

**TRANSTECNO**<sup>®</sup>  
the modular gearmotor

**ITH**

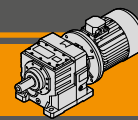
ITH



## Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors



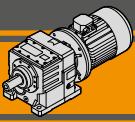




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**ITH**

**Motoriduttori ad ingranaggi cilindrici**  
**Helical in-line gearmotors**

**Caratteristiche tecniche**

**Technical features**

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.

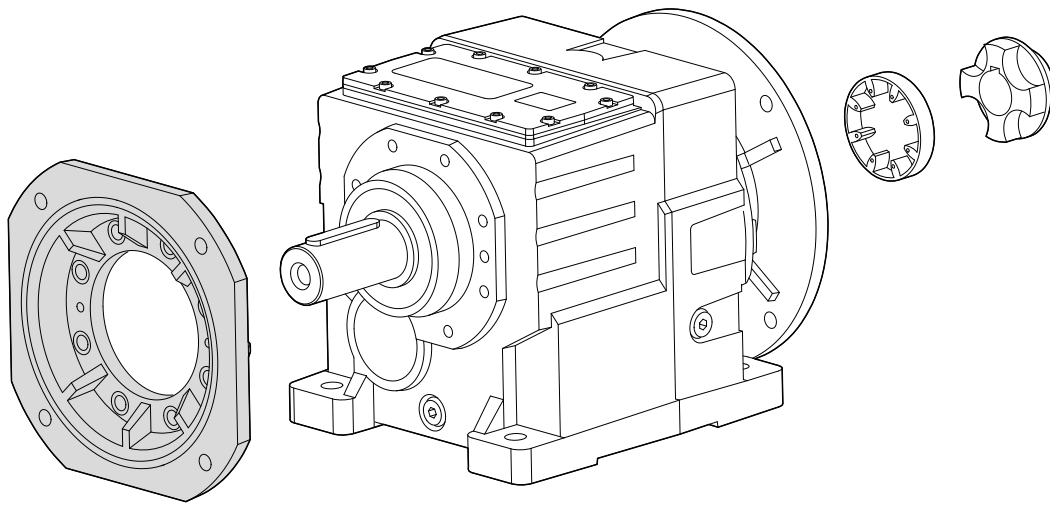
*The ITH gearmotors are intended for heavy duty applications. The robust one pieces casing of the main housing and the modular design of input and output sets increase application flexibility.*

Caratteristiche comuni a tutta la serie sono:

*The main features of ITH range are:*

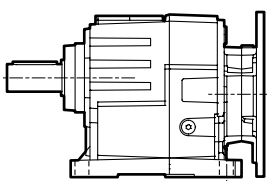
- Costruzione robusta con carcassa in ghisa;
- Elevata modularità;
- Lubrificazione con olio sintetico;
- Accoppiamento al motore tramite giunto elastico.
- Verniciatura a polvere epossidica RAL 7016 di spessore medio 0,10 – 0,15 mm.

- *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.*

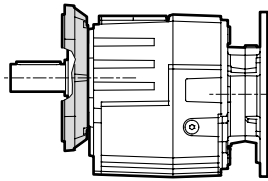


**Versioni**

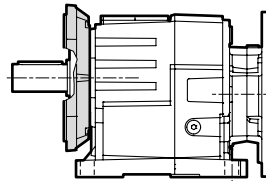
**Versions**



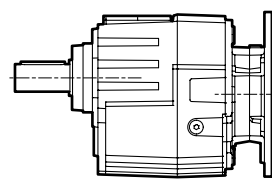
**U**



**F...**

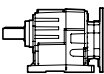


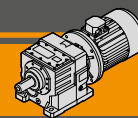
**U/F...**



**G**

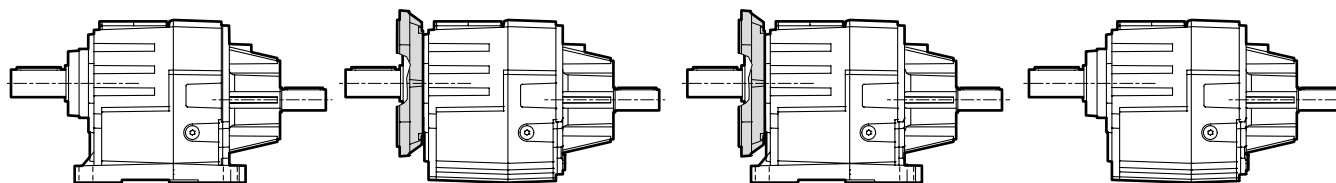
**RIDUTTORE / GEARBOX**

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
<b>ITH</b> 	<b>11</b> <b>12</b> <b>13</b> <b>14</b>	<b>2</b> <b>3</b>	<b>U</b> <b>F...</b> <b>U/F...</b> <b>G</b>	vedi tabelle see tables	vedi tabelle see tables	<b>71..</b> <b>—</b> <b>200..</b>	<b>B5</b> <b>B14</b>	<b>M1 (B3)</b> <b>M2 (V6)</b> <b>M3 (B8)</b> <b>M4 (V5)</b> <b>M5 (B7)</b> <b>M6 (B6)</b>	<b>CW</b> <b>CCW</b>



Designazione

Classification



U

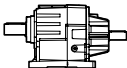
F...

U/F...

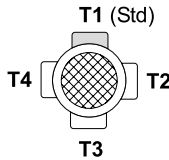
G

ITH

RIDUTTORE / GEARBOX

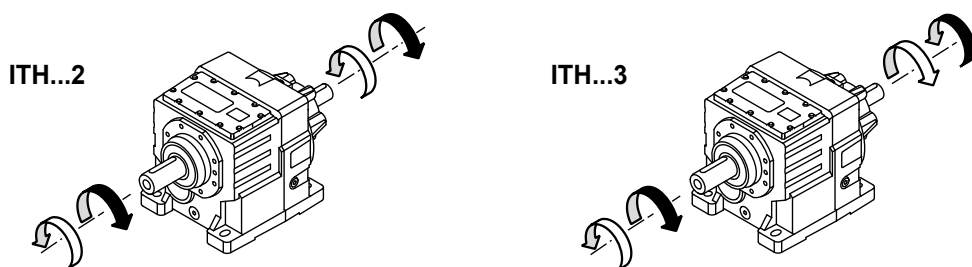
ITHIS	12	2	H	26.28	D40	M1
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	Pos. di montaggio Mounting position
ITHIS 	11 12 13 14	2 3	U F... U/F... G	vedi tabelle see tables	vedi tabelle see tables	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

MOTORE / MOTOR

5.5kW	4p	3ph	230/400V	50Hz	T1
Potenza Power	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsetti 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

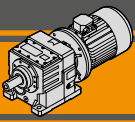
Direction of rotation



Simbologia

Symbols

$n_1$	[ $\text{min}^{-1}$ ]	Velocità in ingresso / Input speed
$n_2$	[ $\text{min}^{-1}$ ]	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

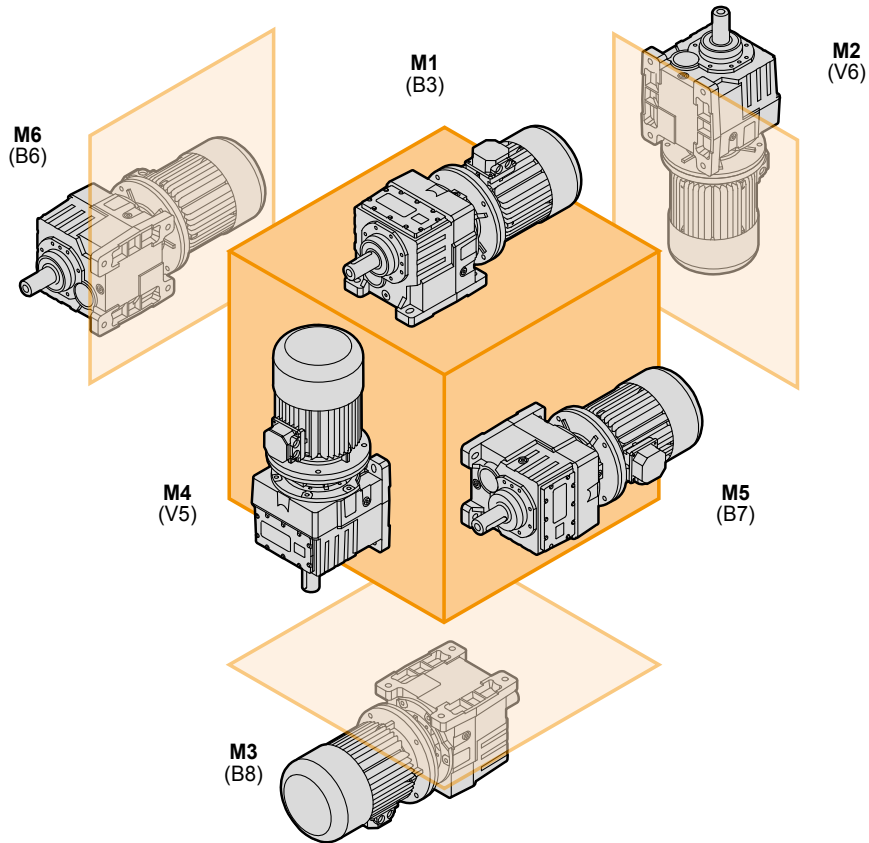


### Lubrificazione

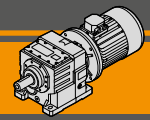
I motoriduttori della serie ITH sono forniti completi di lubrificante sintetico viscosità 320. La quantità di lubrificante dipende dalla posizione di montaggio.

### Lubrication

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



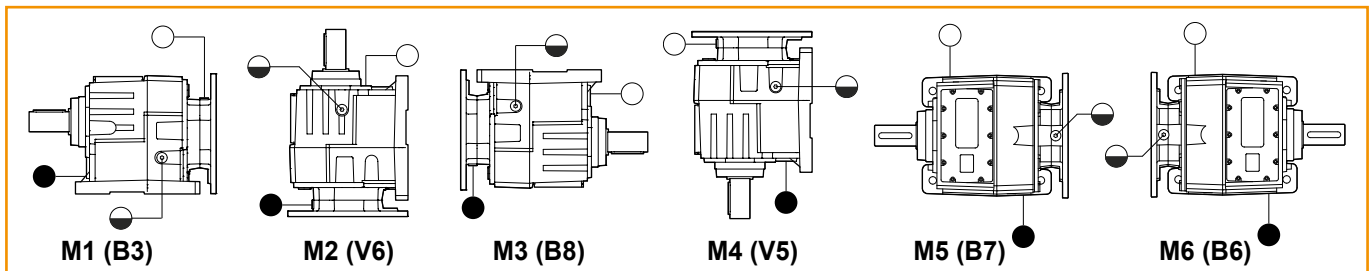
ITH	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	1,1	3,9	3,7	3,4	2,4	2,4
122 123	1,7	5,0	4,3	4,3	3,1	2,9
132 133	4,5	9,5	8,3	8,6	5,9	5,7
142 143	8,1	14,5	11,5	14,4	9,4	9,0



Lubrificazione

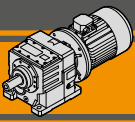
Lubrication

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





**Carichi radiali in entrata**

**Input Radial loads**

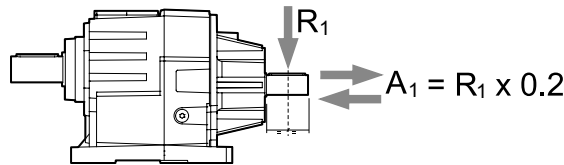
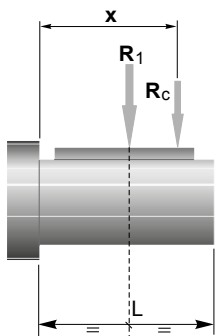
ITH 113	n <sub>1</sub> [min <sup>-1</sup> ]	Potenza motore/ Motor Power [kW]		
		1.1	1.5	1.85
R <sub>1</sub> [N]	1400	1250		
	900	1500		500
	500	1750	-	-

ITH 112 ITH 122 -123 ITH 133 - 143	n <sub>1</sub> [min <sup>-1</sup> ]	Potenza motore/ Motor Power [kW]			
		2.2	3.0	4.0	5.5
R <sub>1</sub> [N]	1400	1800			750
	900	2100		1200	-
	500	2500	-	-	-

ITH 132 ITH 142	n <sub>1</sub> [min <sup>-1</sup> ]	Potenza motore/ Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R <sub>1</sub> [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	157	139	157	139	
b	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

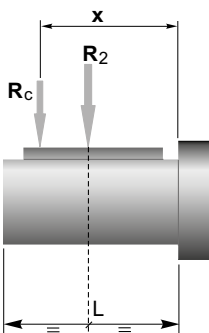
$$R \leq R_c$$

**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:



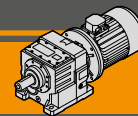
	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	184	208	247	286				
b	149	168	197	226				
R <sub>2MAX</sub>	8200	12500	18500	22500				

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

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

$$R \leq R_c$$




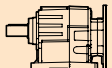


Dati tecnici

$n_1$  1400 min<sup>-1</sup>

Technical data

	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [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
		*
		*
		*
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	*	*
	*	*

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

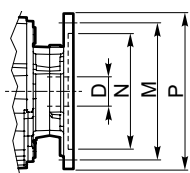
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

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

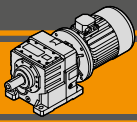
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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	

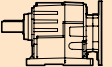


**Dati tecnici**

**$n_1$  1400 min<sup>-1</sup>**

**Technical data**

	<b><math>n_2</math></b> [min <sup>-1</sup> ]	<b><math>Mn_2</math></b> [Nm]	<b><math>Pn_1</math></b> [kW]	<b>i</b>	<b><math>R_2</math></b> [N]
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	<b>IEC Motori applicabili</b> <b>IEC Motor adapters</b>			
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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
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N.B.  
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

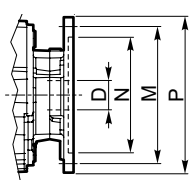
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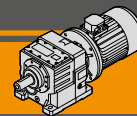
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.


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

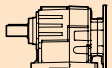
Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



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


**Dati tecnici**
 **$n_1$  1400 min<sup>-1</sup>**
**Technical data**

	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	$R_2$ [N]
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	IEC Motori applicabili IEC Motor adapters					
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**ITHIS 132**

278	850	25.8	5.03	10319
230	850	21.3	6.09	11532
203	900	19.9	6.91	12142
186	900	18.3	7.51	12746
167	900	16.4	8.36	13570
155	900	15.2	9.03	14195
136	950	14.1	10.30	14992
127	950	13.2	11.01	15581
113	1200	14.8	12.39	14811
95	1200	12.4	14.80	16426
93	1300	13.1	15.11	15778
75	1500	12.3	18.69	15950
69	1600	12.0	20.31	15734
55	1600	9.5	25.65	18031
51	1700	9.4	27.48	17571
46	1700	8.5	30.46	18500
40	1900	8.4	34.61	17356
37	1900	7.7	37.71	18247
33	1900	6.9	41.80	18500
31	1900	6.4	45.60	18500
28	1900	5.8	49.88	18500

**ITH 132**

80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14	160 B5	180 B5
*	*	*	*			
						*
						*
						*
						*
						*
						*
						*
					*	*
					*	*


**ITHIS 133**

23	1900	4.9	60.92	18500
22	1900	4.6	64.74	18500
19.8	1900	4.2	70.88	18500
17.9	1900	3.8	78.38	18500
16.1	1900	3.4	87.14	18500
14.6	1900	3.1	95.67	18500
12.7	1900	2.7	109.93	18500
11.6	1900	2.5	120.36	18500
10.4	1900	2.2	134.66	18500
9.5	1900	2.0	147.98	18500
8.6	1900	1.8	162.45	18500
7.3	1900	1.5	191.39	18500
6.7	1900	1.4	209.48	18500
6.1	1900	1.3	230.85	18500

**ITH 133**


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.

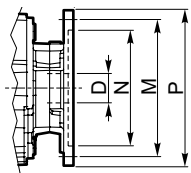
 \* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

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

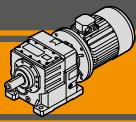
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

 \* = 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.



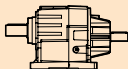
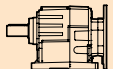
Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
<b>N</b>	130	130	95	180	110	230	130	250	250
<b>M</b>	165	165	115	215	130	265	165	300	300
<b>P</b>	200	200	140	250	160	300	200	350	350
<b>D</b>	19	24		28		38		42	48



### Dati tecnici

$n_1$  1400 min<sup>-1</sup>

### Technical data

	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	$R_2$ [N]	 IEC Motori applicabili IEC Motor adapters					
						100 B5/B14	112 B5/B14	132 B5/B14	160 B5	180 B5	200 B5
<b>ITHIS 142</b>						<b>ITH 142</b>					
	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						

### ITHIS 143


### ITH 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

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.

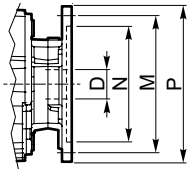
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

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

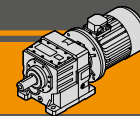
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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

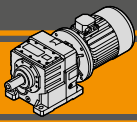


Dati tecnici

Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]
<b>0.25</b>								<b>0.55</b>							
71A4 (1400 min <sup>-1</sup> )	54	43	14	26.16	ITH112	B5	8200	80A4 (1400 min <sup>-1</sup> )	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		
	7.9	285	3.4	178.10	ITH123	B5	12500		24	206	2.9	57.21	B5	8200	
	6.9	326	3.0	203.65		B5	12500		25	195	3.6	55.27	ITH113	B5	8200
6.5	346	2.8	216.00	B5		12500	21	238	2.9	67.61	B5	8200			
5.9	379	2.6	236.49	B5		12500	19	264	2.6	74.96	B5	8200			
5.5	410	2.4	256.00	B5		12500	15	323	2.2	91.70	B5	8200			
5.0	449	2.2	280.29	B5	12500	13	384	1.8	108.91	B5	8200				
71B4 (1400 min <sup>-1</sup> )	54	63	9.5	26.16	ITH112	B5	8200	10	482	1.5	136.65	B5	8200		
	39	88	7.7	36.35		B5	8200	8.5	578	1.2	163.98	B5	8200		
	34	101	6.8	41.57		B5	8200	8.1	612	1.1	173.44	B5	8200		
	29	117	5.1	48.27		B5	8200	7.6	653	1.1	185.20	B5	8200		
	24	139	4.3	57.21		B5	8200	6.9	711	1.0	201.58	B5	8200		
	25	131	5.3	55.27	ITH113	B5	8200	6.6	748	0.9	212.17	B5	8200		
	21	160	4.4	67.61		B5	8200	53	95	10	26.28	ITH122	B5	12500	
	19	178	3.9	74.96		B5	8200	48	106	9.3	29.40		B5	12500	
	15	218	3.2	91.70		B5	8200	43	116	8.4	32.31		B5	12500	
	13	258	2.7	108.91		B5	8200	39	128	7.7	35.47		B5	12500	
	10	324	2.2	136.65	B5	8200	34	150	6.5	41.78	B5		12500		
	8.5	389	1.8	163.98	B5	8200	31	165	5.9	45.73	B5	12500			
	8.1	411	1.7	173.44	B5	8200	28	182	5.4	50.40	B5	12500			
	7.6	439	1.6	185.20	B5	8200	25	197	5.0	56.00	ITH123	B5	12500		
	6.9	478	1.5	201.58	B5	8200	23	216	4.5	61.31		B5	12500		
	6.6	503	1.4	212.17	B5	8200	20	249	3.9	70.53		B5	12500		
	6.2	537	1.3	226.55	B5	8200	17	286	3.4	81.00		B5	12500		
	5.7	585	1.2	246.59	B5	8200	16	313	3.1	88.68		B5	12500		
	7.9	423	2.3	178.10	ITH123	B5	12500	13	371	2.6	105.23	B5	12500		
	6.9	483	2.0	203.65		B5	12500	12	406	2.4	115.21	B5	12500		
6.5	512	1.9	216.00	B5		12500	11	454	2.2	128.73	B5	12500			
5.9	561	1.7	236.49	B5		12500	9.7	508	1.9	144.00	B5	12500			
5.5	607	1.6	256.00	B5		12500	8.9	556	1.8	157.66	B5	12500			
5.0	665	1.5	280.29	B5	12500	7.9	628	1.6	178.10	B5	12500				









**ITH**

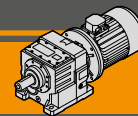
**Motoriduttori ad ingranaggi cilindrici**  
**Helical in-line gearmotors**

**Dati tecnici**

**Technical data**





$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]		
<b>0.55</b>								<b>0.75</b>									
80A4 (1400 min <sup>-1</sup> )	23	215	8.8	60.92	ITH133	B5	18500	80B4 (1400 min <sup>-1</sup> )	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						ITH133	B5	18500
		7.9	628	5.6	177.95		B5		22500	23	293	6.5	60.92			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					
												ITH143	B5	22500			
							18	382	9.2	79.43	B5		22500				
							16	413	8.5	85.85	B5		22500				
							13	536	6.5	111.40	B5		22500				
							12	579	6.0	120.42	B5		22500				
							11	634	5.5	131.84	B5		22500				
							9.5	709	4.9	147.51	B5		22500				
							8.6	780	4.5	162.10	B5		22500				
							7.9	856	4.1	177.95	B5		22500				
							7.2	933	3.8	193.96	B5		22500				
							6.7	1008	3.5	209.65	B5	22500					
							6.1	1103	3.2	229.46	B5	22500					
							5.5	1216	2.9	252.87	B5	22500					
<b>0.75</b>																	
80B4 (1400 min <sup>-1</sup> )	260	26	13	5.38	ITH112	B5	4390										
	216	32	11	6.47		B5	4874										
	178	39	10	7.88		B5	5441										
	164	42	9.5	8.54		B5	5693										
	155	44	9.4	9.06		B5	5881										
	136	50	8.3	10.28		B5	6305										
	123	56	8.6	11.39		B5	6669										
	112	61	7.8	12.52		B5	7019										
	95	73	6.9	14.80		B5	7680										
	77	89	6.0	18.10		B5	8200										
	69	99	5.3	20.25	B5	8200											
	60	116	5.2	23.52	B5	8200											
	54	128	4.7	26.16	B5	8200											
	49	141	4.6	28.77	B5	8200											
	44	158	4.3	32.18	B5	8200											
	39	179	3.8	36.35	B5	8200											
	34	204	3.3	41.57	B5	8200											
	29	237	2.5	48.27	B5	8200											
	24	281	2.1	57.21	B5	8200											
		25	266	2.6	55.27	ITH113	B5	8200									
	21	325	2.2	67.61	B5		8200										
	19	361	1.9	74.96	B5		8200										
	15	441	1.6	91.70	B5		8200										
	13	524	1.3	108.91	B5		8200										
	10	657	1.1	136.65	B5		8200										
	82	84	10	17.11	ITH122	B5	11895										
	72	96	8.9	19.50		B5	12500										
	65	105	8.6	21.43		B5	12500										
	58	118	8.3	24.00		B5	12500										
	53	129	7.6	26.28		B5	12500										
	48	144	6.8	29.40		B5	12500										
	43	159	6.2	32.31		B5	12500										
	39	174	5.6	35.47		B5	12500										
	34	205	4.8	41.78		B5	12500										
	31	225	4.4	45.73		B5	12500										
	28	248	4.0	50.40	B5	12500											





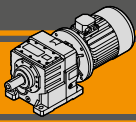
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Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]						
<b>1.1</b>								<b>1.1</b>													
90S4 (1400 min <sup>-1</sup> )	<b>260</b>	39	9.0	5.38	<b>ITH112</b>	<b>B5/14</b>	4354	90S4 (1400 min <sup>-1</sup> )	<b>23</b>	430	4.4	60.92	<b>ITH133</b>	<b>B5/14</b>	18500						
	<b>216</b>	47	7.5	6.47			<b>B5/14</b>	4825		<b>22</b>	457	4.2			64.74	<b>B5/14</b>	18500				
	<b>178</b>	57	7.1	7.88			<b>B5/14</b>	5374		<b>20</b>	500	3.8			70.88	<b>B5/14</b>	18500				
	<b>164</b>	62	6.5	8.54			<b>B5/14</b>	5617		<b>18</b>	553	3.4			78.38	<b>B5/14</b>	18500				
	<b>155</b>	65	6.4	9.06			<b>B5/14</b>	5798		<b>16</b>	615	3.1			87.14	<b>B5/14</b>	18500				
	<b>136</b>	74	5.7	10.28			<b>B5/14</b>	6204		<b>15</b>	675	2.8			95.67	<b>B5/14</b>	18500				
	<b>123</b>	82	5.8	11.39			<b>B5/14</b>	6550		<b>13</b>	775	2.5			109.93	<b>B5/14</b>	18500				
	<b>112</b>	90	5.3	12.52			<b>B5/14</b>	6881		<b>12</b>	849	2.2			120.36	<b>B5/14</b>	18500				
	<b>95</b>	107	4.7	14.80			<b>B5/14</b>	7500		<b>10</b>	950	2.0			134.66	<b>B5/14</b>	18500				
	<b>77</b>	130	4.1	18.10			<b>B5/14</b>	8200		<b>9.5</b>	1044	1.8			147.98	<b>B5/14</b>	18500				
	<b>69</b>	146	3.6	20.25			<b>B5/14</b>	8200		<b>8.6</b>	1146	1.7			162.45	<b>B5/14</b>	18500				
	<b>60</b>	169	3.5	23.52			<b>B5/14</b>	8200		<b>7.3</b>	1350	1.4			191.39	<b>B5/14</b>	18500				
	<b>54</b>	188	3.2	26.16			<b>B5/14</b>	8200		<b>6.7</b>	1478	1.3			209.48	<b>B5/14</b>	18500				
	<b>49</b>	207	3.1	28.77			<b>B5/14</b>	8200		<b>6.1</b>	1628	1.2			230.85	<b>B5/14</b>	18500				
	<b>44</b>	232	2.9	32.18			<b>B5/14</b>	8200		<b>23</b>	435	8.0			61.74	<b>ITH143</b>	<b>B5/14</b>	22500			
	<b>39</b>	262	2.6	36.35			<b>B5/14</b>	8200		<b>21</b>	471	7.4			66.73			<b>B5/14</b>	22500		
	<b>34</b>	299	2.3	41.57			<b>B5/14</b>	8200		<b>18</b>	560	6.2			79.43			<b>B5/14</b>	22500		
	<b>29</b>	348	1.7	48.27			<b>B5/14</b>	8200		<b>16</b>	606	5.8			85.85			<b>B5/14</b>	22500		
	<b>24</b>	412	1.5	57.21			<b>B5/14</b>	8200		<b>13</b>	786	4.5			111.40			<b>B5/14</b>	22500		
	<b>25</b>	390	1.8	55.27			<b>ITH113</b>	<b>B5/14</b>	8200		<b>12</b>	849			4.1			120.42	<b>B5/14</b>	22500	
	<b>21</b>	477	1.5	67.61					<b>B5/14</b>	8200		<b>11</b>			930			3.8	131.84	<b>B5/14</b>	22500
	<b>19</b>	529	1.3	74.96					<b>B5/14</b>	8200		<b>9.5</b>			1040			3.4	147.51	<b>B5/14</b>	22500
	<b>15</b>	647	1.1	91.70					<b>B5/14</b>	8200		<b>8.6</b>			1143			3.1	162.10	<b>B5/14</b>	22500
	<b>13</b>	768	0.9	108.91					<b>B5/14</b>	8200		<b>7.9</b>			1255			2.8	177.95	<b>B5/14</b>	22500
	<b>159</b>	64	10	8.82	<b>ITH122</b>	<b>B5/14</b>			8152		<b>7.2</b>	1368	2.6	193.96	<b>B5/14</b>			22500			
	<b>139</b>	73	10	10.08			<b>B5/14</b>	8778		<b>6.7</b>	1479	2.4	209.65	<b>B5/14</b>	22500						
	<b>123</b>	82	9.2	11.35			<b>B5/14</b>	9371		<b>6.1</b>	1618	2.2	229.46	<b>B5/14</b>	22500						
	<b>105</b>	96	8.9	13.30			<b>B5/14</b>	10218		<b>5.5</b>	1784	2.0	252.87	<b>B5/14</b>	22500						
	<b>88</b>	115	7.4	15.92			<b>B5/14</b>	11257		<b>90L4</b> (1400 min <sup>-1</sup> )	<b>260</b>	53	6.6	5.38	<b>ITH112</b>			<b>B5/14</b>	4313		
	<b>82</b>	123	6.9	17.11			<b>B5/14</b>	11698		<b>216</b>	64	5.5	6.47	<b>B5/14</b>					4769		
	<b>72</b>	140	6.1	19.50			<b>B5/14</b>	12500		<b>178</b>	77	5.2	7.88	<b>B5/14</b>					5299		
	<b>65</b>	154	5.8	21.43			<b>B5/14</b>	12500		<b>164</b>	84	4.8	8.54	<b>B5/14</b>					5531		
	<b>58</b>	173	5.7	24.00			<b>B5/14</b>	12500		<b>155</b>	89	4.7	9.06	<b>B5/14</b>					5703		
	<b>53</b>	189	5.2	26.28			<b>B5/14</b>	12500		<b>136</b>	101	4.2	10.28	<b>B5/14</b>					6088		
	<b>48</b>	212	4.6	29.40			<b>B5/14</b>	12500		<b>123</b>	112	4.3	11.39	<b>B5/14</b>					6414		
	<b>43</b>	233	4.2	32.31			<b>B5/14</b>	12500		<b>112</b>	123	3.9	12.52	<b>B5/14</b>					6723		
	<b>39</b>	255	3.8	35.47	<b>B5/14</b>	12500		<b>95</b>	145	3.4	14.80	<b>B5/14</b>	7294								
	<b>34</b>	301	3.3	41.78	<b>B5/14</b>	12500		<b>77</b>	178	3.0	18.10	<b>B5/14</b>	8009								
	<b>31</b>	329	3.0	45.73	<b>B5/14</b>	12500		<b>69</b>	199	2.7	20.25	<b>B5/14</b>	8200								
	<b>28</b>	363	2.7	50.40	<b>B5/14</b>	12500		<b>60</b>	231	2.6	23.52	<b>B5/14</b>	8200								
	<b>25</b>	395	2.5	56.00	<b>ITH123</b>	<b>B5/14</b>	12500		<b>54</b>	257	2.3	26.16	<b>B5/14</b>	8200							
	<b>23</b>	432	2.3	61.31			<b>B5/14</b>	12500		<b>49</b>	283	2.3	28.77	<b>B5/14</b>		8200					
	<b>20</b>	497	2.0	70.53			<b>B5/14</b>	12500		<b>44</b>	316	2.2	32.18	<b>B5/14</b>		8200					
	<b>17</b>	571	1.7	81.00			<b>B5/14</b>	12500		<b>39</b>	357	1.9	36.35	<b>B5/14</b>		8200					
	<b>16</b>	626	1.6	88.68			<b>B5/14</b>	12500		<b>34</b>	408	1.7	41.57	<b>B5/14</b>		8200					
	<b>13</b>	742	1.3	105.23			<b>B5/14</b>	12500		<b>29</b>	474	1.3	48.27	<b>B5/14</b>		8200					
	<b>12</b>	813	1.2	115.21			<b>B5/14</b>	12500		<b>24</b>	562	1.1	57.21	<b>B5/14</b>		8200					
	<b>11</b>	908	1.1	128.73			<b>B5/14</b>	12500		<b>25</b>	532	1.3	55.27	<b>ITH113</b>		<b>B5/14</b>	8200				
	<b>9.7</b>	1016	1.0	144.00			<b>B5/14</b>	12500		<b>21</b>	650	1.1	67.61				<b>B5/14</b>		8200		
	<b>8.9</b>	1112	0.9	157.66			<b>B5/14</b>	12500		<b>19</b>	721	1.0	74.96				<b>B5/14</b>		8200		
	<b>55</b>	185	8.7	25.65			<b>ITH132</b>	<b>B5/14</b>	18500		<b>25</b>	532	1.3				55.27		<b>B5/14</b>	8200	
	<b>51</b>	198	8.6	27.48					<b>B5/14</b>	18500		<b>21</b>	650				1.1		67.61	<b>B5/14</b>	8200
	<b>46</b>	219	7.7	30.46	<b>B5/14</b>	18500				<b>19</b>	721	1.0	74.96		<b>B5/14</b>		8200				
	<b>40</b>	249	7.6	34.61	<b>B5/14</b>	18500															
	<b>37</b>	272	7.0	37.71	<b>B5/14</b>	18500															
	<b>33</b>	301	6.3	41.80	<b>B5/14</b>	18500															
	<b>31</b>	328	5.8	45.60	<b>B5/14</b>	18500															
	<b>28</b>	359	5.3	49.88	<b>B5/14</b>	18500															

ITH









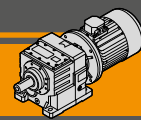
# ITH

## Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

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### Technical data

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]		
<b>1.5</b>								<b>1.5</b>									
90L4 (1400 min <sup>-1</sup> )	271	50	11	5.17	ITH122	B5/14	6002	90L4 (1400 min <sup>-1</sup> )	23	594	5.9	61.74	ITH143	B5/14	22500		
	209	66	8.4	6.69		B5/14	6929		21	642	5.5	66.73		B5/14	22500		
	180	77	7.8	7.79		B5/14	7541		18	764	4.6	79.43		B5/14	22500		
	159	87	7.5	8.82		B5/14	8073		16	826	4.2	85.85		B5/14	22500		
	139	99	7.6	10.08		B5/14	8681		13	1072	3.3	111.40		B5/14	22500		
	123	111	6.7	11.35		B5/14	9253		12	1158	3.0	120.42		B5/14	22500		
	105	131	6.5	13.30		B5/14	10067		11	1268	2.8	131.84		B5/14	22500		
	88	156	5.4	15.92		B5/14	11056		9.5	1419	2.5	147.51		B5/14	22500		
	82	168	5.1	17.11		B5/14	11473		8.6	1559	2.2	162.10		B5/14	22500		
	72	192	4.4	19.50		B5/14	12254		7.9	1712	2.0	177.95		B5/14	22500		
	65	210	4.3	21.43		B5/14	12500		7.2	1866	1.9	193.96		B5/14	22500		
	58	236	4.2	24.00		B5/14	12500		6.7	2016	1.7	209.65		B5/14	22500		
	53	258	3.8	26.28		B5/14	12500		6.1	2207	1.6	229.46		B5/14	22500		
	48	289	3.4	29.40		B5/14	12500		5.5	2432	1.4	252.87		B5/14	22500		
	43	317	3.1	32.31		B5/14	12500										
	39	348	2.8	35.47		B5/14	12500										
	34	410	2.4	41.78		B5/14	12500										
31	449	2.2	45.73	B5/14	12500												
28	495	2.0	50.40	B5/14	12500												
25	539	1.8	56.00	ITH123	B5/14	12500	90LB4 (1400 min <sup>-1</sup> )	260	65	5.4	5.38	ITH112	B5/14	4276			
23	590	1.7	61.31		B5/14	12500	216	78	4.5	6.47	B5/14		4721				
20	678	1.4	70.53		B5/14	12500	178	95	4.2	7.88	B5/14		5232				
17	779	1.3	81.00		B5/14	12500	164	103	3.9	8.54	B5/14		5455				
16	853	1.1	88.68		B5/14	12500	155	110	3.8	9.06	B5/14		5620				
13	1012	1.0	105.23	B5/14	12500	136	125	3.4	10.28	B5/14	5987						
155	89	10	9.03	ITH132	B5/14	18500	123	138	3.5	11.39	112	152	3.2	12.52	B5/14	6295	
136	101	9.4	10.30		B5/14	18500	112	152	3.2	12.52	95	179	2.8	14.80	B5/14	6584	
127	108	8.8	11.01		B5/14	18500	77	219	2.4	18.10	77	219	2.4	18.10	B5/14	7761	
113	122	9.9	12.39		B5/14	18500	69	245	2.2	20.25	69	245	2.2	20.25	B5/14	8120	
95	145	8.3	14.80		B5/14	18500	60	285	2.1	23.52	60	285	2.1	23.52	B5/14	8200	
93	148	8.8	15.11		B5/14	18500	54	317	1.9	26.16	54	317	1.9	26.16	B5/14	8200	
75	184	8.2	18.69		B5/14	18500	49	349	1.9	28.77	49	349	1.9	28.77	B5/14	8200	
69	199	8.0	20.31		B5/14	18500	44	390	1.7	32.18	44	390	1.7	32.18	B5/14	8200	
55	252	6.4	25.65		B5/14	18500	39	440	1.5	36.35	39	440	1.5	36.35	B5/14	8200	
51	270	6.3	27.48		B5/14	18500	34	504	1.4	41.57	34	504	1.4	41.57	B5/14	8200	
46	299	5.7	30.46		B5/14	18500	29	585	1.0	48.27	29	585	1.0	48.27	B5/14	8200	
40	340	5.6	34.61	ITH133	B5/14	18500	25	656	1.1	55.27	25	656	1.1	55.27	ITH113	B5/14	8200
37	370	5.1	37.71		B5/14	18500	271	61	9.0	5.17	ITH122	B5/14	5973				
33	411	4.6	41.80		B5/14	18500	209	81	6.8	6.69		B5/14	6884				
31	448	4.2	45.60		B5/14	18500	180	94	6.4	7.79		B5/14	7485				
28	490	3.9	49.88		B5/14	18500	159	107	6.1	8.82		B5/14	8004				
23	586	3.2	60.92		B5/14	18500	139	122	6.1	10.08		B5/14	8595				
22	623	3.1	64.74		B5/14	18500	123	137	5.5	11.35		B5/14	9150				
20	682	2.8	70.88		B5/14	18500	105	161	5.3	13.30		B5/14	9935				
18	754	2.5	78.38		B5/14	18500	88	193	4.4	15.92		B5/14	10880				
16	838	2.3	87.14		B5/14	18500	82	207	4.1	17.11		B5/14	11276				
15	920	2.1	95.67		B5/14	18500	72	236	3.6	19.50		B5/14	12012				
13	1057	1.8	109.93		B5/14	18500	65	260	3.5	21.43		B5/14	12500				
12	1158	1.6	120.36		B5/14	18500	58	291	3.4	24.00		B5/14	12500				
10	1295	1.5	134.66	B5/14	18500	53	318	3.1	26.28	B5/14		12500					
9.5	1423	1.3	147.98	B5/14	18500	48	356	2.8	29.40	B5/14	12500						
8.6	1562	1.2	162.45	B5/14	18500	43	391	2.5	32.31	B5/14	12500						
7.3	1841	1.0	191.39	B5/14	18500	39	430	2.3	35.47	B5/14	12500						
						34	506	1.9	41.78	B5/14	12500						
						31	554	1.8	45.73	B5/14	12500						
						28	611	1.6	50.40	B5/14	12500						
						25	664	1.5	56.00	ITH123	B5/14	12500					
						23	727	1.3	61.31		B5/14	12500					
						20	837	1.2	70.53		B5/14	12500					
						17	961	1.0	81.00		B5/14	12500					
						16	1052	0.9	88.68		B5/14	12500					
						16	1052	0.9	88.68		B5/14	12500					



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Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]	
<b>1.85</b>								<b>2.2</b>								
90LB4 (1400 min <sup>-1</sup> )	<b>155</b>	109	8.2	9.03	ITH132	<b>B5/14</b>	18500	100LA4 (1400 min <sup>-1</sup> )	271	73	7.5	5.17	ITH122	<b>B5/14</b>	5944	
	<b>136</b>	125	7.6	10.30		<b>B5/14</b>	18500		209	96	5.7	6.69		<b>B5/14</b>	6840	
	<b>127</b>	133	7.1	11.01		<b>B5/14</b>	18500		180	112	5.3	7.79		<b>B5/14</b>	7428	
	<b>113</b>	150	8.0	12.39		<b>B5/14</b>	18500		159	127	5.1	8.82		<b>B5/14</b>	7935	
	<b>95</b>	179	6.7	14.80		<b>B5/14</b>	18500		139	145	5.2	10.08		<b>B5/14</b>	8510	
	<b>93</b>	183	7.1	15.11		<b>B5/14</b>	18500		123	164	4.6	11.35		<b>B5/14</b>	9047	
	<b>75</b>	226	6.6	18.69		<b>B5/14</b>	18500		105	192	4.4	13.30		<b>B5/14</b>	9803	
	<b>69</b>	246	6.5	20.31		<b>B5/14</b>	18500		88	229	3.7	15.92		<b>B5/14</b>	10704	
	<b>55</b>	311	5.1	25.65		<b>B5/14</b>	18500		82	247	3.4	17.11		<b>B5/14</b>	11079	
	<b>51</b>	333	5.1	27.48		<b>B5/14</b>	18500		72	281	3.0	19.50		<b>B5/14</b>	11770	
	<b>46</b>	369	4.6	30.46		<b>B5/14</b>	18500		65	309	2.9	21.43		<b>B5/14</b>	12276	
	<b>40</b>	419	4.5	34.61		<b>B5/14</b>	18500		58	346	2.8	24.00		<b>B5/14</b>	12500	
	<b>37</b>	457	4.2	37.71		<b>B5/14</b>	18500		53	379	2.6	26.28		<b>B5/14</b>	12500	
	<b>33</b>	506	3.8	41.80		<b>B5/14</b>	18500		48	424	2.3	29.40		<b>B5/14</b>	12500	
	<b>31</b>	552	3.4	45.60	<b>B5/14</b>	18500		43	465	2.1	32.31	<b>B5/14</b>	12500			
	<b>28</b>	604	3.1	49.88	<b>B5/14</b>	18500		39	511	1.9	35.47	<b>B5/14</b>	12500			
					ITH133	<b>B5/14</b>	18500		34	602	1.6	41.78	<b>B5/14</b>	12500		
	<b>23</b>	723	2.6	60.92		<b>B5/14</b>	18500		31	659	1.5	45.73	<b>B5/14</b>	12500		
	<b>22</b>	768	2.5	64.74		<b>B5/14</b>	18500		28	726	1.3	50.40	<b>B5/14</b>	12500		
	<b>20</b>	841	2.3	70.88		<b>B5/14</b>	18500			<b>25</b>	790	1.2	56.00	ITH123	<b>B5/14</b>	12500
	<b>18</b>	930	2.0	78.38		<b>B5/14</b>	18500			<b>23</b>	865	1.1	61.31		<b>B5/14</b>	12500
	<b>16</b>	1034	1.8	87.14		<b>B5/14</b>	18500			<b>20</b>	995	1.0	70.53		<b>B5/14</b>	12500
	<b>15</b>	1135	1.7	95.67		<b>B5/14</b>	18500			<b>155</b>	130	6.9	9.03	ITH132	<b>B5/14</b>	18500
	<b>13</b>	1304	1.5	109.93		<b>B5/14</b>	18500			<b>136</b>	148	6.4	10.30		<b>B5/14</b>	18500
	<b>12</b>	1428	1.3	120.36		<b>B5/14</b>	18500			<b>127</b>	159	6.0	11.01		<b>B5/14</b>	18500
	<b>10</b>	1597	1.2	134.66		<b>B5/14</b>	18500			<b>113</b>	179	6.7	12.39		<b>B5/14</b>	18500
	<b>9.5</b>	1755	1.1	147.98	<b>B5/14</b>	18500			<b>95</b>	213	5.6	14.80	<b>B5/14</b>		18500	
	<b>8.6</b>	1927	1.0	162.45	<b>B5/14</b>	18500			<b>93</b>	218	6.0	15.11	<b>B5/14</b>		18500	
					ITH143	<b>B5/14</b>	22500		<b>93</b>	218	6.0	15.11	<b>B5/14</b>		18500	
	<b>23</b>	732	4.8	61.74		<b>B5/14</b>	22500			<b>75</b>	269	5.6	18.69		<b>B5/14</b>	18500
	<b>21</b>	792	4.4	66.73		<b>B5/14</b>	22500			<b>69</b>	293	5.5	20.31		<b>B5/14</b>	18500
	<b>18</b>	942	3.7	79.43		<b>B5/14</b>	22500			<b>55</b>	370	4.3	25.65		<b>B5/14</b>	18500
	<b>16</b>	1018	3.4	85.85		<b>B5/14</b>	22500			<b>51</b>	396	4.3	27.48		<b>B5/14</b>	18500
	<b>13</b>	1322	2.6	111.40		<b>B5/14</b>	22500			<b>46</b>	439	3.9	30.46		<b>B5/14</b>	18500
	<b>12</b>	1428	2.5	120.42		<b>B5/14</b>	22500			<b>40</b>	499	3.8	34.61	<b>B5/14</b>	18500	
	<b>11</b>	1564	2.2	131.84		<b>B5/14</b>	22500			<b>37</b>	543	3.5	37.71	<b>B5/14</b>	18500	
	<b>9.5</b>	1750	2.0	147.51		<b>B5/14</b>	22500			<b>33</b>	602	3.2	41.80	<b>B5/14</b>	18500	
	<b>8.6</b>	1923	1.8	162.10		<b>B5/14</b>	22500			<b>31</b>	657	2.9	45.60	<b>B5/14</b>	18500	
	<b>7.9</b>	2111	1.7	177.95		<b>B5/14</b>	22500			<b>28</b>	719	2.6	49.88	<b>B5/14</b>	18500	
	<b>7.2</b>	2301	1.5	193.96		<b>B5/14</b>	22500			<b>23</b>	859	2.2	60.92	ITH133	<b>B5/14</b>	18500
	<b>6.7</b>	2487	1.4	209.65	<b>B5/14</b>	22500			<b>22</b>	913	2.1	64.74	<b>B5/14</b>		18500	
	<b>6.1</b>	2722	1.3	229.46	<b>B5/14</b>	22500			<b>20</b>	1000	1.9	70.88	<b>B5/14</b>		18500	
	<b>5.5</b>	3000	1.2	252.87	<b>B5/14</b>	22500			<b>18</b>	1106	1.7	78.38	<b>B5/14</b>		18500	
									<b>16</b>	1229	1.5	87.14	<b>B5/14</b>		18500	
									<b>15</b>	1350	1.4	95.67	<b>B5/14</b>		18500	
									<b>13</b>	1551	1.2	109.93	<b>B5/14</b>		18500	
									<b>12</b>	1698	1.1	120.36	<b>B5/14</b>	18500		
									<b>10</b>	1900	1.0	134.66	<b>B5/14</b>	18500		
									<b>85</b>	236	9.7	16.40	ITH142	<b>B5/14</b>	22500	
									<b>69</b>	292	9.6	20.24		<b>B5/14</b>	22500	
									<b>54</b>	374	8.5	25.99		<b>B5/14</b>	22500	
									<b>43</b>	466	6.9	32.35		<b>B5/14</b>	22500	
									<b>32</b>	628	5.1	43.57		<b>B5/14</b>	22500	
									<b>30</b>	682	4.7	47.35		<b>B5/14</b>	22500	
									<b>27</b>	746	4.3	51.76		<b>B5/14</b>	22500	
														<b>B5/14</b>	22500	
														<b>B5/14</b>	22500	
														<b>B5/14</b>	22500	

**2.2**

100LA4  
(1400 min<sup>-1</sup>)

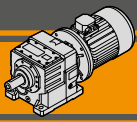
ITH112

**B5/14** 4240  
**B5/14** 4672  
**B5/14** 5166  
**B5/14** 5379  
**B5/14** 5537  
**B5/14** 5886  
**B5/14** 6175  
**B5/14** 6446  
**B5/14** 6933  
**B5/14** 7513  
**B5/14** 7823  
**B5/14** 8200  
**B5/14** 8200  
**B5/14** 8200  
**B5/14** 8200  
**B5/14** 8200

260 77 4.5 5.38  
216 93 3.8 6.47  
178 113 3.5 7.88  
164 123 3.3 8.54  
155 131 3.2 9.06  
136 148 2.8 10.28  
123 164 2.9 11.39  
112 180 2.7 12.52  
95 213 2.3 14.80  
77 261 2.0 18.10  
69 292 1.8 20.25  
60 339 1.8 23.52  
54 377 1.6 26.16  
49 414 1.6 28.77  
44 464 1.5 32.18  
39 524 1.3 36.35  
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



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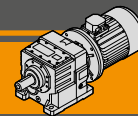




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



**Technical data**

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	
<b>2.2</b>								<b>3.0</b>								
100LA4 (1400 min <sup>-1</sup> )	<b>23</b>	871	4.0	61.74	<b>ITH143</b>	<b>B5/14</b>	22500	100LB4 (1400 min <sup>-1</sup> )	<b>155</b>	177	5.1	9.03	<b>ITH132</b>	<b>B5/14</b>	18500	
	<b>21</b>	941	3.7	66.73		<b>B5/14</b>	22500	<b>136</b>	202	4.7	10.30	<b>B5/14</b>		18500		
	<b>18</b>	1120	3.1	79.43		<b>B5/14</b>	22500	<b>127</b>	216	4.4	11.01	<b>B5/14</b>		18500		
	<b>16</b>	1211	2.9	85.85		<b>B5/14</b>	22500	<b>113</b>	243	4.9	12.39	<b>B5/14</b>		18500		
	<b>13</b>	1572	2.2	111.40		<b>B5/14</b>	22500	<b>95</b>	291	4.1	14.80	<b>B5/14</b>		18500		
	<b>12</b>	1699	2.1	120.42		<b>B5/14</b>	22500	<b>93</b>	297	4.4	15.11	<b>B5/14</b>		18500		
	<b>11</b>	1860	1.9	131.84		<b>B5/14</b>	22500	<b>75</b>	367	4.1	18.69	<b>B5/14</b>		18500		
	<b>9.5</b>	2081	1.7	147.51		<b>B5/14</b>	22500	<b>69</b>	399	4.0	20.31	<b>B5/14</b>		18500		
	<b>8.6</b>	2287	1.5	162.10		<b>B5/14</b>	22500	<b>55</b>	504	3.2	25.65	<b>B5/14</b>		18500		
	<b>7.9</b>	2510	1.4	177.95		<b>B5/14</b>	22500	<b>51</b>	540	3.1	27.48	<b>B5/14</b>		18500		
	<b>7.2</b>	2736	1.3	193.96		<b>B5/14</b>	22500	<b>46</b>	598	2.8	30.46	<b>B5/14</b>		18500		
	<b>6.7</b>	2957	1.2	209.65		<b>B5/14</b>	22500	<b>40</b>	680	2.8	34.61	<b>B5/14</b>		18500		
	<b>6.1</b>	3237	1.1	229.46		<b>B5/14</b>	22500	<b>37</b>	741	2.6	37.71	<b>B5/14</b>		18500		
	<b>5.5</b>	3567	1.0	252.87	<b>B5/14</b>	22500	<b>33</b>	821	2.3	41.80	<b>B5/14</b>	18500				
							<b>31</b>	896	2.1	45.60	<b>B5/14</b>	18500				
							<b>28</b>	980	1.9	49.88	<b>B5/14</b>	18500				
<b>3.0</b>								<b>3.0</b>								
100LB4 (1400 min <sup>-1</sup> )	<b>260</b>	106	3.3	5.38	<b>ITH112</b>	<b>B5/14</b>	4157		<b>23</b>	1172	1.6	60.92	<b>ITH133</b>	<b>B5/14</b>	18500	
	<b>216</b>	127	2.8	6.47		<b>B5/14</b>	4561	<b>22</b>	1245	1.5	64.74	<b>B5/14</b>		18500		
	<b>178</b>	155	2.6	7.88		<b>B5/14</b>	5014	<b>20</b>	1363	1.4	70.88	<b>B5/14</b>		18500		
	<b>164</b>	168	2.4	8.54		<b>B5/14</b>	5207	<b>18</b>	1508	1.3	78.38	<b>B5/14</b>		18500		
	<b>155</b>	178	2.4	9.06		<b>B5/14</b>	5348	<b>16</b>	1676	1.1	87.14	<b>B5/14</b>		18500		
	<b>136</b>	202	2.1	10.28		<b>B5/14</b>	5654	<b>15</b>	1840	1.0	95.67	<b>B5/14</b>		18500		
	<b>123</b>	224	2.1	11.39		<b>B5/14</b>	5903									
	<b>112</b>	246	2.0	12.52		<b>B5/14</b>	6130	<b>110</b>	251	8.8	12.78	<b>ITH142</b>		<b>B5/14</b>	22500	
	<b>95</b>	291	1.7	14.80		<b>B5/14</b>	6521	<b>99</b>	277	8.3	14.08			<b>B5/14</b>	22500	
	<b>77</b>	356	1.5	18.10		<b>B5/14</b>	6946	<b>85</b>	322	7.1	16.40			<b>B5/14</b>	22500	
	<b>69</b>	398	1.3	20.25		<b>B5/14</b>	7146	<b>69</b>	398	7.0	20.24			<b>B5/14</b>	22500	
	<b>60</b>	462	1.3	23.52		<b>B5/14</b>	7350	<b>54</b>	511	6.3	25.99			<b>B5/14</b>	22500	
	<b>54</b>	514	1.2	26.16		<b>B5/14</b>	7437	<b>43</b>	636	5.0	32.35			<b>B5/14</b>	22500	
	<b>49</b>	565	1.2	28.77	<b>B5/14</b>	7459	<b>32</b>	856	3.7	43.57	<b>B5/14</b>		22500			
	<b>44</b>	632	1.1	32.18	<b>B5/14</b>	7402	<b>30</b>	930	3.4	47.35	<b>B5/14</b>		22500			
	<b>39</b>	714	1.0	36.35	<b>B5/14</b>	7212	<b>27</b>	1017	3.1	51.76	<b>B5/14</b>		22500			
	<b>271</b>	99	5.5	5.17	<b>ITH122</b>	<b>B5/14</b>	5878		<b>23</b>	1188	2.9		61.74	<b>ITH143</b>	<b>B5/14</b>	22500
	<b>209</b>	131	4.2	6.69		<b>B5/14</b>	6738	<b>21</b>	1284	2.7	66.73		<b>B5/14</b>		22500	
	<b>180</b>	153	3.9	7.79		<b>B5/14</b>	7298	<b>18</b>	1528	2.3	79.43		<b>B5/14</b>		22500	
	<b>159</b>	173	3.8	8.82		<b>B5/14</b>	7777	<b>16</b>	1651	2.1	85.85		<b>B5/14</b>		22500	
	<b>139</b>	198	3.8	10.08		<b>B5/14</b>	8315	<b>13</b>	2143	1.6	111.40	<b>B5/14</b>	22500			
	<b>123</b>	223	3.4	11.35		<b>B5/14</b>	8812	<b>12</b>	2316	1.5	120.42	<b>B5/14</b>	22500			
	<b>105</b>	261	3.3	13.30		<b>B5/14</b>	9500	<b>11</b>	2536	1.4	131.84	<b>B5/14</b>	22500			
	<b>88</b>	313	2.7	15.92		<b>B5/14</b>	10302	<b>9.5</b>	2838	1.2	147.51	<b>B5/14</b>	22500			
	<b>82</b>	336	2.5	17.11		<b>B5/14</b>	10628	<b>8.6</b>	3118	1.1	162.10	<b>B5/14</b>	22500			
	<b>72</b>	383	2.2	19.50		<b>B5/14</b>	11215	<b>7.9</b>	3423	1.0	177.95	<b>B5/14</b>	22500			
	<b>65</b>	421	2.1	21.43		<b>B5/14</b>	11633									
	<b>58</b>	471	2.1	24.00		<b>B5/14</b>	12118									
	<b>53</b>	516	1.9	26.28		<b>B5/14</b>	12487									
	<b>48</b>	578	1.7	29.40	<b>B5/14</b>	12500										
	<b>43</b>	635	1.5	32.31	<b>B5/14</b>	12500										
	<b>39</b>	697	1.4	35.47	<b>B5/14</b>	12500										
	<b>34</b>	821	1.2	41.78	<b>B5/14</b>	12500										
	<b>31</b>	898	1.1	45.73	<b>B5/14</b>	12500										
	<b>28</b>	990	1.0	50.40	<b>B5/14</b>	12500										
	<b>25</b>	1077	0.9	56.00	<b>ITH123</b>	<b>B5/14</b>	12500									
<b>4.0</b>								<b>4.0</b>								
								112M4 (1400 min <sup>-1</sup> )	<b>260</b>	141	2.5	5.38	<b>ITH112</b>	<b>B5/14</b>	4053	
								<b>216</b>	169	2.1	6.47	<b>B5/14</b>		4422		
								<b>178</b>	206	1.9	7.88	<b>B5/14</b>		4824		
								<b>164</b>	224	1.8	8.54	<b>B5/14</b>		4991		
								<b>155</b>	237	1.8	9.06	<b>B5/14</b>		5111		
								<b>136</b>	269	1.6	10.28	<b>B5/14</b>		5365		
								<b>123</b>	298	1.6	11.39	<b>B5/14</b>		5563		
								<b>112</b>	328	1.5	12.52	<b>B5/14</b>		5735		
								<b>95</b>	388	1.3	14.80	<b>B5/14</b>		6005		
								<b>77</b>	474	1.1	18.10	<b>B5/14</b>		6237		
								<b>69</b>	530	1.0	20.25	<b>B5/14</b>		6299		
								<b>60</b>	616	1.0	23.52	<b>B5/14</b>		6277		

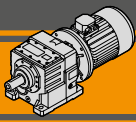


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



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



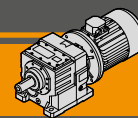


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













$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	
<b>5.5</b>								<b>9.2</b>								
132S4 (1400 min <sup>-1</sup> )	<b>23</b>	2177	1.6	61.74	<b>ITH143</b>	<b>B5/B14</b>	22500	132L4 (1400 min <sup>-1</sup> )	<b>260</b>	324	1.1	5.38	<b>ITH112</b>	<b>B5/B14</b>	3514	
	<b>21</b>	2353	1.5	66.73		<b>B5/B14</b>	22500		<b>271</b>	305	1.8	5.17		<b>ITH122</b>	<b>B5/B14</b>	5364
	<b>18</b>	2801	1.2	79.43		<b>B5/B14</b>	22500		<b>209</b>	403	1.4	6.69			<b>B5/B14</b>	5949
	<b>16</b>	3028	1.2	85.85		<b>B5/B14</b>	22500		<b>180</b>	469	1.3	7.79			<b>B5/B14</b>	6293
								<b>159</b>	531	1.2	8.82	<b>B5/B14</b>	6554			
								<b>139</b>	607	1.2	10.08	<b>B5/B14</b>	6805			
								<b>123</b>	684	1.1	11.35	<b>B5/B14</b>	6989			
								<b>105</b>	801	1.1	13.30	<b>B5/B14</b>	7157			
<b>7.5</b>									<b>278</b>	297	2.9	5.03	<b>ITH132</b>	<b>B5/B14</b>	12784	
132MA4 (1400 min <sup>-1</sup> )	<b>260</b>	264	1.3	5.38	<b>ITH112</b>	<b>B5/B14</b>	3691	<b>230</b>	367	2.3	6.09	<b>B5/B14</b>		13938		
	<b>216</b>	318	1.1	6.47		<b>B5/B14</b>	3935	<b>203</b>	416	2.2	6.91	<b>B5/B14</b>		14736		
	<b>178</b>	387	1.0	7.88		<b>B5/B14</b>	4160	<b>186</b>	452	2.0	7.51	<b>B5/B14</b>		15266		
	<b>164</b>	420	1.0	8.54		<b>B5/B14</b>	4235	<b>167</b>	504	1.8	8.36	<b>B5/B14</b>	15945			
	<b>155</b>	445	0.9	9.06	<b>B5/B14</b>	4282	<b>155</b>	544	1.7	9.03	<b>B5/B14</b>	16426				
	<b>271</b>	249	2.2	5.17	<b>ITH122</b>	<b>B5/B14</b>	5505	<b>136</b>	621	1.5	10.30	<b>B5/B14</b>	17221			
	<b>209</b>	328	1.7	6.69		<b>B5/B14</b>	6166	<b>127</b>	663	1.4	11.01	<b>B5/B14</b>	17599			
	<b>180</b>	383	1.6	7.79		<b>B5/B14</b>	6569	<b>113</b>	747	1.6	12.39	<b>B5/B14</b>	18229			
	<b>159</b>	433	1.5	8.82		<b>B5/B14</b>	6890	<b>95</b>	892	1.3	14.80	<b>B5/B14</b>	18500			
	<b>139</b>	495	1.5	10.08	<b>B5/B14</b>	7219	<b>127</b>	663	1.4	11.01	<b>B5/B14</b>	17599				
	<b>123</b>	557	1.3	11.35	<b>B5/B14</b>	7489	<b>113</b>	747	1.6	12.39	<b>B5/B14</b>	18229				
	<b>105</b>	653	1.3	13.30	<b>B5/B14</b>	7800	<b>95</b>	892	1.3	14.80	<b>B5/B14</b>	18500				
	<b>88</b>	782	1.1	15.92	<b>B5/B14</b>	8042	<b>93</b>	910	1.4	15.11	<b>B5/B14</b>	18500				
	<b>82</b>	840	1.0	17.11	<b>B5/B14</b>	8094	<b>75</b>	1126	1.3	18.69	<b>B5/B14</b>	18500				
	<b>278</b>	242	3.5	5.03	<b>ITH132</b>	<b>B5/B14</b>	13028	<b>69</b>	1223	1.3	20.31	<b>B5/B14</b>	18500			
	<b>230</b>	299	2.8	6.09		<b>B5/B14</b>	14276	<b>55</b>	1545	1.0	25.65	<b>B5/B14</b>	18500			
	<b>203</b>	339	2.7	6.91		<b>B5/B14</b>	15148	<b>51</b>	1656	1.0	27.48	<b>B5/V14</b>	18104			
	<b>186</b>	369	2.4	7.51		<b>B5/B14</b>	15736	<b>228</b>	363	5.0	6.15	<b>ITH142</b>	<b>B5/B14</b>	21179		
	<b>167</b>	411	2.2	8.36	<b>B5/B14</b>	16503	<b>190</b>	443	4.1	7.35	<b>B5/B14</b>		22500			
	<b>155</b>	444	2.0	9.03	<b>B5/B14</b>	17056	<b>158</b>	535	3.7	8.88	<b>B5/B14</b>		22500			
	<b>136</b>	506	1.9	10.30	<b>B5/B14</b>	17997	<b>144</b>	587	3.4	9.75	<b>B5/B14</b>		22500			
	<b>127</b>	541	1.8	11.01	<b>B5/B14</b>	18461	<b>135</b>	623	3.4	10.35	<b>B5/B14</b>	22500				
	<b>113</b>	609	2.0	12.39	<b>B5/B14</b>	18500	<b>120</b>	702	3.0	11.65	<b>B5/B14</b>	22500				
	<b>95</b>	727	1.7	14.80	<b>B5/B14</b>	18500	<b>110</b>	770	2.9	12.78	<b>B5/B14</b>	22500				
	<b>93</b>	742	1.8	15.11	<b>B5/B14</b>	18500	<b>99</b>	848	2.7	14.08	<b>B5/B14</b>	22500				
	<b>75</b>	918	1.6	18.69	<b>B5/B14</b>	18500	<b>85</b>	988	2.3	16.40	<b>B5/B14</b>	22500				
	<b>69</b>	997	1.6	20.31	<b>B5/B14</b>	18500	<b>79</b>	1068	2.6	17.73	<b>B5/B14</b>	22500				
	<b>55</b>	1260	1.3	25.65	<b>B5/B14</b>	18500	<b>69</b>	1219	2.3	20.24	<b>B5/B14</b>	22500				
	<b>51</b>	1350	1.3	27.48	<b>B5/B14</b>	18500	<b>54</b>	1566	2.0	25.99	<b>B5/B14</b>	22500				
	<b>46</b>	1496	1.1	30.46	<b>B5/B14</b>	18500	<b>50</b>	1693	1.9	28.10	<b>B5/B14</b>	22500				
	<b>40</b>	1700	1.1	34.61	<b>B5/B14</b>	18500	<b>43</b>	1949	1.6	32.35	<b>B5/B14</b>	22500				
	<b>37</b>	1852	1.0	37.71	<b>B5/B14</b>	18500	<b>38</b>	2234	1.4	37.09	<b>B5/B14</b>	22500				
	<b>228</b>	296	6.1	6.15	<b>ITH142</b>	<b>B5/B14</b>	21469	<b>32</b>	2625	1.2	43.57	<b>B5/B14</b>	22500			
	<b>190</b>	361	5.0	7.35		<b>B5/B14</b>	22500	<b>30</b>	2853	1.1	47.35	<b>B5/B14</b>	22500			
	<b>158</b>	436	4.6	8.88		<b>B5/B14</b>	22500	<b>27</b>	3118	1.0	51.76	<b>B5/B14</b>	22500			
	<b>144</b>	479	4.2	9.75		<b>B5/B14</b>	22500	<b>23</b>	3642	1.0	61.74	<b>ITH143</b>	<b>B5/B14</b>	22500		
	<b>135</b>	508	4.1	10.35	<b>B5/B14</b>	22500										
	<b>120</b>	572	3.7	11.65	<b>B5/B14</b>	22500										
	<b>110</b>	627	3.5	12.78	<b>B5/B14</b>	22500										
	<b>99</b>	691	3.3	14.08	<b>B5/B14</b>	22500										
	<b>85</b>	805	2.9	16.40	<b>B5/B14</b>	22500										
	<b>79</b>	871	3.2	17.73	<b>B5/B14</b>	22500										
	<b>69</b>	994	2.8	20.24	<b>B5/B14</b>	22500										
	<b>54</b>	1277	2.5	25.99	<b>B5/B14</b>	22500										
	<b>50</b>	1380	2.3	28.10	<b>B5/B14</b>	22500										
	<b>43</b>	1589	2.0	32.35	<b>B5/B14</b>	22500										
	<b>38</b>	1821	1.8	37.09	<b>B5/B14</b>	22500										
	<b>32</b>	2140	1.5	43.57	<b>B5/B14</b>	22500										
	<b>30</b>	2326	1.4	47.35	<b>B5/B14</b>	22500										
	<b>27</b>	2542	1.3	51.76	<b>B5/B14</b>	22500										
	<b>23</b>	2969	1.2	61.74	<b>ITH143</b>	<b>B5/B14</b>	22500									
	<b>21</b>	3209	1.1	66.73		<b>B5/B14</b>	22500									
<b>11.0</b>									<b>278</b>	355	2.4	5.03	<b>ITH132</b>	<b>B5</b>	12525	
								160M4 (1400 min <sup>-1</sup> )	<b>230</b>	439	1.9	6.09		<b>B5</b>	13580	
									<b>203</b>	498	1.8	6.91		<b>B5</b>	14299	
									<b>186</b>	541	1.7	7.51		<b>B5</b>	14768	
									<b>167</b>	602	1.5	8.36	<b>B5</b>	15355		
									<b>155</b>	650	1.4	9.03	<b>B5</b>	15759		
									<b>136</b>	742	1.3	10.30	<b>B5</b>	16398		
									<b>127</b>	793	1.2	11.01	<b>B5</b>	16686		
									<b>113</b>	893	1.3	12.39	<b>B5</b>	17128		
									<b>95</b>	1066	1.1	14.80	<b>B5</b>	17547		
									<b>93</b>	1088	1.2	15.11	<b>B5</b>	17571		
									<b>75</b>	1346	1.1	18.69	<b>B5</b>	17421		
									<b>69</b>	1463	1.1	20.31	<b>B5</b>	17114		

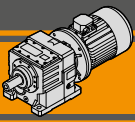




Dati tecnici

Technical data

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]	$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$R_2$ [N]							
<b>11.0</b>								<b>22.0</b>														
160M4 (1400 min <sup>-1</sup> )	<b>228</b>	434	4.1	6.15	ITH142		B5	20871	180L4 (1400 min <sup>-1</sup> )	<b>278</b>	710	1.2	5.03	ITH132		B5	10941					
	<b>190</b>	529	3.4	7.35			B5	22500		<b>230</b>	878	1.0	6.09			B5	11394					
	<b>158</b>	640	3.1	8.88			B5	22500		<b>228</b>	868	2.1	6.15			ITH142		B5	18992			
	<b>144</b>	702	2.8	9.75			B5	22500			<b>190</b>	1059	1.7					7.35	B5	20034		
	<b>135</b>	745	2.8	10.35			B5	22500			<b>158</b>	1280	1.6					8.88	B5	21065		
	<b>120</b>	839	2.5	11.65			B5	22500			<b>144</b>	1404	1.4					9.75	B5	21474		
	<b>110</b>	920	2.4	12.78			B5	22500			<b>135</b>	1491	1.4					10.35	B5	21693		
	<b>99</b>	1014	2.3	14.08			B5	22500			<b>120</b>	1678	1.3					11.65	B5	22000		
	<b>85</b>	1181	1.9	16.40			B5	22500			<b>110</b>	1840	1.2					12.78	B5	22097		
	<b>79</b>	1277	2.2	17.73			B5	22500			<b>99</b>	2028	1.1					14.08	B5	22028		
	<b>69</b>	1458	1.9	20.24			B5	22500			<b>85</b>	2362	1.0					16.40	B5	22145		
	<b>54</b>	1872	1.7	25.99			B5	22500			<b>79</b>	2555	1.1					17.73	B5	20928		
	<b>50</b>	2024	1.6	28.10			B5	22500		<b>69</b>	2916	1.0	20.24			B5	19494					
	<b>43</b>	2330	1.4	32.35			B5	22500		<b>30.0</b>												
	<b>38</b>	2671	1.2	37.09			B5	22500		200L4 (1400 min <sup>-1</sup> )	<b>228</b>	1183	1.5			6.15	ITH142		B5	17626		
<b>32</b>	3139	1.0	43.57	B5	22500	<b>190</b>	1444	1.2	7.35	B5	18195											
<b>15.0</b>								<b>158</b>	1745	1.1	8.88	B5	18598									
160L4 (1400 min <sup>-1</sup> )	<b>230</b>	598	1.4	6.09	ITH132		B5	11949	<b>144</b>	1915	1.0	9.75	B5	18625								
	<b>203</b>	679	1.3	6.91			B5	13329	<b>135</b>	2033	1.0	10.35	B5	18568								
	<b>186</b>	738	1.2	7.51			B5	13661	<b>120</b>	2288	0.9	11.65	B5	18247								
	<b>167</b>	821	1.1	8.36			B5	14043	<b>200L4</b>													
	<b>155</b>	887	1.0	9.03			B5	14276	200L4 (1400 min <sup>-1</sup> )	<b>228</b>	1183	1.5	6.15	ITH142		B5			17626			
	<b>228</b>	592	3.0	6.15			ITH142		B5	20188	<b>190</b>	1444	1.2			7.35			B5	18195		
	<b>190</b>	722	2.5	7.35					B5	21643	<b>158</b>	1745	1.1			8.88			B5	18598		
	<b>158</b>	873	2.3	8.88					B5	22500	<b>144</b>	1915	1.0			9.75			B5	18625		
	<b>144</b>	957	2.1	9.75					B5	22500	<b>135</b>	2033	1.0			10.35			B5	18568		
	<b>135</b>	1016	2.1	10.35					B5	22500	<b>120</b>	2288	0.9			11.65			B5	18247		
	<b>120</b>	1144	1.8	11.65					B5	22500	<b>18.5</b>											
	<b>110</b>	1255	1.8	12.78					B5	22500	180M4 (1400 min <sup>-1</sup> )	<b>278</b>	597			1.4			5.03	ITH132		B5
	<b>99</b>	1383	1.7	14.08					B5	22500	<b>230</b>	738	1.2			6.09	B5	12090				
	<b>85</b>	1610	1.4	16.40					B5	22500	<b>203</b>	837	1.1			6.91	B5	12480				
	<b>79</b>	1742	1.6	17.73					B5	22500	<b>186</b>	910	1.0			7.51	B5	12692				
<b>69</b>	1988	1.4	20.24	B5	22500	<b>180M4</b>																
<b>54</b>	2553	1.3	25.99	B5	22500	180M4 (1400 min <sup>-1</sup> )			<b>278</b>	597	1.4	5.03	ITH142				B5	19590				
<b>50</b>	2760	1.2	28.10	B5	22500	<b>230</b>			738	1.2	6.09	B5					20839					
<b>43</b>	3178	1.0	32.35	B5	22410	<b>203</b>			837	1.1	6.91	B5					22145					
<b>18.5</b>									<b>158</b>	1076	1.9	8.88		B5	22500							
180M4 (1400 min <sup>-1</sup> )	<b>228</b>	730	2.5	6.15	ITH142		B5	19590	<b>144</b>	1181	1.7	9.75		B5	22500							
	<b>190</b>	890	2.0	7.35			B5	20839	<b>135</b>	1254	1.7	10.35		B5	22500							
	<b>158</b>	1076	1.9	8.88			B5	22145	<b>120</b>	1411	1.5	11.65		B5	22500							
	<b>144</b>	1181	1.7	9.75			B5	22500	<b>110</b>	1548	1.4	12.78		B5	22500							
	<b>135</b>	1254	1.7	10.35			B5	22500	<b>99</b>	1705	1.3	14.08		B5	22500							
	<b>120</b>	1411	1.5	11.65			B5	22500	<b>85</b>	1986	1.2	16.40		B5	22500							
	<b>110</b>	1548	1.4	12.78			B5	22500	<b>79</b>	2148	1.3	17.73		B5	22500							
	<b>99</b>	1705	1.3	14.08			B5	22500	<b>69</b>	2452	1.1	20.24		B5	22500							
	<b>85</b>	1986	1.2	16.40			B5	22500	<b>54</b>	3149	1.0	25.99		B5	20141							
	<b>79</b>	2148	1.3	17.73			B5	22500	<b>Products - TransTech - Helixline</b>													
	<b>69</b>	2452	1.1	20.24			B5	22500	<b>B19</b>													
	<b>54</b>	3149	1.0	25.99			B5	20141	<b>Products - TransTech - Helixline</b>													

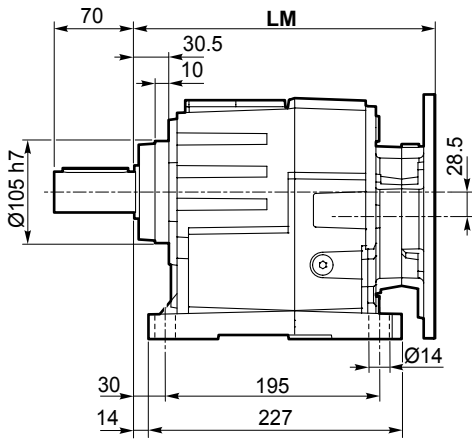


**Dimensioni**

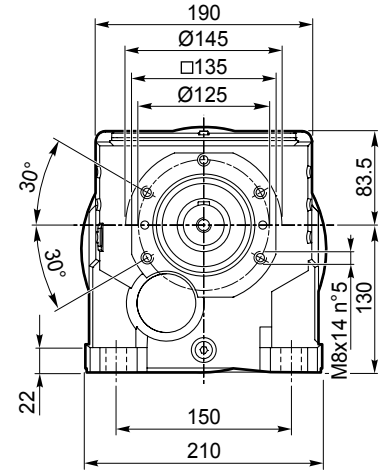
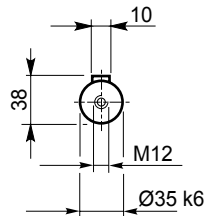
**Dimensions**

**ITH 112 - ITH 113**

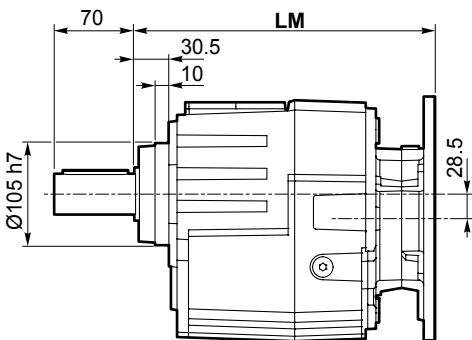
**ITH 112 U  
ITH 113 U**



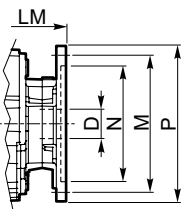
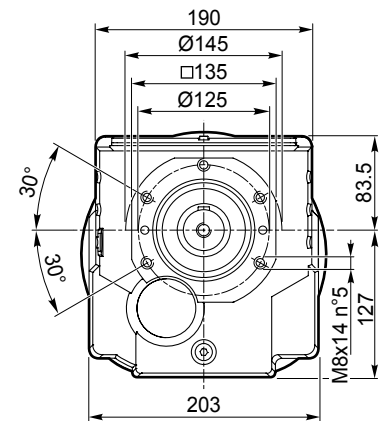
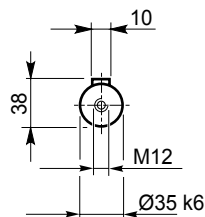
Albero uscita  
Output shaft



**ITH 112 G  
ITH 113 G**

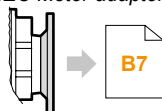


Albero uscita  
Output shaft

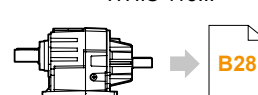


Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
<b>LM</b>	289			293,5	293	293,5	314	
<b>N</b>	110	130	130	95	180	110	230	130
<b>M</b>	130	165	165	115	215	130	265	165
<b>P</b>	160	200	200	130	250	160	300	200
<b>D</b>	14	19	24		28		38	

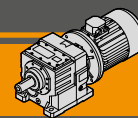
IEC Motori applicabili  
IEC Motor adapters



ITHIS 112...  
ITHIS 113...





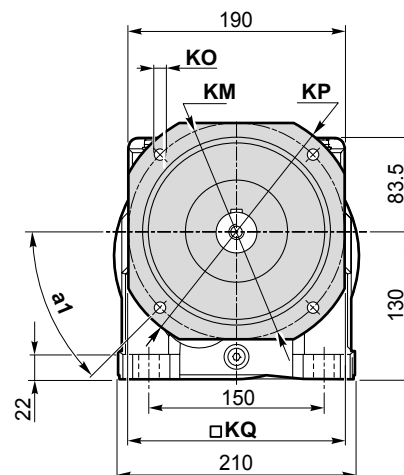
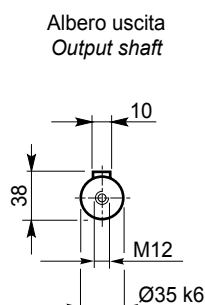
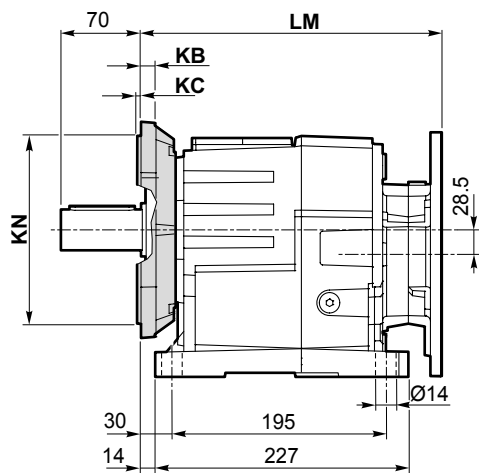


Dimensioni

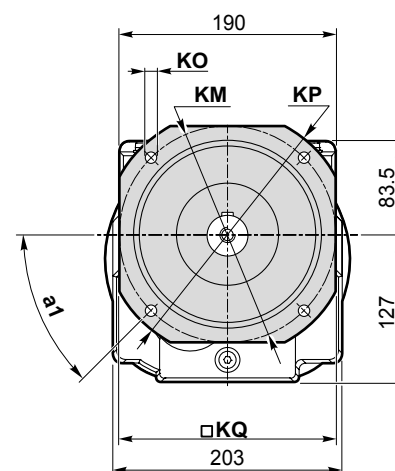
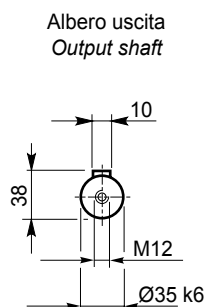
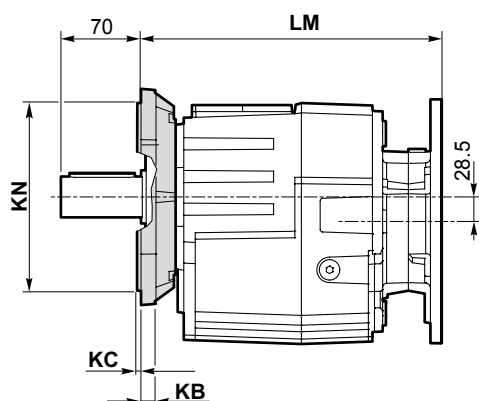
Dimensions

ITH 112 - ITH 113

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



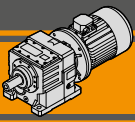
ITH 112 F...  
ITH 113 F...



Versione F / F Version										
ITH	a <sub>1</sub>	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange	
									Tipo / Type	
112 113	45°	12	4	165	130	11	200	165	F200	
	45°	12	4	215	180	14	250	215	F250	

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

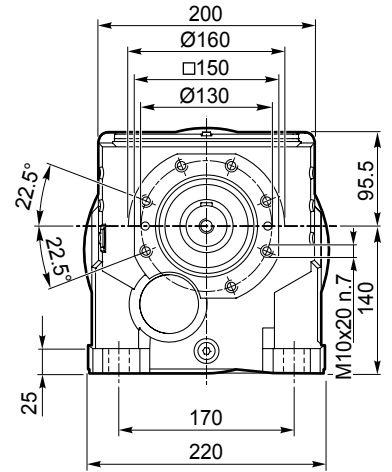
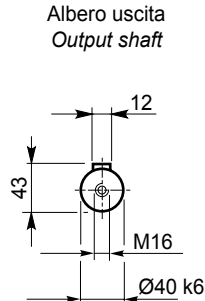
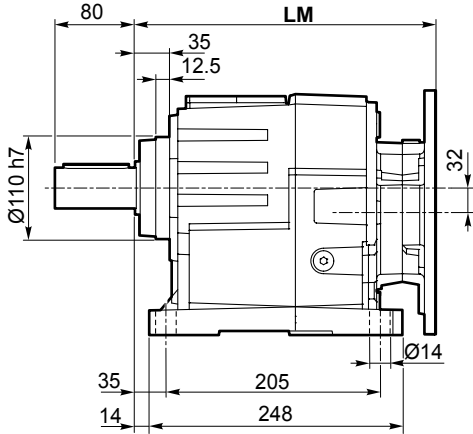


**Dimensioni**

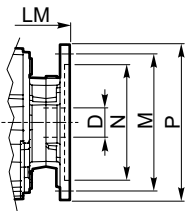
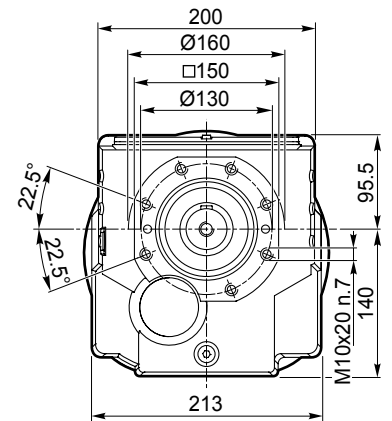
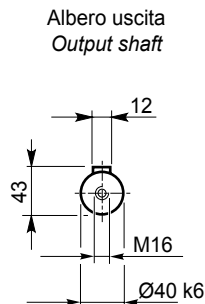
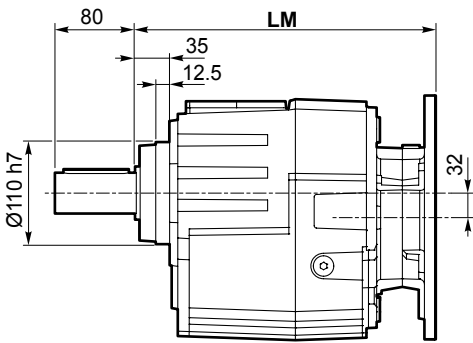
**Dimensions**

**ITH 122 - ITH 123**

**ITH 122 U  
ITH 123 U**

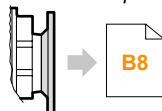


**ITH 122 G  
ITH 123 G**

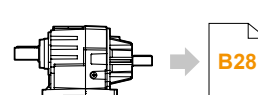


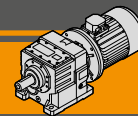
Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
<b>LM</b>	309.5			314	313.5	314	334.5	
<b>N</b>	110	130	130	95	180	110	230	130
<b>M</b>	130	165	165	115	215	130	265	165
<b>P</b>	160	200	200	130	250	160	300	200
<b>D</b>	14	19	24		28		38	

IEC Motori applicabili  
IEC Motor adapters



ITHIS 122...  
ITHIS 123...



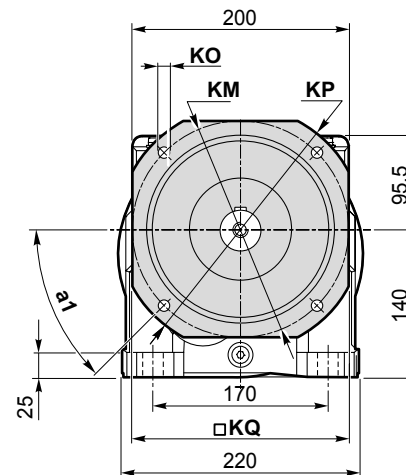
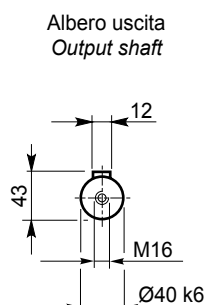
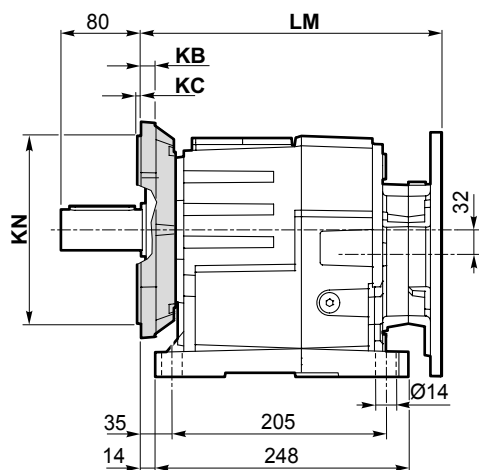


Dimensioni

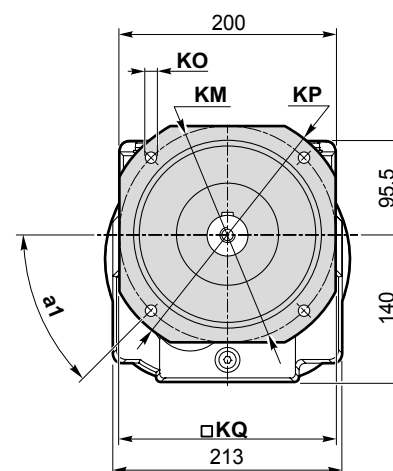
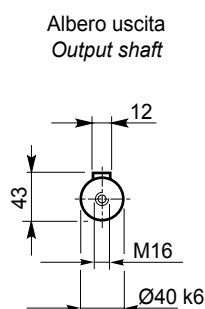
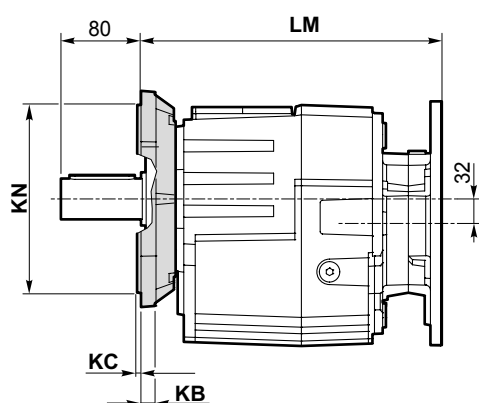
Dimensions

ITH 122- ITH 123

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



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



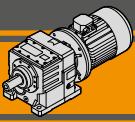
Versione F / F Version

ITH	a <sub>1</sub>	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange	
									Tipo / Type	Peso / Weight [kg]
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

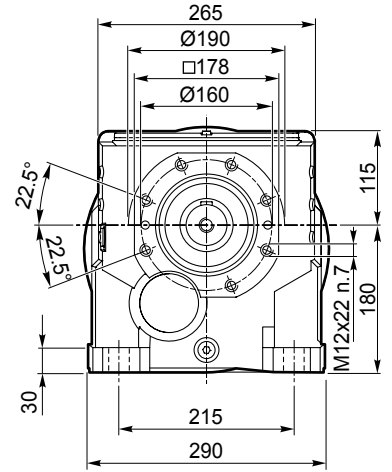
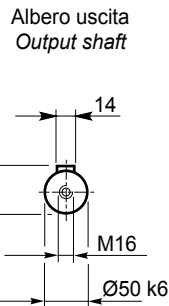
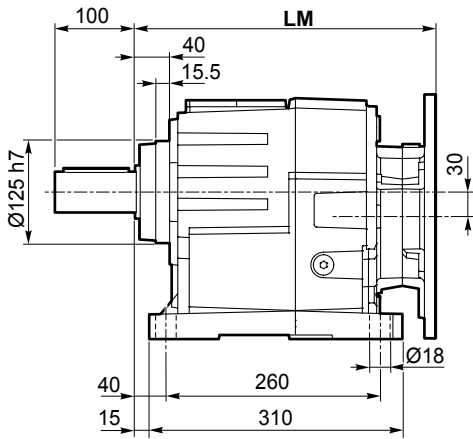


**Dimensioni**

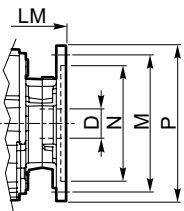
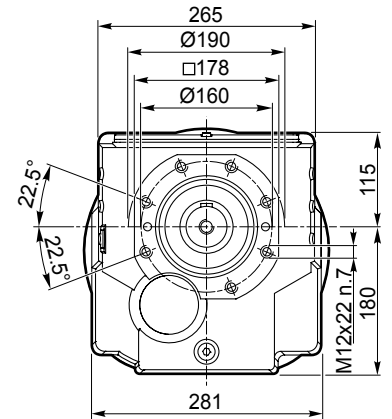
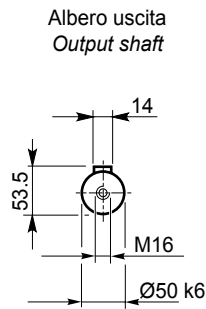
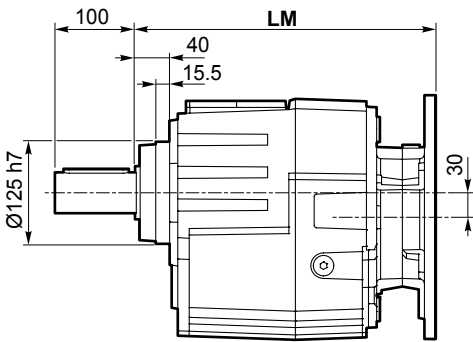
**Dimensions**

**ITH 132 - ITH 133**

**ITH 132 U  
ITH 133 U**

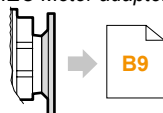


**ITH 132 G  
ITH 133 G**

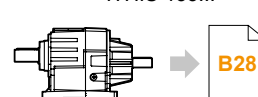


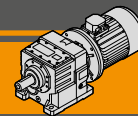
Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
<b>LM</b>	340.5		345	344.5	345	365.5		415.5	
<b>N</b>	130		95	180	110	230	130	250	
<b>M</b>	165		115	215	130	265	165	300	
<b>P</b>	200		140	250	160	300	200	350	
<b>D</b>	19	24		28		38		42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

IEC Motori applicabili  
IEC Motor adapters



ITHIS 132...  
ITHIS 133...



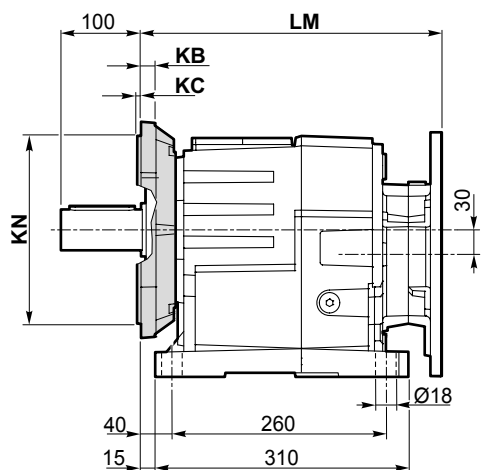


Dimensioni

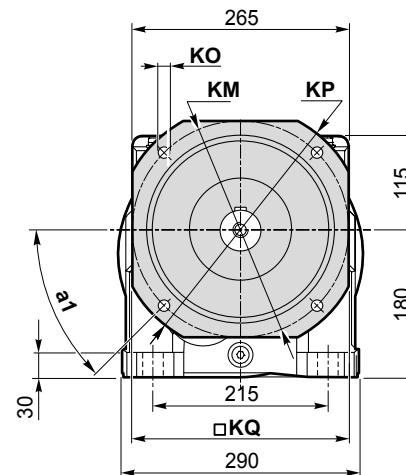
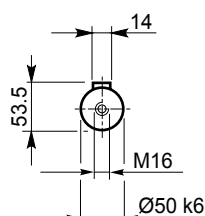
Dimensions

ITH 132- ITH 133

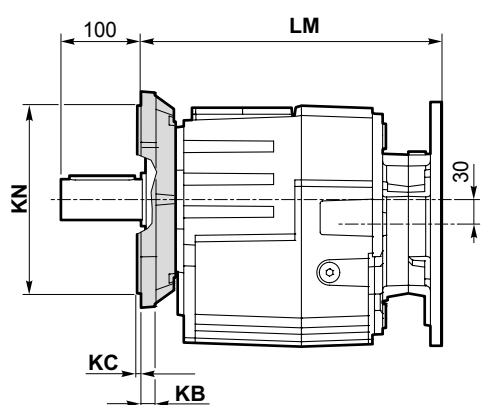
ITH 132 U/F...  
ITH 133 U/F...



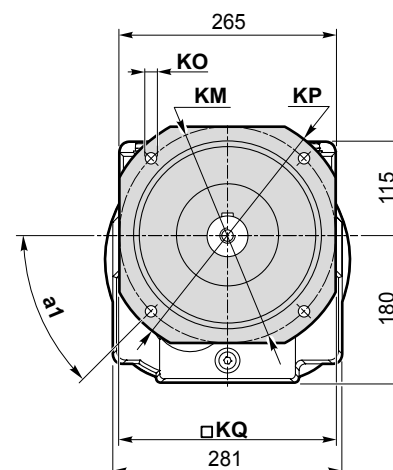
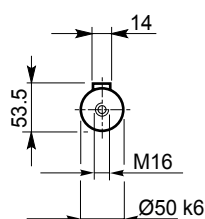
Albero uscita  
Output shaft



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



Albero uscita  
Output shaft



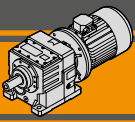
Versione F / F Version

ITH	a <sub>1</sub>	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**

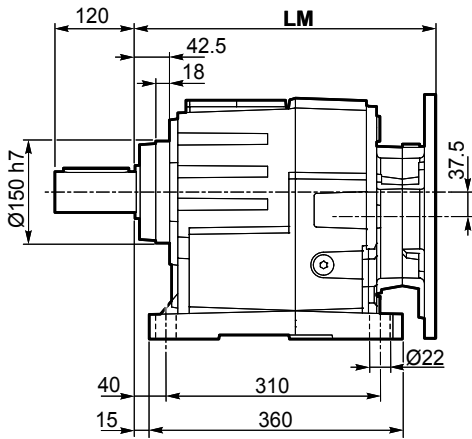
Motoriduttori ad ingranaggi cilindrici  
Helical in-line gearmotors

Dimensioni

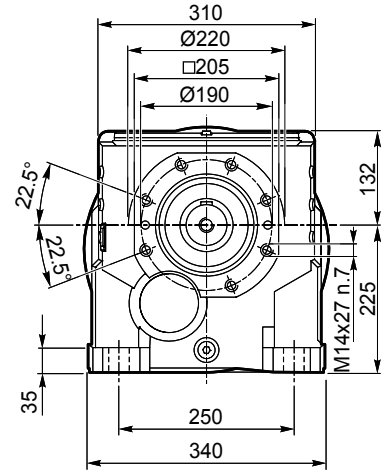
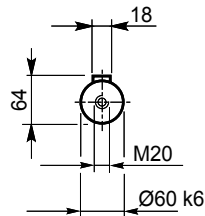
Dimensions

**ITH 142 - ITH 143**

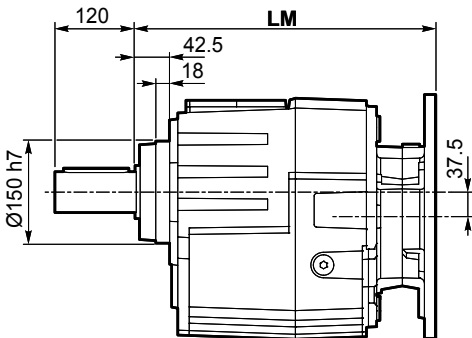
**ITH 142 U**  
**ITH 143 U**



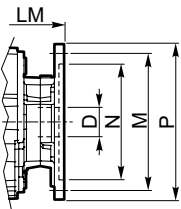
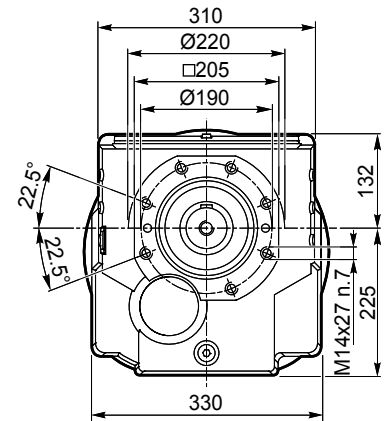
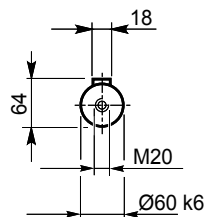
Albero uscita  
Output shaft



**ITH 142 G**  
**ITH 143 G**

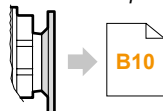


Albero uscita  
Output shaft

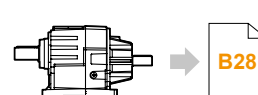


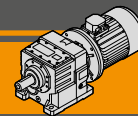
Dimensioni IEC / IEC Dimensions										
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
<b>LM</b>	373.5	378	377.5	378	398.5	448.5	460.5			
<b>N</b>	130	95	180	110	230	130	250	300		
<b>M</b>	165	115	215	130	265	165	300	350		
<b>P</b>	200	140	250	160	300	200	350	400		
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

IEC Motori applicabili  
IEC Motor adapters



ITHIS 142...  
ITHIS 143...



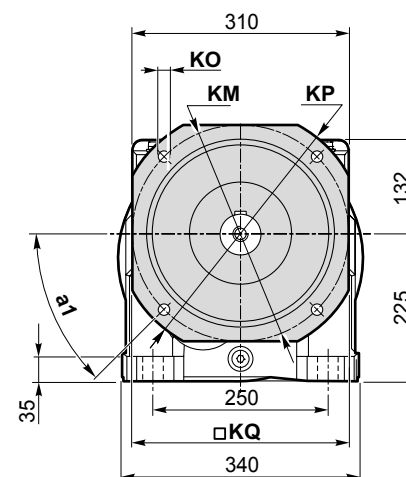
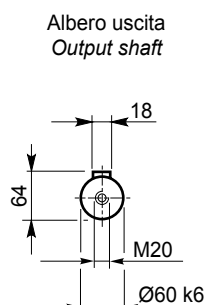
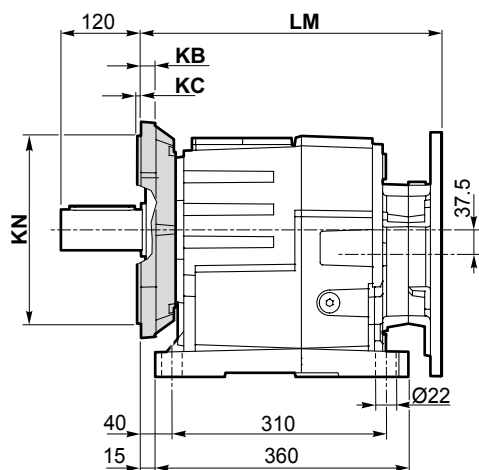


Dimensioni

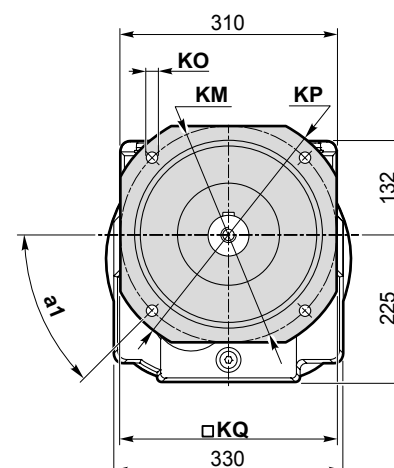
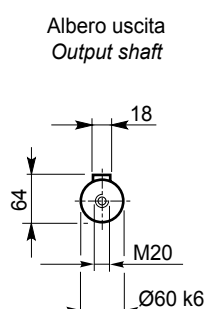
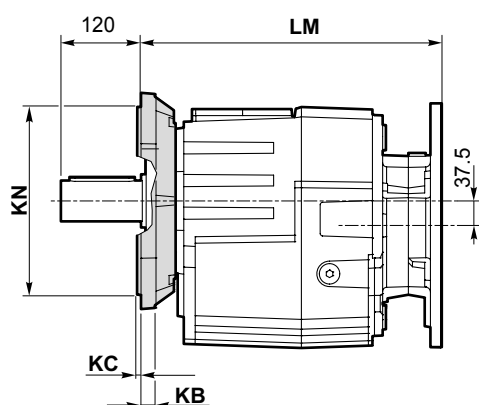
Dimensions

ITH 142- ITH 143

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



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

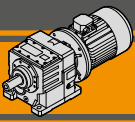


Versione F / F Version										
ITH	a <sub>1</sub>	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange Tipo / Type	Peso / Weight [kg]
142 143	45°	18	4	265	230	14	300	265	F300	7.4
	45°	18	5	300	250	18	350	300	F350	10.2
	45°	18	5	400	350	18	450	400	F450	16.9

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

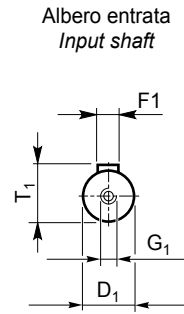
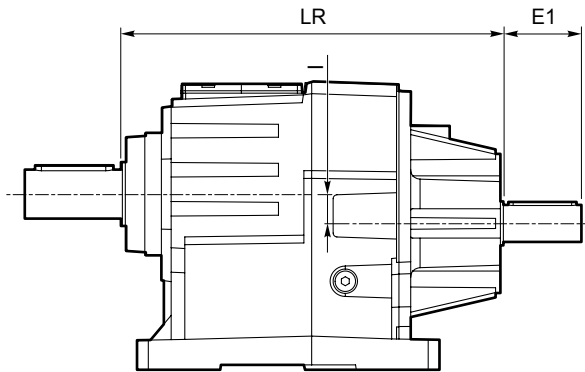




**Dimensioni**

**Dimensions**

**ITHIS...**



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

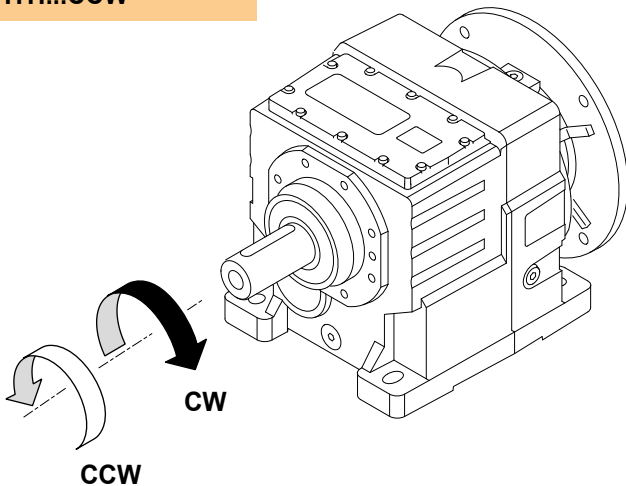
ITHIS	Versione Version	LR	D1	E1	I	T1	F1	G1
112	U G U/F... F...	321.5	28	60	28.5	31	8	M10
113		321.5	24	50	28.5	27	8	M8
122		342	28	60	32	31	8	M10
123		342	28	60	32	31	8	M10
132		390.5	38	80	30	41	10	M12
133		373	28	60	30	31	8	M10
142		423.5	38	80	37.5	41	10	M12
143		406	28	60	37.5	31	8	M10

**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.*