1.1	47.35		B5/B14	22500	
228	296	6.1	6.15	ITH142	B5/B14	21469		27	3118	1.0	51.76	ITH143	B5/B14	22500		
190	361	5.0	7.35		B5/B14	22500										
158	436	4.6	8.88		B5/B14	22500										
144	479	4.2	9.75		B5/B14	22500										
135	508	4.1	10.35	ITH142	B5/B14	22500										
120	572	3.7	11.65		B5/B14	22500										
110	627	3.5	12.78		B5/B14	22500										
99	691	3.3	14.08		B5/B14	22500										
85	805	2.9	16.40	ITH143	B5/B14	22500										
79	871	3.2	17.73		B5/B14	22500										
69	994	2.8	20.24		B5/B14	22500										
54	1277	2.5	25.99		B5/B14	22500										
50	1380	2.3	28.10	ITH143	B5/B14	22500										
43	1589	2.0	32.35		B5/B14	22500										
38	1821	1.8	37.09		B5/B14	22500										
32	2140	1.5	43.57		B5/B14	22500										
30	2326	1.4	47.35	ITH143	B5/B14	22500										
27	2542	1.3	51.76		B5/B14	22500										
23	2969	1.2	61.74		ITH143	B5/B14	22500									
21	3209	1.1	66.73	B5/B14		22500										
								11.0								
								160M4 (1400 min ⁻¹)	278	355	2.4	5.03	ITH132	B5	12525	
									230	439	1.9	6.09		B5	13580	
									203	498	1.8	6.91		B5	14299	
									186	541	1.7	7.51		B5	14768	
									167	602	1.5	8.36	ITH132	B5	15355	
									155	650	1.4	9.03		B5	15759	
									136	742	1.3	10.30		B5	16398	
									127	793	1.2	11.01		B5	16686	
									113	893	1.3	12.39	ITH132	B5	17128	
									95	1066	1.1	14.80		B5	17547	
									93	1088	1.2	15.11		B5	17571	
									75	1346	1.1	18.69		B5	17421	
									69	1463	1.1	20.31	ITH132	B5	17114	



Dati tecnici

Technical data

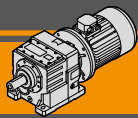
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
11.0							
160L4 (1400 min ⁻¹)	228	434	4.1	6.15	ITH142	B5	20871
	190	529	3.4	7.35		B5	22500
	158	640	3.1	8.88		B5	22500
	144	702	2.8	9.75		B5	22500
	135	745	2.8	10.35		B5	22500
	120	839	2.5	11.65		B5	22500
	110	920	2.4	12.78		B5	22500
	99	1014	2.3	14.08		B5	22500
	85	1181	1.9	16.40		B5	22500
	79	1277	2.2	17.73		B5	22500
	69	1458	1.9	20.24		B5	22500
	54	1872	1.7	25.99		B5	22500
	50	2024	1.6	28.10		B5	22500
	43	2330	1.4	32.35		B5	22500
	38	2671	1.2	37.09		B5	22500
	32	3139	1.0	43.57		B5	22500

15.0							
160L4 (1400 min ⁻¹)	278	484	1.8	5.03	ITH132	B5	11949
	230	598	1.4	6.09		B5	12785
	203	679	1.3	6.91		B5	13329
	186	738	1.2	7.51		B5	13661
	167	821	1.1	8.36		B5	14043
	155	887	1.0	9.03		B5	14276
	228	592	3.0	6.15	ITH142	B5	20188
	190	722	2.5	7.35		B5	21643
	158	873	2.3	8.88		B5	22500
	144	957	2.1	9.75		B5	22500
	135	1016	2.1	10.35		B5	22500
	120	1144	1.8	11.65		B5	22500
	110	1255	1.8	12.78		B5	22500
	99	1383	1.7	14.08		B5	22500
	85	1610	1.4	16.40		B5	22500
	79	1742	1.6	17.73		B5	22500
	69	1988	1.4	20.24		B5	22500
	54	2553	1.3	25.99		B5	22500
	50	2760	1.2	28.10		B5	22500
	43	3178	1.0	32.35		B5	22410

18.5							
180M4 (1400 min ⁻¹)	278	597	1.4	5.03	ITH132	B5	11445
	230	738	1.2	6.09		B5	12090
	203	837	1.1	6.91		B5	12480
	186	910	1.0	7.51		B5	12692
	228	730	2.5	6.15	ITH142	B5	19590
	190	890	2.0	7.35		B5	20839
	158	1076	1.9	8.88		B5	22145
	144	1181	1.7	9.75		B5	22500
	135	1254	1.7	10.35		B5	22500
	120	1411	1.5	11.65		B5	22500
	110	1548	1.4	12.78		B5	22500
	99	1705	1.3	14.08		B5	22500
	85	1986	1.2	16.40		B5	22500
	79	2148	1.3	17.73		B5	22500
	69	2452	1.1	20.24		B5	22500
	54	3149	1.0	25.99		B5	20141

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
22.0							
180L4 (1400 min ⁻¹)	278	710	1.2	5.03	ITH132	B5	10941
	230	878	1.0	6.09		B5	11394
	228	868	2.1	6.15	ITH142	B5	18992
	190	1059	1.7	7.35		B5	20034
	158	1280	1.6	8.88		B5	21065
	144	1404	1.4	9.75		B5	21474
	135	1491	1.4	10.35		B5	21693
	120	1678	1.3	11.65		B5	22000
	110	1840	1.2	12.78		B5	22097
	99	2028	1.1	14.08		B5	22028
	85	2362	1.0	16.40		B5	21475
	79	2555	1.1	17.73		B5	20928
	69	2916	1.0	20.24		B5	19494

30.0							
200L4 (1400 min ⁻¹)	228	1183	1.5	6.15	ITH142	B5	17626
	190	1444	1.2	7.35		B5	18195
	158	1745	1.1	8.88		B5	18598
	144	1915	1.0	9.75		B5	18625
	135	2033	1.0	10.35		B5	18568
	120	2288	0.9	11.65		B5	18247



ITH

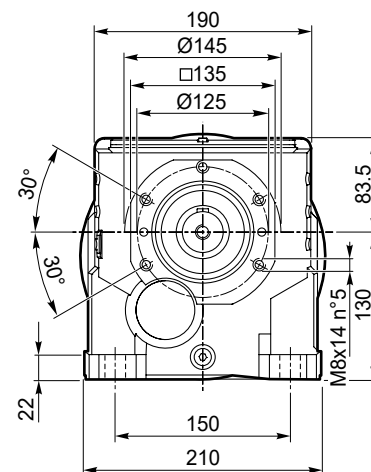
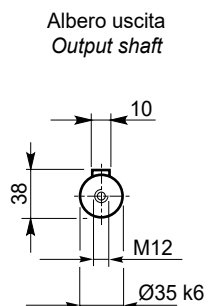
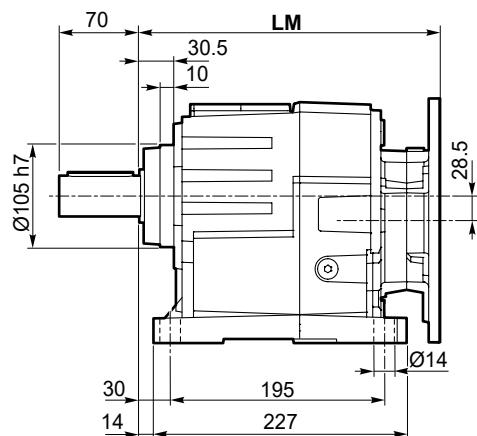
Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Dimensioni

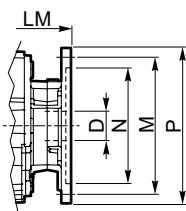
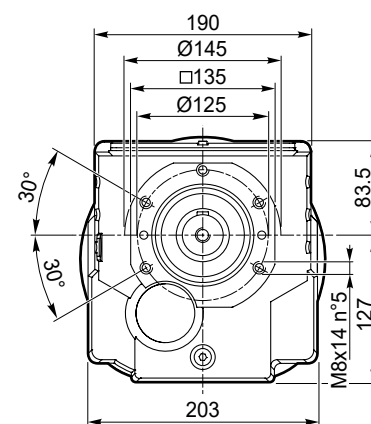
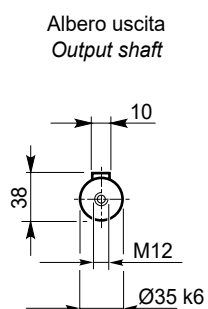
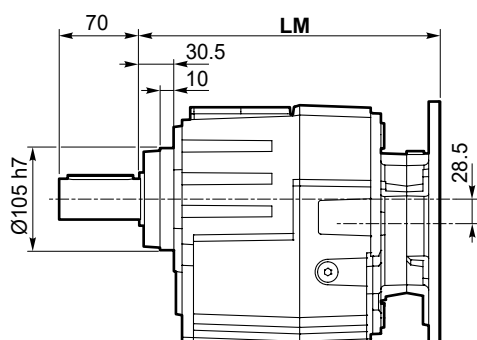
Dimensions

ITH 112 - ITH 113

ITH 112 U ITH 113 U

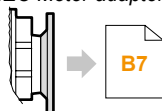


ITH 112 G ITH 113 G

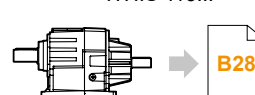


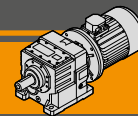
Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
LM	289			293,5	293	293,5	314	
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	130	250	160	300	200
D	14	19	24		28		38	

IEC Motori applicabili
IEC Motor adapters



ITHIS 112...
ITHIS 113...



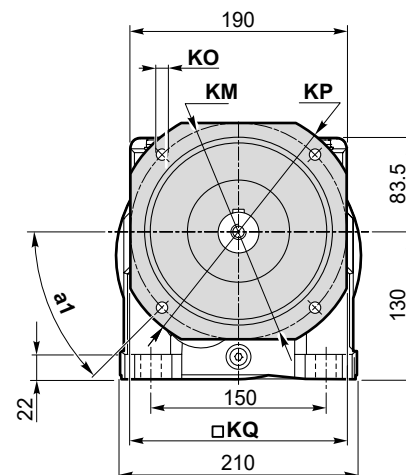
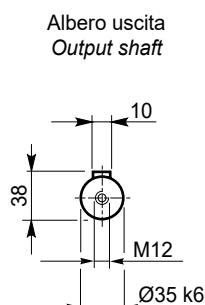
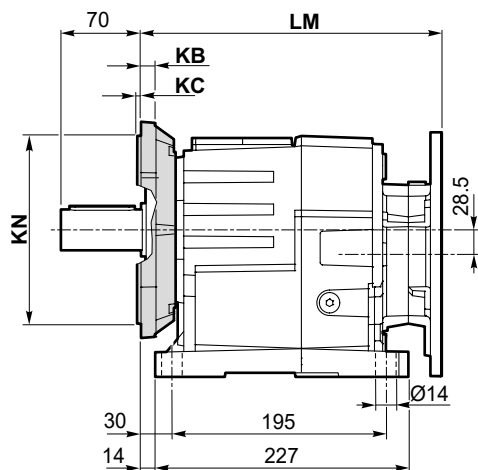


Dimensioni

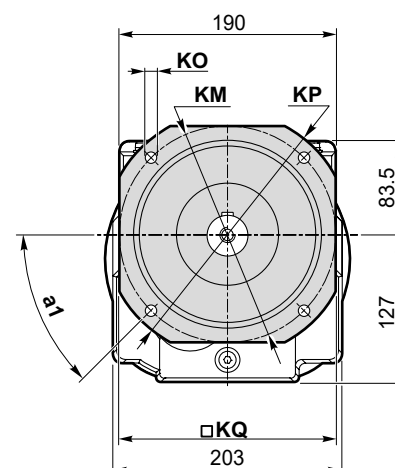
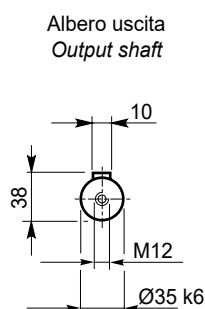
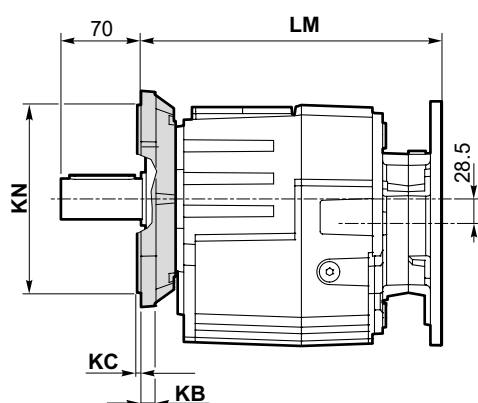
Dimensions

ITH 112 - ITH 113

ITH 112 U/F...
ITH 113 U/F...



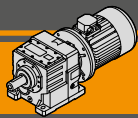
ITH 112 F...
ITH 113 F...



Versione F / F Version										
ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange	Peso / Weight [kg]
									Tipo / Type	
112 113	45°	12	4	165	130	11	200	165	F200	2.1
	45°	12	4	215	180	14	250	215	F250	3.2

Peso / Weight [kg]									
ITH	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	
112 U	28	29	29	28	30	28	34	31	
112 G	26	27	27	26	29	26	32	29	
113 U	28	29	29	28	-	-	-	-	
113 G	27	28	28	27	-	-	-	-	

Nota: peso del riduttore complessivo di olio per la posizione M1 (B3)
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITH

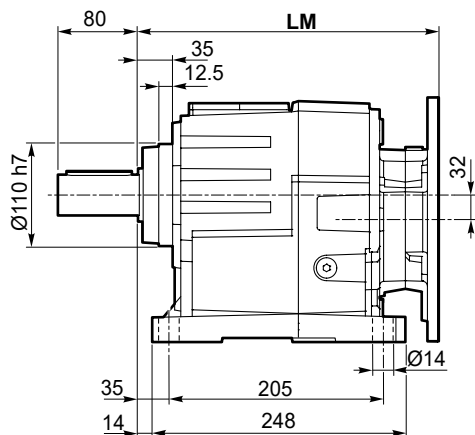
Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Dimensioni

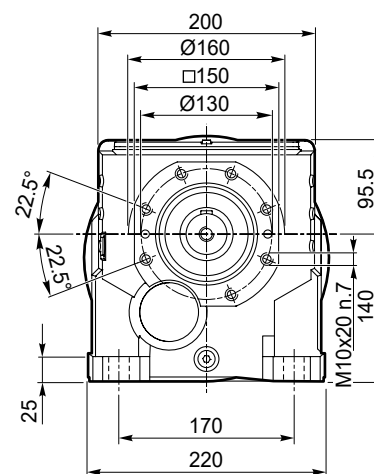
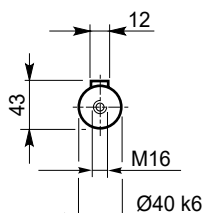
Dimensions

ITH 122 - ITH 123

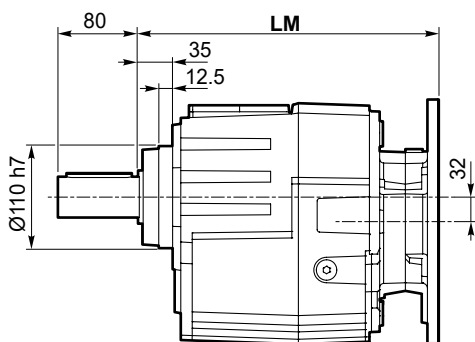
ITH 122 U ITH 123 U



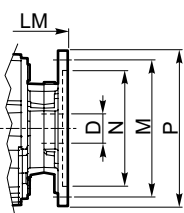
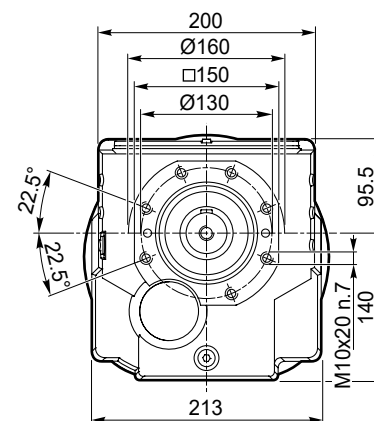
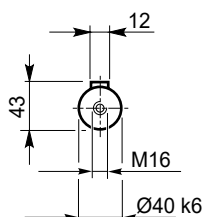
Albero uscita
Output shaft



ITH 122 G ITH 123 G

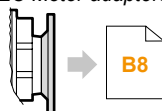


Albero uscita
Output shaft

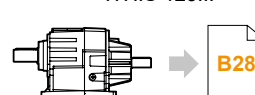


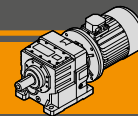
Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
LM	309.5			314	313.5	314	334.5	
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	130	250	160	300	200
D	14	19	24		28		38	

IEC Motori applicabili
IEC Motor adapters



ITHIS 122...
ITHIS 123...



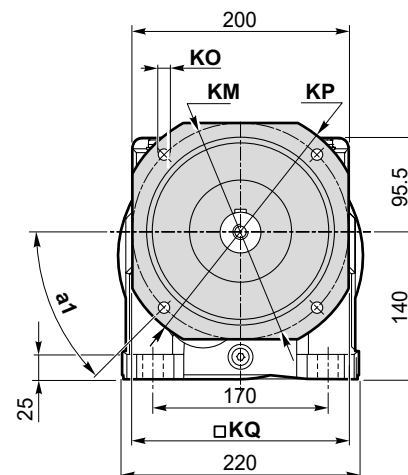
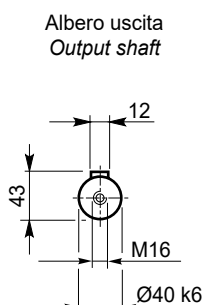
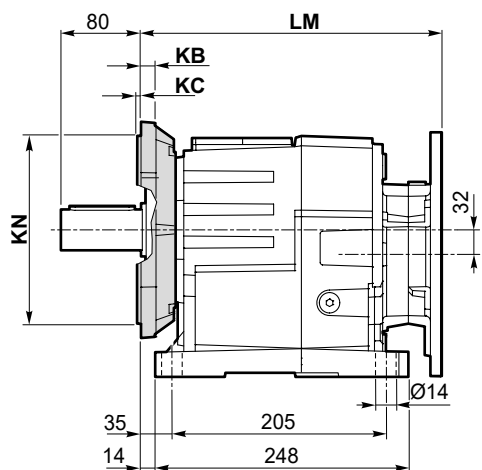


Dimensioni

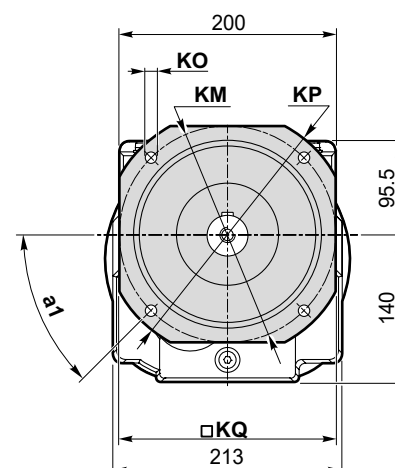
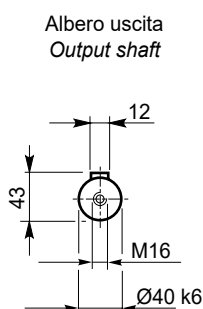
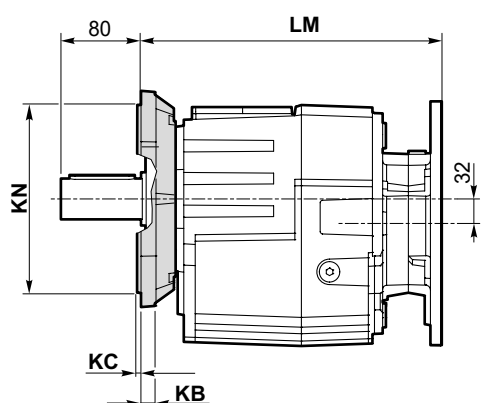
Dimensions

ITH 122- ITH 123

ITH 122 U/F...
ITH 123 U/F...



ITH 122 F...
ITH 123 F...



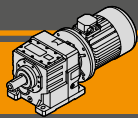
Versione F / F Version

ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange	Peso / Weight [kg]
									Tipo / Type	
122 123	45°	13	4	165	130	11	200	172	F200	2.6
	45°	13	4	215	180	14	250	215	F250	3.8
	45°	13	4	265	230	14	300	265	F300	5.6

Peso / Weight [kg]

ITH	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
122 U	-	36	36	35	38	35	41	38
122 G	-	34	34	33	36	33	39	36
123 U	36	37	37	36	39	36	-	-
123 G	34	35	35	34	37	34	-	-

Nota: peso del riduttore complessivo di olio per la posizione M1 (B3)
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITH

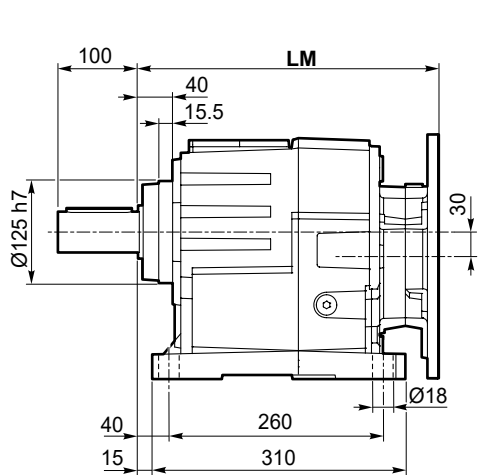
Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

Dimensioni

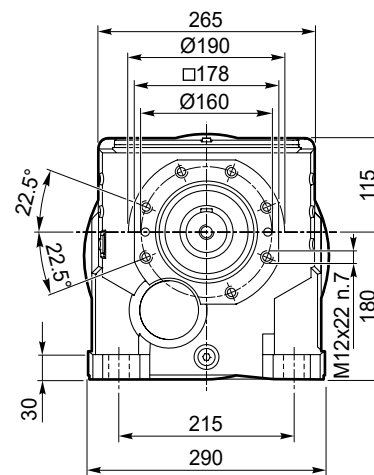
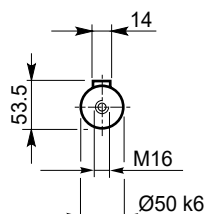
Dimensions

ITH 132 - ITH 133

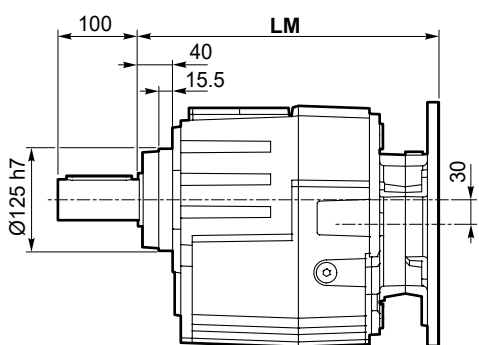
ITH 132 U ITH 133 U



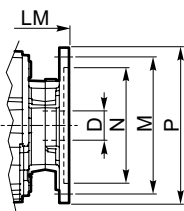
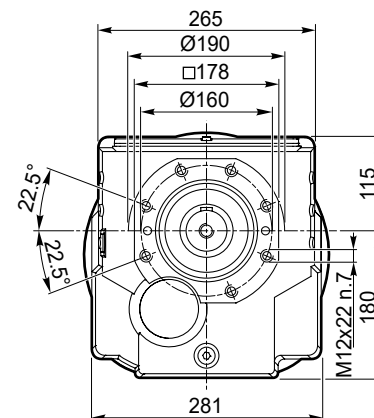
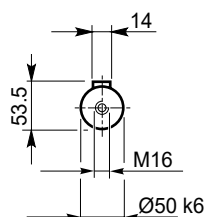
Albero uscita
Output shaft



ITH 132 G ITH 133 G

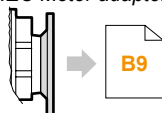


Albero uscita
Output shaft

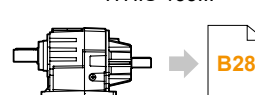


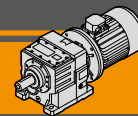
Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
LM	340.5		345	344.5	345	365.5		415.5	
N	130		95	180	110	230	130	250	
M	165		115	215	130	265	165	300	
P	200		140	250	160	300	200	350	
D	19	24		28		38		42	48

IEC Motori applicabili
IEC Motor adapters



ITHIS 132...
ITHIS 133...



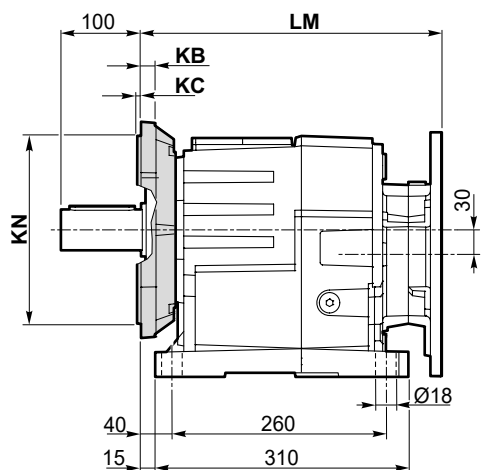


Dimensioni

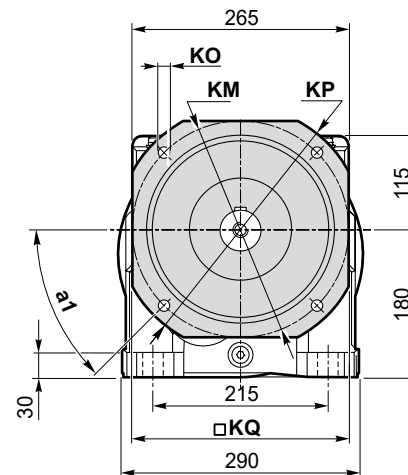
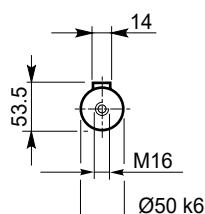
Dimensions

ITH 132- ITH 133

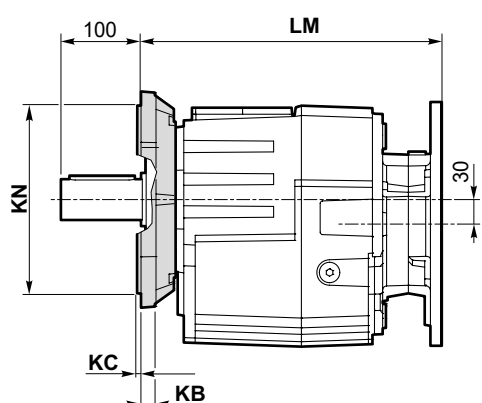
ITH 132 U/F...
ITH 133 U/F...



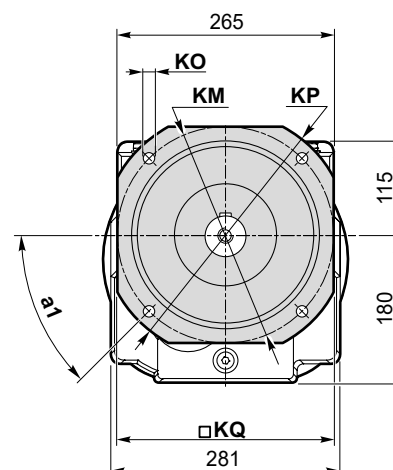
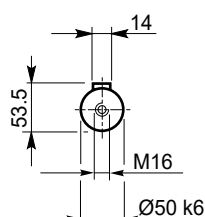
Albero uscita
Output shaft



ITH 132 F...
ITH 133 F...



Albero uscita
Output shaft



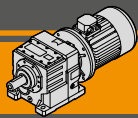
Versione F / F Version

ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange	Peso / Weight [kg]
									Tipo / Type	
132 133	45°	16	4	215	180	14	250	215	F250	4.8
	45°	16	4	265	230	14	300	260	F300	7.1
	45°	16	4	300	250	18	350	300	F350	9.1

Peso / Weight [kg]

ITH	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
132 U	67		66	68	66	72	69	83	
132 G	63		62	64	62	68	65	79	
133 U	69		68	70	68	74	71	-	-
133 G	65		64	66	64	70	67	-	-

Nota: peso del riduttore complessivo di olio per la posizione M1 (B3)
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITH

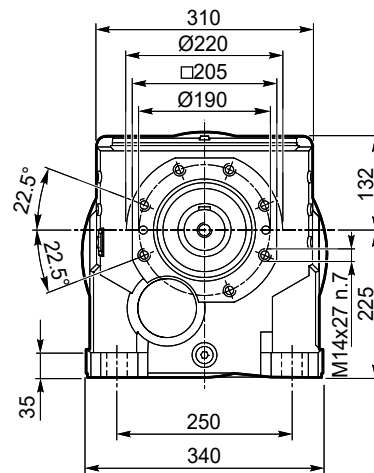
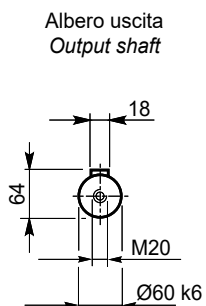
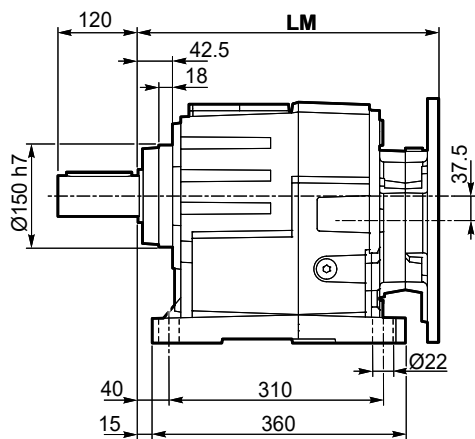
Motoriduttori ad ingranaggi cilindrici
Helical in-line gearmotors

Dimensioni

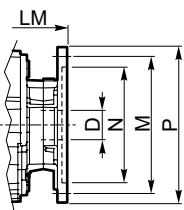
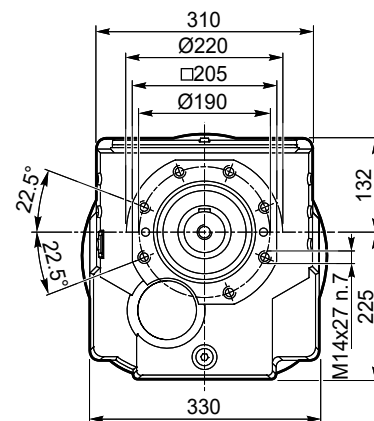
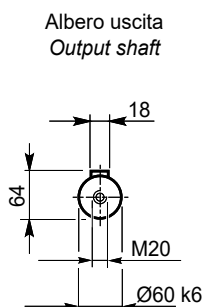
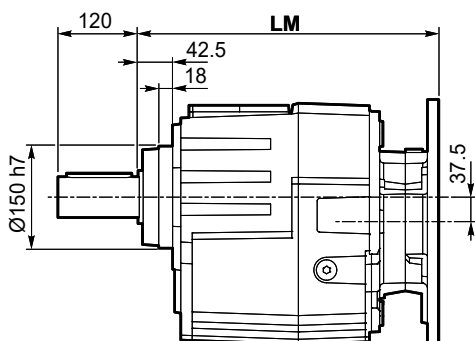
Dimensions

ITH 142 - ITH 143

ITH 142 U
ITH 143 U

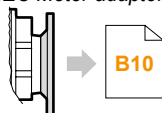


ITH 142 G
ITH 143 G

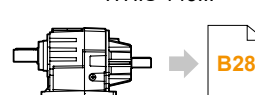


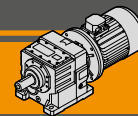
Dimensioni IEC / IEC Dimensions										
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
LM	373.5		378	377.5	378	398.5		448.5		460.5
N	130		95	180	110	230	130	250		300
M	165		115	215	130	265	165	300		350
P	200		140	250	160	300	200	350		400
D	19	24		28		38		42	48	55

IEC Motori applicabili
IEC Motor adapters



ITHIS 142...
ITHIS 143...



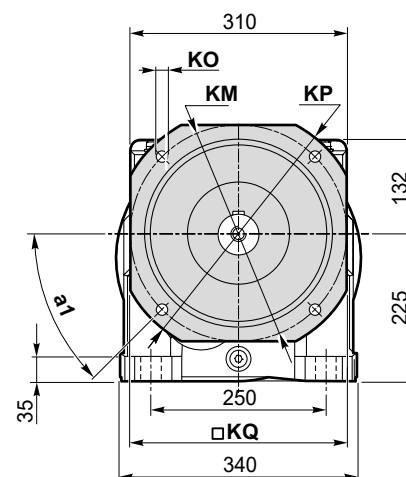
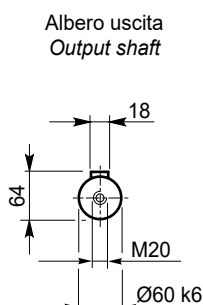
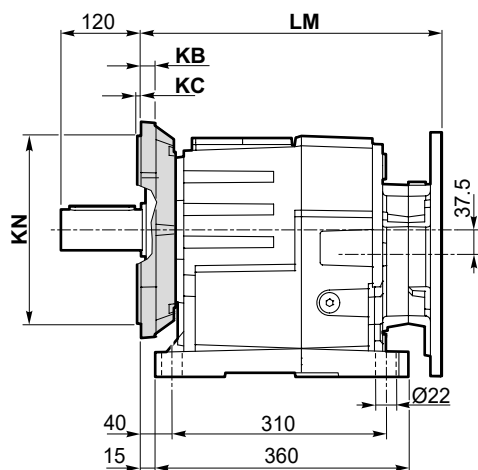


Dimensioni

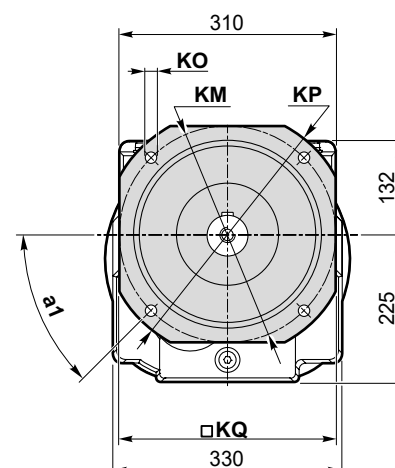
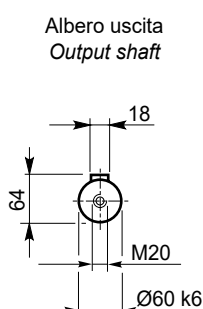
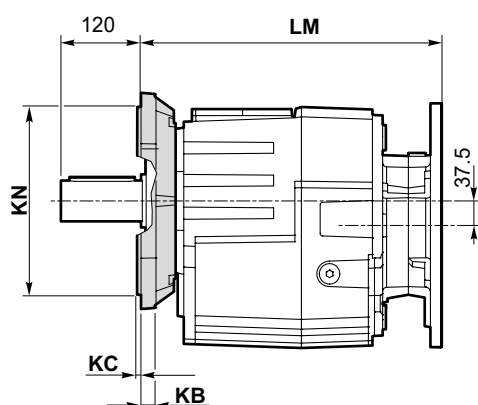
Dimensions

ITH 142- ITH 143

ITH 142 U/F...
ITH 143 U/F...



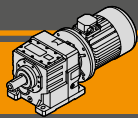
ITH 142 F...
ITH 143 F...



Versione F / F Version										
ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange Tipo / Type	Peso / Weight [kg]
142 143	45°	18	4	265	230	14	300	265	F300	7.4
	45°	18	5	300	250	18	350	300	F350	10.2
	45°	18	5	400	350	18	450	400	F450	16.9

Peso / Weight [kg]										
ITH	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
142 U	-	-	-	105	102	108	105	119		129
142 G	-	-	-	99	96	102	99	113		123
143 U		106		105	108	105	111	108	-	-
143 G		100		99	102	99	105	102	-	-

Nota: peso del riduttore complessivo di olio per la posizione M1 (B3)
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



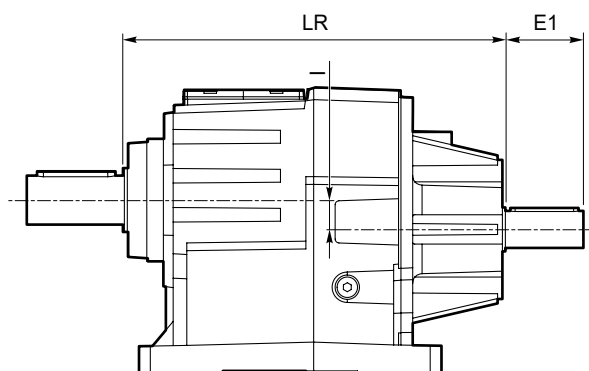
ITH

Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

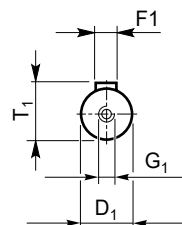
Dimensioni

Dimensions

ITHIS...



Albero entrata
Input shaft



ITHIS	Versione Version	LR	D1	E1	I	T1	F1	G1
112	U G U/F... F...	321.5	28	60	28.5	31	8	M10
113		321.5	24	50	28.5	27	8	M8
122		342	28	60	32	31	8	M10
123		342	28	60	32	31	8	M10
132		390.5	38	80	30	41	10	M12
133		373	28	60	30	31	8	M10
142		423.5	38	80	37.5	41	10	M12
143		406	28	60	37.5	31	8	M10

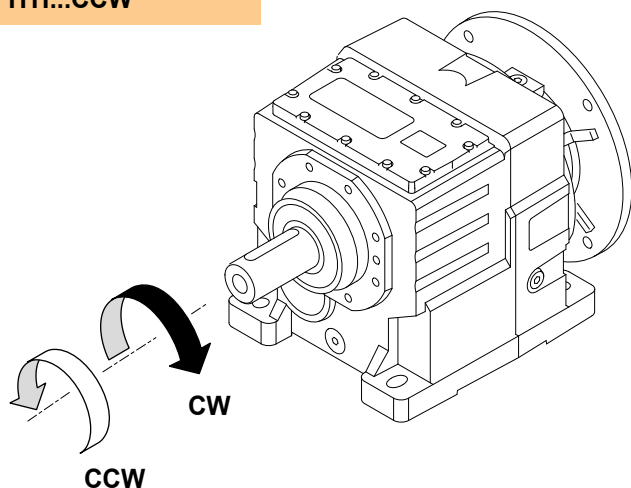
ITHIS	Peso / Weight [kg]
112 U	29
112 G	28
113 U	30
113 G	28
122 U	37
122 G	35
123 U	38
123 G	36
132 U	73
132 G	69
133 U	69
133 G	65
142 U	110
142 G	104
143 U	107
143 G	101

Accessori

Accessories

Dispositivo antiretro / Backstop device

ITH...CW
ITH...CCW



Il dispositivo antiretro permette la rotazione dell'albero in un solo senso senza creare ingombri aggiuntivi. Prima di utilizzarlo è necessario specificare il senso di rotazione dell'albero di uscita come mostrato in figura.

The backstop device allows the output shaft to rotate in just one direction. Before using it, please specify output shaft rotation direction as shown in the figure.

Morskate®



Any questions? Please contact us.

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