

**ITH**

ITH



# Цилиндрические мотор-редукторы

## Руководство по эксплуатации

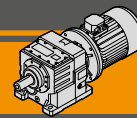


Архангельск (8182)63-90-72  
Астана (7172)727-132  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Казань (843)206-01-48

Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41

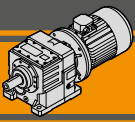
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93



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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.

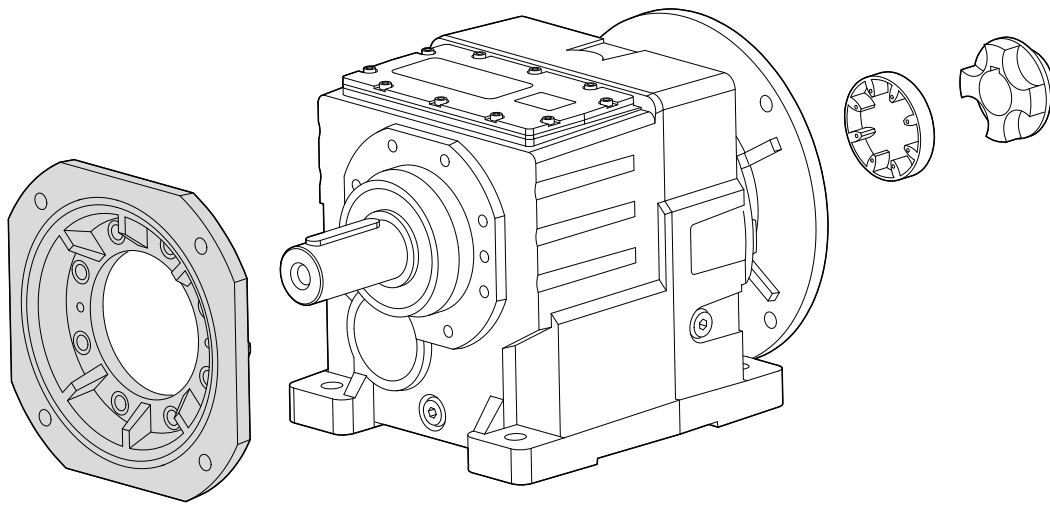
*The ITH gearmotors are intended for heavy duty applications. The robust one pieces casing of the main housing and the modular design of input and output sets increase application flexibility.*

Caratteristiche comuni a tutta la serie sono:

*The main features of ITH range are:*

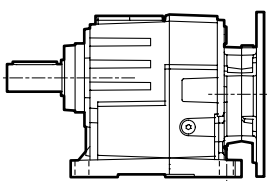
- Costruzione robusta con carcassa in ghisa;
- Elevata modularità;
- Lubrificazione con olio sintetico;
- Accoppiamento al motore tramite giunto elastico.
- Verniciatura a polvere epossidica RAL 7016 di spessore medio 0,10 – 0,15 mm.

- *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.*

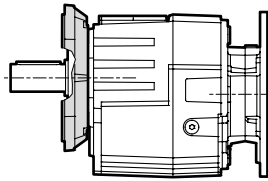


**Versioni**

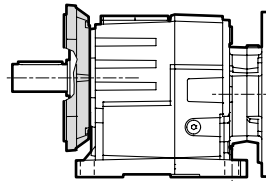
**Versions**



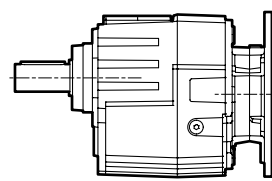
**U**



**F...**



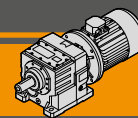
**U/F...**



**G**

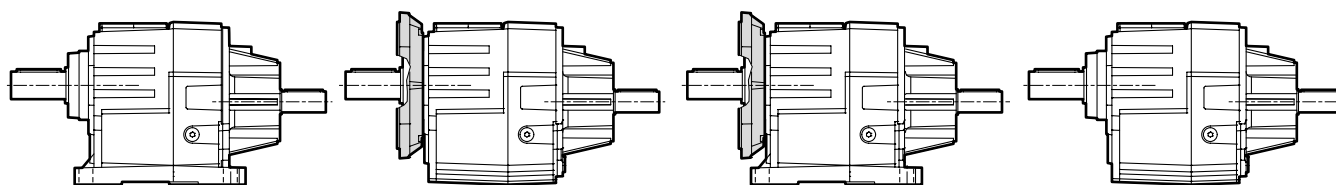
**RIDUTTORE / GEARBOX**

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



Designazione

Classification



U

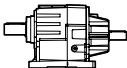
F...

U/F...

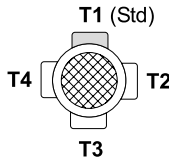
G

ITH

RIDUTTORE / GEARBOX

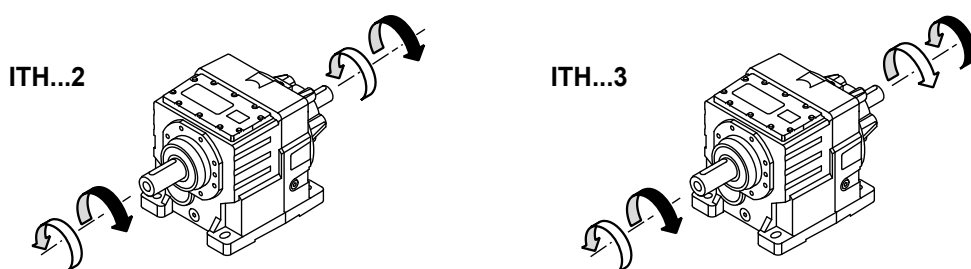
ITHIS	12	2	H	26.28	D40	M1
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	Pos. di montaggio Mounting position
ITHIS 	11 12 13 14	2 3	U F... U/F... G	vedi tabelle see tables	vedi tabelle see tables	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

MOTORE / MOTOR

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

Sensi di rotazione

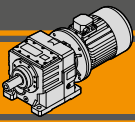
Direction of rotation



Simbologia

Symbols

$n_1$	[ $\text{min}^{-1}$ ]	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

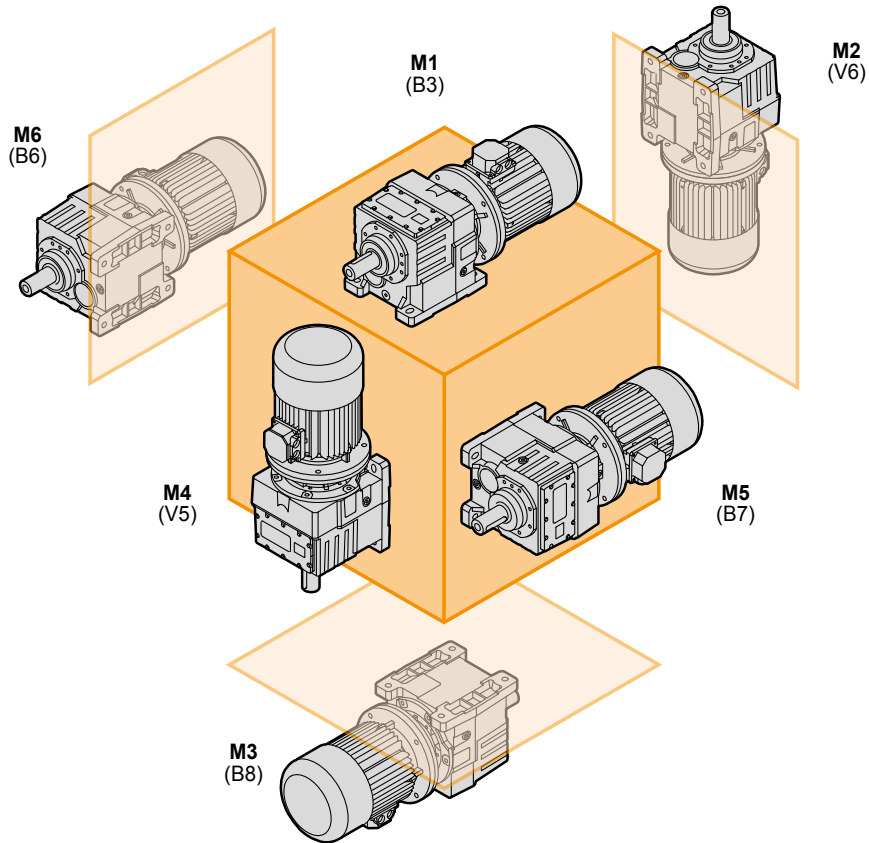


### Lubrificazione

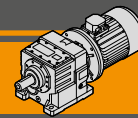
### Lubrication

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

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



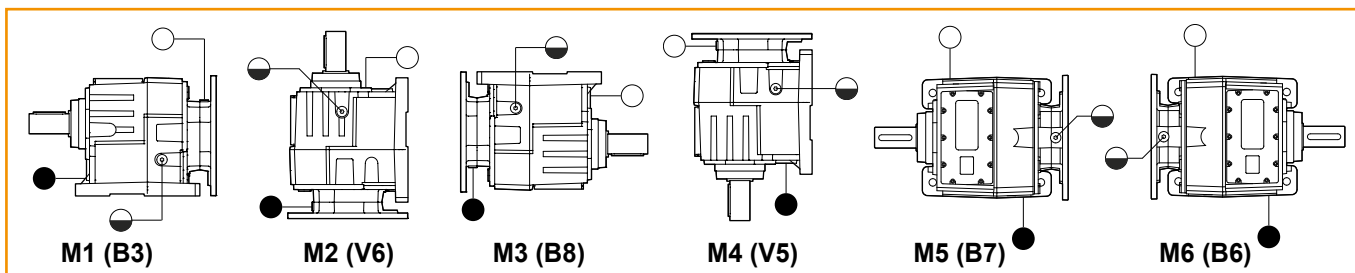
ITH	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	1,1	3,9	3,7	3,4	2,4	2,4
122 123	1,7	5,0	4,3	4,3	3,1	2,9
132 133	4,5	9,5	8,3	8,6	5,9	5,7
142 143	8,1	14,5	11,5	14,4	9,4	9,0



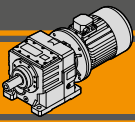
Lubrificazione

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**

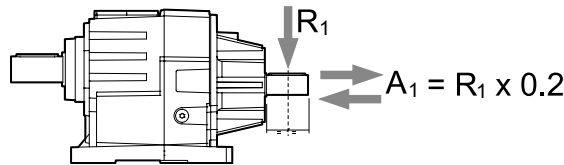
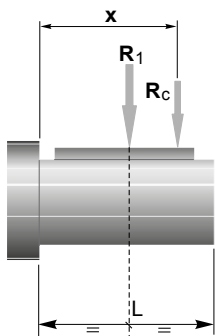
ITH 113	n <sub>1</sub> [min <sup>-1</sup> ]	Potenza motore/ Motor Power [kW]		
		1.1	1.5	1.85
R <sub>1</sub> [N]	1400	1250		
	900	1500		500
	500	1750	-	-

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

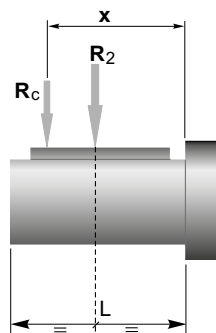
$$R \leq R_c$$

**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:

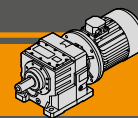


	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	184	208	247	286				
b	149	168	197	226				
R <sub>2MAX</sub>	8200	12500	18500	22500				

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

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


$$R \leq R_c$$

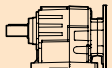


Dati tecnici

$n_1$  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
					*
				*	
				*	
				*	
				*	
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			*	*	
			*	*	

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.

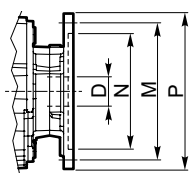
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

 \* = 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.

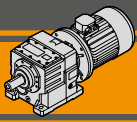
Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

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	




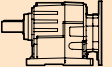


**Dati tecnici**

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

**Technical data**

	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	$R_2$ [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.

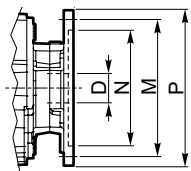
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

 \* = 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.

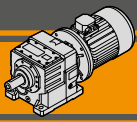
Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

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
<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	





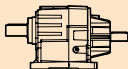
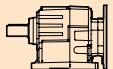
# ITH

## Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

### 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				
<b>ITHIS 142</b>						<b>ITH 142</b>					
						<b>100 B5/B14</b>	<b>112 B5/B14</b>	<b>132 B5/B14</b>	<b>160 B5</b>	<b>180 B5</b>	<b>200 B5</b>
	<b>228</b>	1800	44.68	6.15	14955						
	<b>190</b>	1800	37.40	7.35	16494						
	<b>158</b>	2000	34.38	8.88	17248	*	*				
	<b>144</b>	2000	31.34	9.75	18150						
	<b>135</b>	2100	30.99	10.35	18181	*	*				
	<b>120</b>	2100	27.54	11.65	19402						
	<b>110</b>	2200	26.30	12.78	19769						*
	<b>99</b>	2300	24.95	14.08	20171						*
	<b>85</b>	2300	21.42	16.40	21936						*
	<b>79</b>	2800	24.11	17.73	19026						*
	<b>69</b>	2800	21.12	20.24	20463						*
	<b>54</b>	3200	18.80	25.99	19654						*
	<b>50</b>	3200	17.39	28.10	20514					*	*
	<b>43</b>	3200	15.11	32.35	22168					*	*
	<b>38</b>	3200	13.18	37.09	22500					*	*
	<b>32</b>	3200	11.22	43.57	22500					*	*
	<b>30</b>	3200	10.32	47.35	22500						
	<b>27</b>	3200	9.44	51.76	22500						

<b>ITHIS 143</b>						<b>ITH 143</b>				
						<b>80 B5</b>	<b>90 B5/B14</b>	<b>100 B5/B14</b>	<b>112 B5/B14</b>	<b>132 B5/B14</b>
	<b>23</b>	3500	8.84	61.74	22500					
	<b>21</b>	3500	8.18	66.73	22500					
	<b>18</b>	3500	6.87	79.43	22500					
	<b>16</b>	3500	6.36	85.85	22500					
	<b>13</b>	3500	4.90	111.40	22500					*
	<b>12</b>	3500	4.53	120.42	22500					*
	<b>11</b>	3500	4.14	131.84	22500					*
	<b>9.5</b>	3500	3.70	147.51	22500					*
	<b>8.6</b>	3500	3.37	162.10	22500					*
	<b>7.9</b>	3500	3.07	177.95	22500					*
	<b>7.2</b>	3500	2.81	193.96	22500					
	<b>6.7</b>	3500	2.64	209.65	22500					
	<b>6.1</b>	3500	2.38	229.46	22500					
	<b>5.5</b>	3500	2.16	252.87	22500					

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

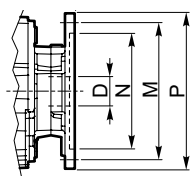
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

 \* = 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.

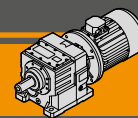
Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



Dimensioni IEC / IEC Dimensions										
	<b>80 B5</b>	<b>90 B5</b>	<b>90 B14</b>	<b>100/112 B5</b>	<b>100/112 B14</b>	<b>132 B5</b>	<b>132 B14</b>	<b>160 B5</b>	<b>180 B5</b>	<b>200 B5</b>
<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

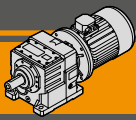
P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> [N]	
<b>1.1</b>								<b>1.1</b>								
90S4 (1400 min <sup>-1</sup> )	<b>260</b>	39	9.0	5.38	ITH112	<b>B5/14</b>	4354	90S4 (1400 min <sup>-1</sup> )	<b>23</b>	430	4.4	60.92	ITH133	<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>39</b>	262	2.6	36.35		<b>B5/14</b>	8200									
	<b>34</b>	299	2.3	41.57		<b>B5/14</b>	8200									
	<b>29</b>	348	1.7	48.27		<b>B5/14</b>	8200		<b>23</b>	435	8.0	61.74		ITH143	<b>B5/14</b>	22500
	<b>24</b>	412	1.5	57.21		<b>B5/14</b>	8200		<b>21</b>	471	7.4	66.73			<b>B5/14</b>	22500
	<b>25</b>	390	1.8	55.27		ITH113	<b>B5/14</b>	8200	<b>18</b>	560	6.2	79.43			<b>B5/14</b>	22500
	<b>21</b>	477	1.5	67.61			<b>B5/14</b>	8200	<b>16</b>	606	5.8	85.85			<b>B5/14</b>	22500
	<b>19</b>	529	1.3	74.96			<b>B5/14</b>	8200	<b>13</b>	786	4.5	111.40			<b>B5/14</b>	22500
	<b>15</b>	647	1.1	91.70			<b>B5/14</b>	8200	<b>12</b>	849	4.1	120.42			<b>B5/14</b>	22500
	<b>13</b>	768	0.9	108.91			<b>B5/14</b>	8200	<b>11</b>	930	3.8	131.84			<b>B5/14</b>	22500
	<b>159</b>	64	10	8.82		ITH122	<b>B5/14</b>	8152	<b>9.5</b>	1040	3.4	147.51			<b>B5/14</b>	22500
	<b>139</b>	73	10	10.08			<b>B5/14</b>	8778	<b>8.6</b>	1143	3.1	162.10			<b>B5/14</b>	22500
	<b>123</b>	82	9.2	11.35			<b>B5/14</b>	9371	<b>7.9</b>	1255	2.8	177.95			<b>B5/14</b>	22500
	<b>105</b>	96	8.9	13.30			<b>B5/14</b>	10218	<b>7.2</b>	1368	2.6	193.96			<b>B5/14</b>	22500
	<b>88</b>	115	7.4	15.92			<b>B5/14</b>	11257	<b>6.7</b>	1479	2.4	209.65			<b>B5/14</b>	22500
	<b>82</b>	123	6.9	17.11			<b>B5/14</b>	11698	<b>6.1</b>	1618	2.2	229.46			<b>B5/14</b>	22500
	<b>72</b>	140	6.1	19.50			<b>B5/14</b>	12500	<b>5.5</b>	1784	2.0	252.87			<b>B5/14</b>	22500
	<b>65</b>	154	5.8	21.43			<b>B5/14</b>	12500								
	<b>58</b>	173	5.7	24.00			<b>B5/14</b>	12500								
	<b>53</b>	189	5.2	26.28			<b>B5/14</b>	12500								
	<b>48</b>	212	4.6	29.40			<b>B5/14</b>	12500								
	<b>43</b>	233	4.2	32.31			<b>B5/14</b>	12500								
	<b>39</b>	255	3.8	35.47			<b>B5/14</b>	12500								
	<b>34</b>	301	3.3	41.78	<b>B5/14</b>		12500									
	<b>31</b>	329	3.0	45.73	<b>B5/14</b>		12500									
	<b>28</b>	363	2.7	50.40	<b>B5/14</b>	12500										
	<b>25</b>	395	2.5	56.00	ITH123	<b>B5/14</b>	12500									
	<b>23</b>	432	2.3	61.31		<b>B5/14</b>	12500									
	<b>20</b>	497	2.0	70.53		<b>B5/14</b>	12500									
	<b>17</b>	571	1.7	81.00		<b>B5/14</b>	12500									
	<b>16</b>	626	1.6	88.68		<b>B5/14</b>	12500									
	<b>13</b>	742	1.3	105.23		<b>B5/14</b>	12500									
	<b>12</b>	813	1.2	115.21		<b>B5/14</b>	12500									
	<b>11</b>	908	1.1	128.73		<b>B5/14</b>	12500									
	<b>9.7</b>	1016	1.0	144.00		<b>B5/14</b>	12500									
	<b>8.9</b>	1112	0.9	157.66		<b>B5/14</b>	12500									
	<b>55</b>	185	8.7	25.65		ITH132	<b>B5/14</b>	18500								
	<b>51</b>	198	8.6	27.48			<b>B5/14</b>	18500								
	<b>46</b>	219	7.7	30.46	<b>B5/14</b>		18500									
	<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									
	<b>25</b>	395	2.5	56.00												
	<b>23</b>	432	2.3	61.31												
	<b>20</b>	497	2.0	70.53												
	<b>17</b>	571	1.7	81.00												
	<b>16</b>	626	1.6	88.68												
	<b>13</b>	742	1.3	105.23												
	<b>12</b>	813	1.2	115.21												
	<b>11</b>	908	1.1	128.73												
	<b>9.7</b>	1016	1.0	144.00												
	<b>8.9</b>	1112	0.9	157.66												
	<b>55</b>	185	8.7	25.65												
	<b>51</b>	198	8.6	27.48												
	<b>46</b>	219	7.7	30.46												
	<b>40</b>	249	7.6	34.61												
	<b>37</b>	272	7.0	37.71												
	<b>33</b>	301	6.3	41.80												
	<b>31</b>	328	5.8	45.60												
	<b>28</b>	359	5.3	49.88												
	<b>25</b>	395	2.5	56.00												
	<b>23</b>	432	2.3	61.31												
	<b>20</b>	497	2.0	70.53												
	<b>17</b>	571	1.7	81.00												
	<b>16</b>	626	1.6	88.68												
	<b>13</b>	742	1.3	105.23												
	<b>12</b>	813	1.2	115.21												
	<b>11</b>	908	1.1	128.73												
	<b>9.7</b>	1016	1.0	144.00												
	<b>8.9</b>	1112	0.9	157.66												
	<b>55</b>	185	8.7	25.65												
	<b>51</b>	198	8.6	27.48												
	<b>46</b>	219	7.7	30.46												
	<b>40</b>	249	7.6	34.61												
	<b>37</b>	272	7.0	37.71												
	<b>33</b>	301	6.3	41.80												
	<b>31</b>	328	5.8	45.60												
	<b>28</b>	359	5.3	49.88												
	<b>25</b>	395	2.5	56.00												
	<b>23</b>	432	2.3	61.31												
	<b>20</b>	497	2.0	70.53												
	<b>17</b>	571	1.7	81.00												
	<b>16</b>	626	1.6	88.68												
	<b>13</b>	742	1.3	105.23												
	<b>12</b>	813	1.2	115.21												
	<b>11</b>	908	1.1	128.73												
	<b>9.7</b>	1016	1.0	144.00												
	<b>8.9</b>	1112	0.9	157.66												











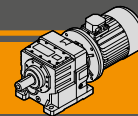




**Dati tecnici**





**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>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>								
								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		

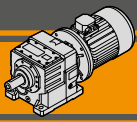


Dati tecnici

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>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>278</b>	178	4.8	5.03	<b>ITH132</b>	<b>B5/B14</b>	13316	
	<b>75</b>	490	3.1	18.69	<b>B5/14</b>		18500		<b>230</b>	219	3.9	6.09		<b>B5/B14</b>	14674	
	<b>69</b>	532	3.0	20.31	<b>B5/14</b>		18500		<b>203</b>	249	3.6	6.91		<b>B5/B14</b>	15633	
	<b>55</b>	672	2.4	25.65	<b>B5/14</b>		18500		<b>186</b>	270	3.3	7.51		<b>B5/B14</b>	16290	
	<b>51</b>	720	2.4	27.48	<b>B5/14</b>		18500		<b>167</b>	301	3.0	8.36		<b>B5/B14</b>	17159	
	<b>46</b>	798	2.1	30.46	<b>B5/14</b>	18500		<b>155</b>	325	2.8	9.03	<b>B5/B14</b>		17797		
	<b>40</b>	907	2.1	34.61	<b>B5/14</b>	18500		<b>136</b>	371	2.6	10.30	<b>B5/B14</b>		18500		
	<b>37</b>	988	1.9	37.71	<b>B5/14</b>	18500		<b>127</b>	396	2.4	11.01	<b>B5/B14</b>		18500		
	<b>33</b>	1095	1.7	41.80	<b>B5/14</b>	18500		<b>113</b>	446	2.7	12.39	<b>B5/B14</b>		18500		
	<b>31</b>	1194	1.6	45.60	<b>B5/14</b>	18500		<b>95</b>	533	2.3	14.80	<b>B5/B14</b>		18500		
	<b>28</b>	1306	1.5	49.88	<b>B5/14</b>	18500		<b>93</b>	544	2.4	15.11	<b>B5/B14</b>	18500			
								<b>75</b>	673	2.2	18.69	<b>B5/B14</b>	18500			
	<b>23</b>	1562	1.2	60.92	<b>ITH133</b>	<b>B5/14</b>	18500		<b>69</b>	731	2.2	20.31	<b>B5/B14</b>	18500		
	<b>22</b>	1660	1.1	64.74		<b>B5/14</b>	18500		<b>55</b>	924	1.7	25.65	<b>B5/B14</b>	18500		
	<b>20</b>	1818	1.0	70.88		<b>B5/14</b>	18500		<b>51</b>	990	1.7	27.48	<b>B5/B14</b>	18500		
	<b>18</b>	2010	0.9	78.38		<b>B5/14</b>	18500		<b>46</b>	1097	1.5	30.46	<b>B5/B14</b>	18500		
								<b>40</b>	1246	1.5	34.61	<b>B5/B14</b>	18500			
	<b>110</b>	335	6.6	12.78	<b>ITH142</b>	<b>B5/14</b>	22500		<b>37</b>	1358	1.4	37.71	<b>B5/B14</b>	18500		
	<b>99</b>	369	6.2	14.08		<b>B5/14</b>	22500		<b>33</b>	1506	1.3	41.80	<b>B5/B14</b>	18500		
	<b>85</b>	429	5.4	16.40		<b>B5/14</b>	22500		<b>31</b>	1642	1.2	45.60	<b>B5/B14</b>	18500		
	<b>69</b>	530	5.3	20.24		<b>B5/14</b>	22500		<b>28</b>	1796	1.1	49.88	<b>B5/B14</b>	18500		
	<b>54</b>	681	4.7	25.99		<b>B5/14</b>	22500									
	<b>43</b>	847	3.8	32.35		<b>B5/14</b>	22500		<b>228</b>	217	8.3	6.15	<b>ITH142</b>	<b>B5/B14</b>	21811	
	<b>32</b>	1141	2.8	43.57		<b>B5/14</b>	22500		<b>190</b>	265	6.8	7.35		<b>B5/B14</b>	22500	
	<b>30</b>	1240	2.6	47.35		<b>B5/14</b>	22500		<b>158</b>	320	6.3	8.88		<b>B5/B14</b>	22500	
	<b>27</b>	1356	2.4	51.76		<b>B5/14</b>	22500		<b>144</b>	351	5.7	9.75		<b>B5/B14</b>	22500	
									<b>135</b>	373	5.6	10.35		<b>B5/B14</b>	22500	
	<b>23</b>	1583	2.2	61.74	<b>ITH143</b>	<b>B5/14</b>	22500		<b>120</b>	419	5.0	11.65		<b>B5/B14</b>	22500	
	<b>21</b>	1712	2.0	66.73		<b>B5/14</b>	22500		<b>110</b>	460	4.8	12.78		<b>B5/B14</b>	22500	
	<b>18</b>	2037	1.7	79.43		<b>B5/14</b>	22500		<b>99</b>	507	4.5	14.08		<b>B5/B14</b>	22500	
	<b>16</b>	2202	1.6	85.85		<b>B5/14</b>	22500		<b>85</b>	591	3.9	16.40		<b>B5/B14</b>	22500	
	<b>13</b>	2857	1.2	111.40		<b>B5/14</b>	22500		<b>79</b>	639	4.4	17.73		<b>B5/B14</b>	22500	
	<b>12</b>	3088	1.1	120.42		<b>B5/14</b>	22500		<b>69</b>	729	3.8	20.24	<b>B5/B14</b>	22500		
	<b>11</b>	3381	1.0	131.84		<b>B5/14</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			









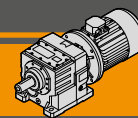
**ITH**

**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>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>7.5</b>									<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			
132MA4 (1400 min <sup>-1</sup> )	<b>260</b>	264	1.3	5.38	<b>ITH112</b>	<b>B5/B14</b>	3691		<b>123</b>	684	1.1	11.35	<b>ITH132</b>	<b>B5/B14</b>	6989		
	<b>216</b>	318	1.1	6.47		<b>B5/B14</b>	3935		<b>105</b>	801	1.1	13.30		<b>B5/B14</b>	7157		
	<b>178</b>	387	1.0	7.88		<b>B5/B14</b>	4160			<b>278</b>	297	2.9		5.03	<b>ITH132</b>	<b>B5/B14</b>	12784
	<b>164</b>	420	1.0	8.54		<b>B5/B14</b>	4235			<b>230</b>	367	2.3		6.09		<b>B5/B14</b>	13938
	<b>155</b>	445	0.9	9.06	<b>B5/B14</b>	4282			<b>203</b>	416	2.2	6.91	<b>B5/B14</b>	14736			
									<b>186</b>	452	2.0	7.51	<b>B5/B14</b>	15266			
	<b>271</b>	249	2.2	5.17	<b>ITH122</b>	<b>B5/B14</b>	5505		<b>167</b>	504	1.8	8.36	<b>ITH142</b>	<b>B5/B14</b>	15945		
	<b>209</b>	328	1.7	6.69		<b>B5/B14</b>	6166			<b>155</b>	544	1.7		9.03	<b>B5/B14</b>	16426	
	<b>180</b>	383	1.6	7.79		<b>B5/B14</b>	6569			<b>136</b>	621	1.5		10.30	<b>B5/B14</b>	17221	
	<b>159</b>	433	1.5	8.82		<b>B5/B14</b>	6890			<b>127</b>	663	1.4		11.01	<b>B5/B14</b>	17599	
	<b>139</b>	495	1.5	10.08	<b>ITH132</b>	<b>B5/B14</b>	7219		<b>113</b>	747	1.6	12.39	<b>ITH142</b>	<b>B5/B14</b>	18229		
	<b>123</b>	557	1.3	11.35		<b>B5/B14</b>	7489			<b>95</b>	892	1.3		14.80	<b>B5/B14</b>	18500	
	<b>105</b>	653	1.3	13.30		<b>B5/B14</b>	7800			<b>93</b>	910	1.4		15.11	<b>B5/B14</b>	18500	
	<b>88</b>	782	1.1	15.92		<b>B5/B14</b>	8042			<b>75</b>	1126	1.3		18.69	<b>B5/B14</b>	18500	
	<b>82</b>	840	1.0	17.11	<b>ITH132</b>	<b>B5/B14</b>	8094		<b>69</b>	1223	1.3	20.31	<b>ITH142</b>	<b>B5/B14</b>	18500		
										<b>55</b>	1545	1.0		25.65	<b>B5/B14</b>	18500	
	<b>278</b>	242	3.5	5.03		<b>B5/B14</b>	13028			<b>51</b>	1656	1.0		27.48	<b>B5/V14</b>	18104	
	<b>230</b>	299	2.8	6.09		<b>B5/B14</b>	14276			<b>228</b>	363	5.0		6.15	<b>ITH142</b>	<b>B5/B14</b>	21179
	<b>203</b>	339	2.7	6.91	<b>B5/B14</b>	15148			<b>190</b>	443	4.1	7.35	<b>B5/B14</b>	22500			
	<b>186</b>	369	2.4	7.51	<b>B5/B14</b>	15736			<b>158</b>	535	3.7	8.88	<b>B5/B14</b>	22500			
	<b>167</b>	411	2.2	8.36	<b>B5/B14</b>	16503			<b>144</b>	587	3.4	9.75	<b>B5/B14</b>	22500			
	<b>155</b>	444	2.0	9.03	<b>ITH142</b>	<b>B5/B14</b>	17056		<b>135</b>	623	3.4	10.35	<b>ITH142</b>	<b>B5/B14</b>	22500		
	<b>136</b>	506	1.9	10.30		<b>B5/B14</b>	17997			<b>120</b>	702	3.0		11.65	<b>B5/B14</b>	22500	
	<b>127</b>	541	1.8	11.01		<b>B5/B14</b>	18461			<b>110</b>	770	2.9		12.78	<b>B5/B14</b>	22500	
	<b>113</b>	609	2.0	12.39		<b>B5/B14</b>	18500			<b>99</b>	848	2.7		14.08	<b>B5/B14</b>	22500	
	<b>95</b>	727	1.7	14.80	<b>ITH142</b>	<b>B5/B14</b>	18500		<b>85</b>	988	2.3	16.40	<b>ITH142</b>	<b>B5/B14</b>	22500		
	<b>93</b>	742	1.8	15.11		<b>B5/B14</b>	18500			<b>79</b>	1068	2.6		17.73	<b>B5/B14</b>	22500	
	<b>75</b>	918	1.6	18.69		<b>B5/B14</b>	18500			<b>69</b>	1219	2.3		20.24	<b>B5/B14</b>	22500	
	<b>69</b>	997	1.6	20.31		<b>B5/B14</b>	18500			<b>54</b>	1566	2.0		25.99	<b>B5/B14</b>	22500	
	<b>55</b>	1260	1.3	25.65	<b>ITH142</b>	<b>B5/B14</b>	18500		<b>50</b>	1693	1.9	28.10	<b>ITH142</b>	<b>B5/B14</b>	22500		
	<b>51</b>	1350	1.3	27.48		<b>B5/B14</b>	18500			<b>43</b>	1949	1.6		32.35	<b>B5/B14</b>	22500	
	<b>46</b>	1496	1.1	30.46		<b>B5/B14</b>	18500			<b>38</b>	2234	1.4		37.09	<b>B5/B14</b>	22500	
	<b>40</b>	1700	1.1	34.61		<b>B5/B14</b>	18500			<b>32</b>	2625	1.2		43.57	<b>B5/B14</b>	22500	
	<b>37</b>	1852	1.0	37.71	<b>ITH142</b>	<b>B5/B14</b>	18500		<b>30</b>	2853	1.1	47.35	<b>ITH142</b>	<b>B5/B14</b>	22500		
										<b>27</b>	3118	1.0		51.76	<b>B5/B14</b>	22500	
	<b>228</b>	296	6.1	6.15		<b>B5/B14</b>	21469			<b>23</b>	3642	1.0		61.74	<b>ITH143</b>	<b>B5/B14</b>	22500
	<b>190</b>	361	5.0	7.35		<b>B5/B14</b>	22500										
	<b>158</b>	436	4.6	8.88	<b>B5/B14</b>	22500											
	<b>144</b>	479	4.2	9.75	<b>B5/B14</b>	22500											
	<b>135</b>	508	4.1	10.35	<b>ITH142</b>	<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>ITH142</b>	<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>ITH142</b>	<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>ITH142</b>	<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>11.0</b>									
								160M4 (1400 min <sup>-1</sup> )	<b>278</b>	355	2.4	5.03	<b>ITH132</b>	<b>B5</b>	12525		
									<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

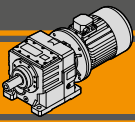
Technical data

P <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>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			<b>B5</b>		22500	<b>230</b>	878	1.0			6.09	<b>B5</b>	11394	
	<b>158</b>	640	3.1	8.88			<b>B5</b>		22500	ITH142	<b>228</b>	868			2.1	6.15	<b>B5</b>	18992
	<b>144</b>	702	2.8	9.75			<b>B5</b>		22500		<b>190</b>	1059			1.7	7.35	<b>B5</b>	20034
	<b>135</b>	745	2.8	10.35			<b>B5</b>		22500		<b>158</b>	1280			1.6	8.88	<b>B5</b>	21065
	<b>120</b>	839	2.5	11.65			<b>B5</b>		22500		<b>144</b>	1404			1.4	9.75	<b>B5</b>	21474
	<b>110</b>	920	2.4	12.78			<b>B5</b>		22500		<b>135</b>	1491			1.4	10.35	<b>B5</b>	21693
	<b>99</b>	1014	2.3	14.08			<b>B5</b>		22500		<b>120</b>	1678			1.3	11.65	<b>B5</b>	22000
	<b>85</b>	1181	1.9	16.40			<b>B5</b>		22500		<b>110</b>	1840			1.2	12.78	<b>B5</b>	22097
	<b>79</b>	1277	2.2	17.73			<b>B5</b>		22500		<b>99</b>	2028			1.1	14.08	<b>B5</b>	22028
	<b>69</b>	1458	1.9	20.24			<b>B5</b>		22500		<b>85</b>	2362			1.0	16.40	<b>B5</b>	21475
	<b>54</b>	1872	1.7	25.99			<b>B5</b>		22500		<b>79</b>	2555			1.1	17.73	<b>B5</b>	20928
	<b>50</b>	2024	1.6	28.10			<b>B5</b>		22500	<b>69</b>	2916	1.0			20.24	<b>B5</b>	19494	
	<b>43</b>	2330	1.4	32.35			<b>B5</b>		22500									
<b>38</b>	2671	1.2	37.09	<b>B5</b>	22500													
<b>32</b>	3139	1.0	43.57	<b>B5</b>	22500													

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

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

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

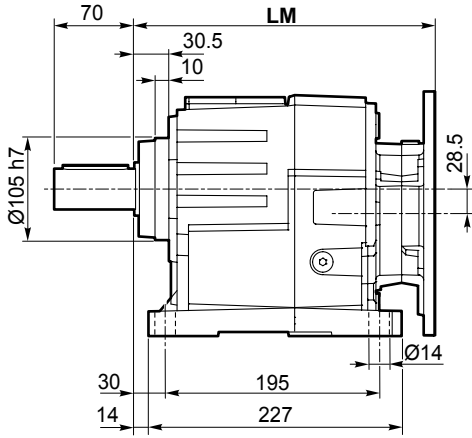


**Dimensioni**

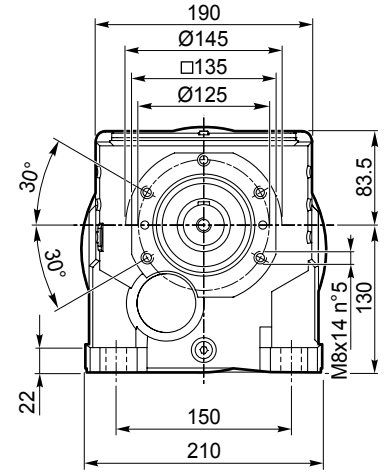
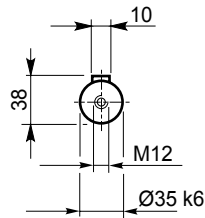
**Dimensions**

**ITH 112 - ITH 113**

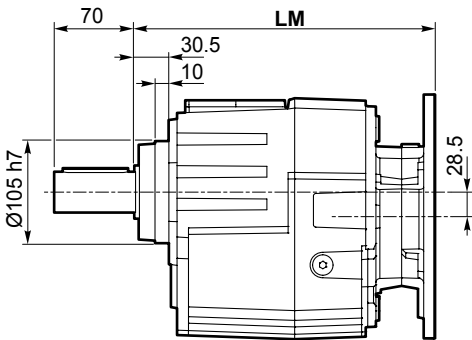
**ITH 112 U**  
**ITH 113 U**



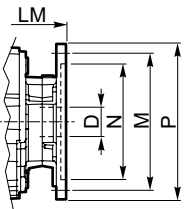
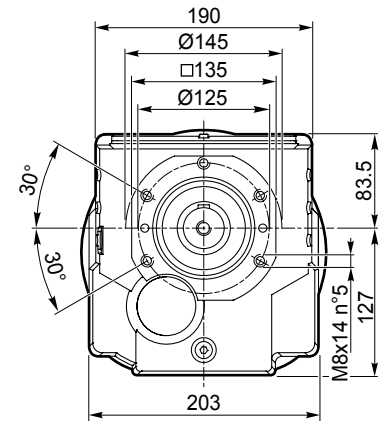
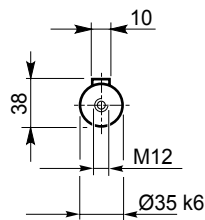
Albero uscita  
Output shaft



**ITH 112 G**  
**ITH 113 G**

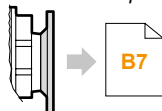


Albero uscita  
Output shaft

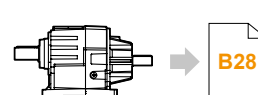


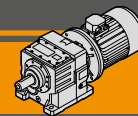
Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
<b>LM</b>	289			293,5	293	293,5	314	
<b>N</b>	110	130	130	95	180	110	230	130
<b>M</b>	130	165	165	115	215	130	265	165
<b>P</b>	160	200	200	130	250	160	300	200
<b>D</b>	14	19	24		28		38	

IEC Motori applicabili  
IEC Motor adapters



ITHIS 112...  
ITHIS 113...



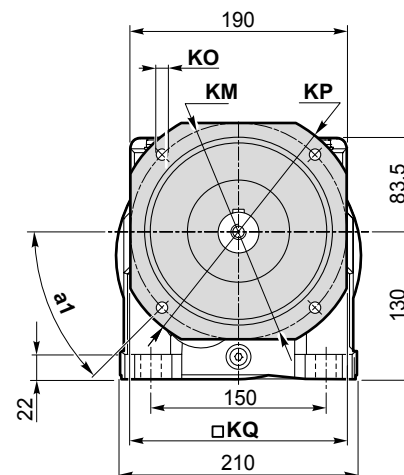
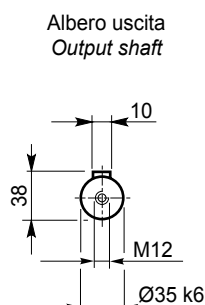
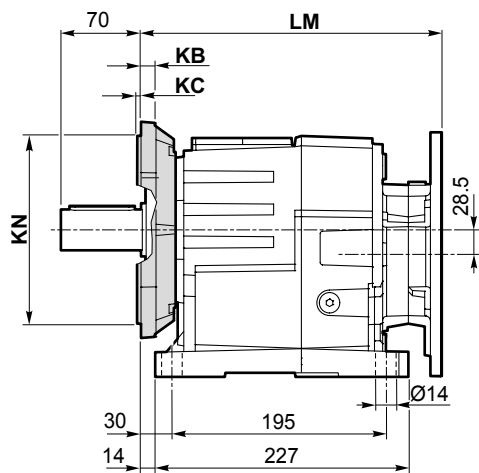


Dimensioni

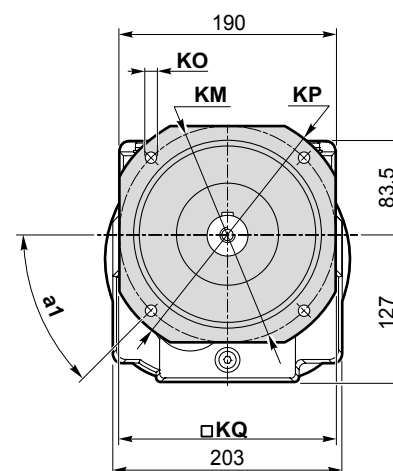
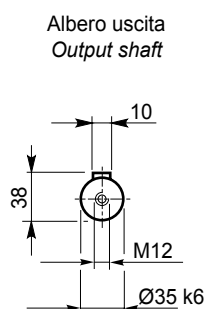
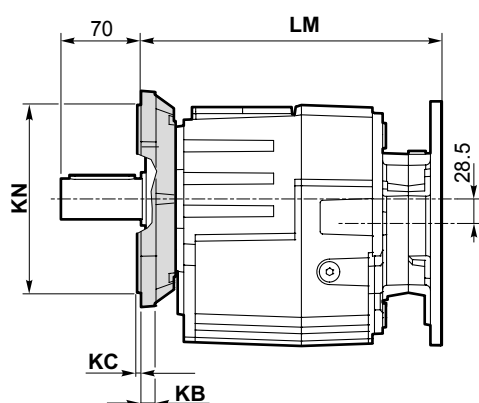
Dimensions

ITH 112 - ITH 113

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



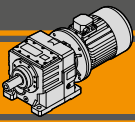
ITH 112 F...  
ITH 113 F...



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

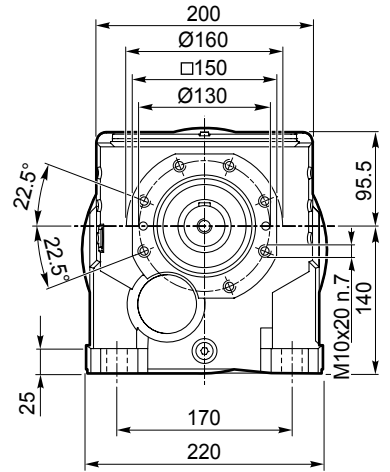
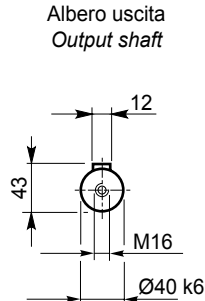
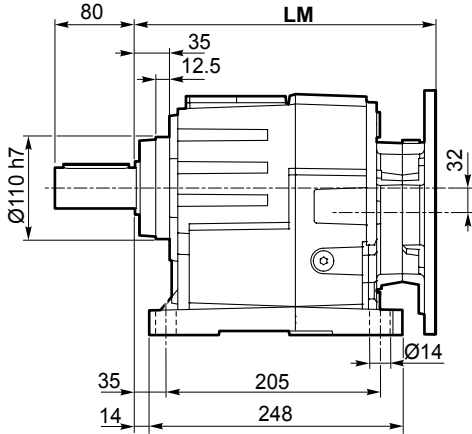


**Dimensioni**

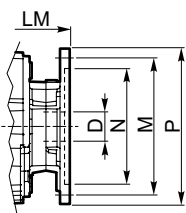
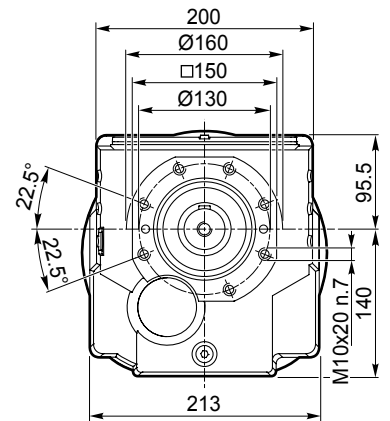
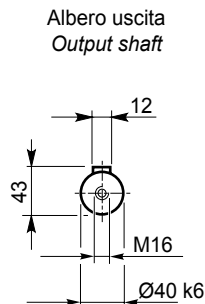
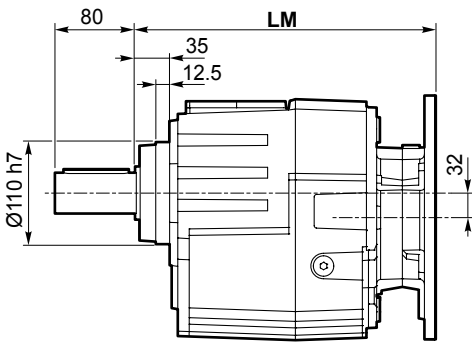
**Dimensions**

**ITH 122 - ITH 123**

**ITH 122 U**  
**ITH 123 U**

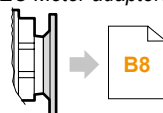


**ITH 122 G**  
**ITH 123 G**

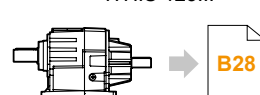


Dimensioni IEC / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
<b>LM</b>	309.5			314	313.5	314	334.5	
<b>N</b>	110	130	130	95	180	110	230	130
<b>M</b>	130	165	165	115	215	130	265	165
<b>P</b>	160	200	200	130	250	160	300	200
<b>D</b>	14	19	24		28		38	

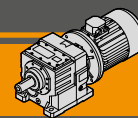
IEC Motori applicabili  
IEC Motor adapters



ITHIS 122...  
ITHIS 123...





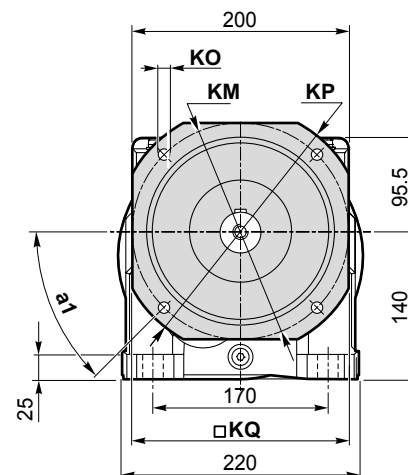
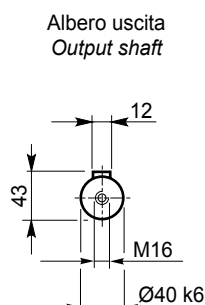
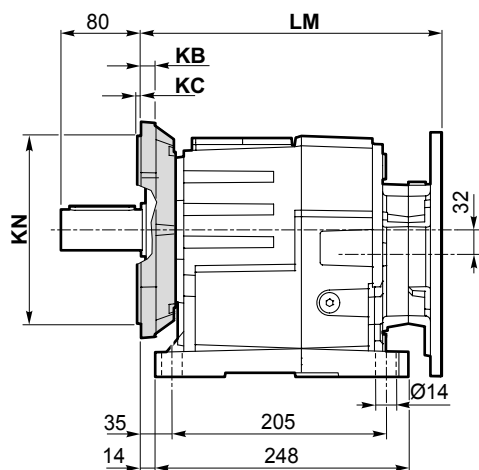


Dimensioni

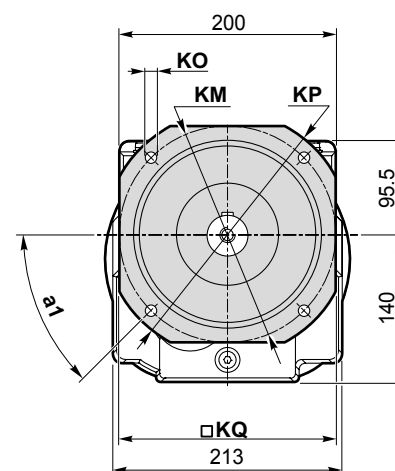
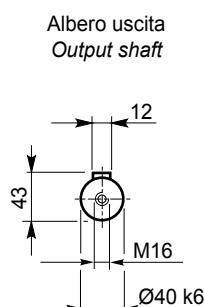
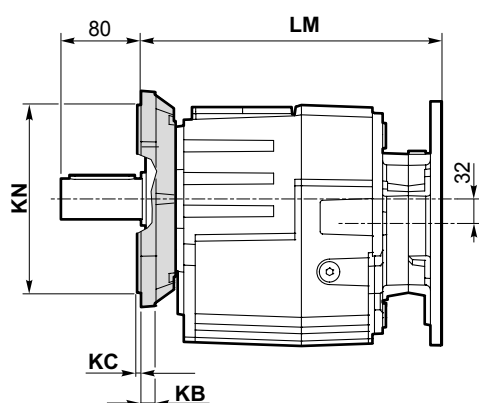
Dimensions

ITH 122- ITH 123

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



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



Versione F / F Version

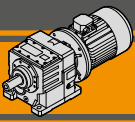
ITH	a <sub>1</sub>	KB	KC	KM	KN f7	KO	KP	KQ	Flangia / Flange	Peso / Weight [kg]
									Tipo / Type	
122 123	45°	13	4	165	130	11	200	172	F200	2.6
	45°	13	4	215	180	14	250	215	F250	3.8
	45°	13	4	265	230	14	300	265	F300	5.6

Peso / Weight [kg]

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

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



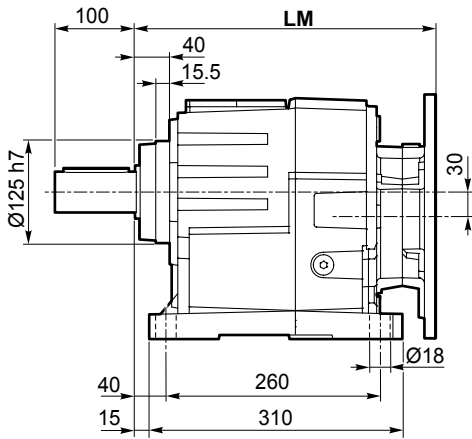


**Dimensioni**

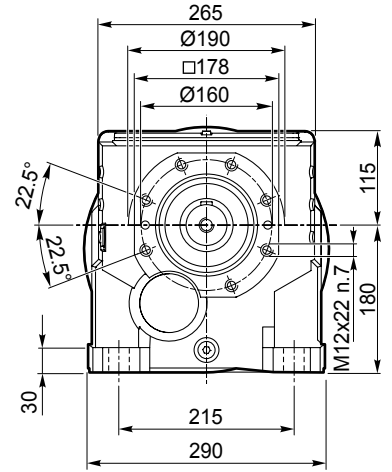
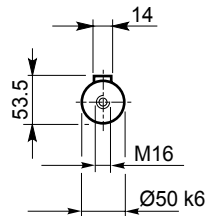
**Dimensions**

**ITH 132 - ITH 133**

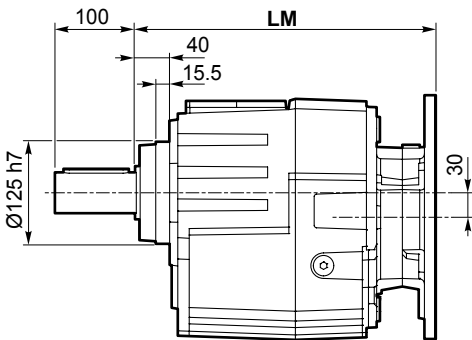
**ITH 132 U**  
**ITH 133 U**



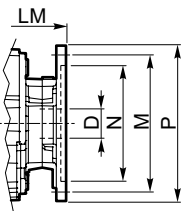
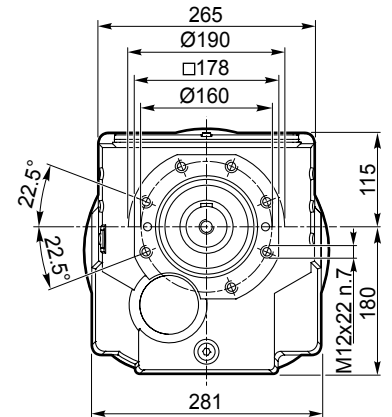
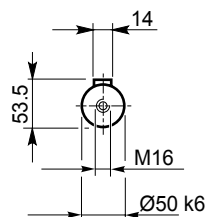
Albero uscita  
Output shaft



**ITH 132 G**  
**ITH 133 G**

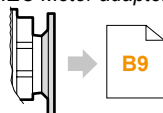


Albero uscita  
Output shaft

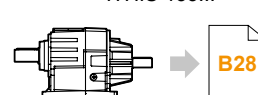


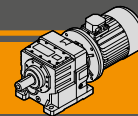
Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
<b>LM</b>	340.5		345	344.5	345	365.5		415.5	
<b>N</b>	130		95	180	110	230	130	250	
<b>M</b>	165		115	215	130	265	165	300	
<b>P</b>	200		140	250	160	300	200	350	
<b>D</b>	19	24		28		38		42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

IEC Motori applicabili  
IEC Motor adapters



ITHIS 132...  
ITHIS 133...



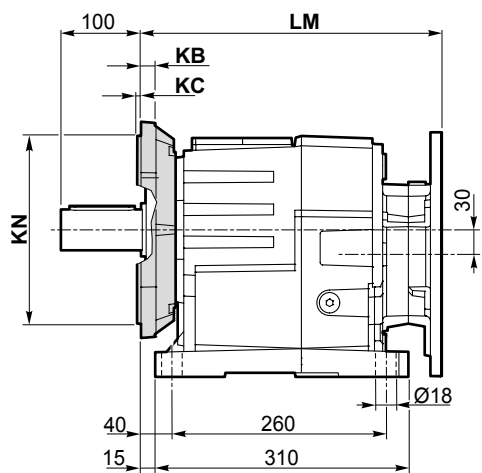


Dimensioni

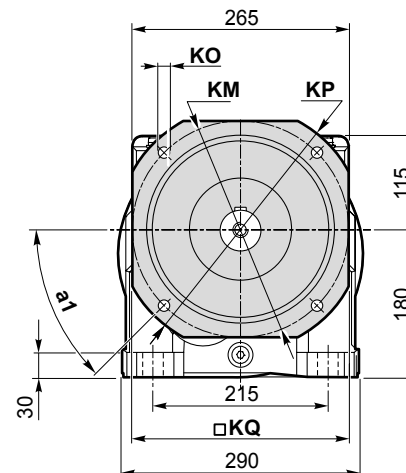
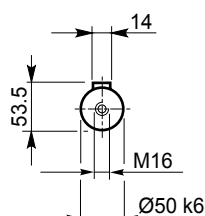
Dimensions

ITH 132- ITH 133

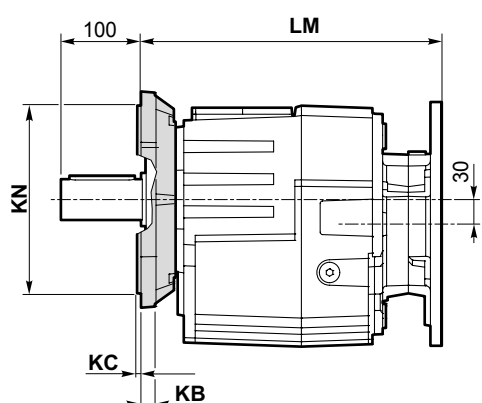
ITH 132 U/F...  
ITH 133 U/F...



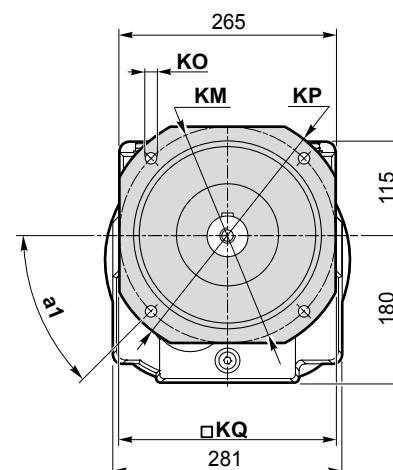
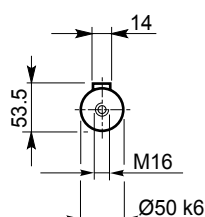
Albero uscita  
Output shaft



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



Albero uscita  
Output shaft



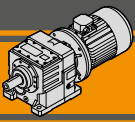
Versione F / F Version

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

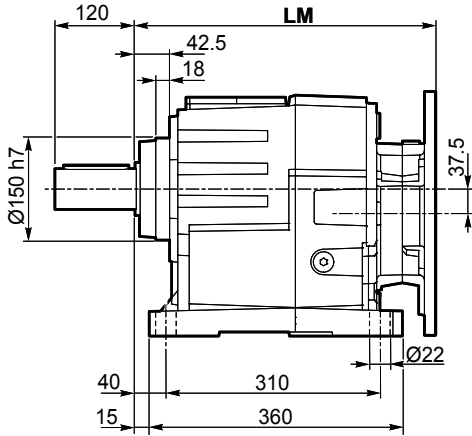
Motoriduttori ad ingranaggi cilindrici  
Helical in-line gearmotors

Dimensioni

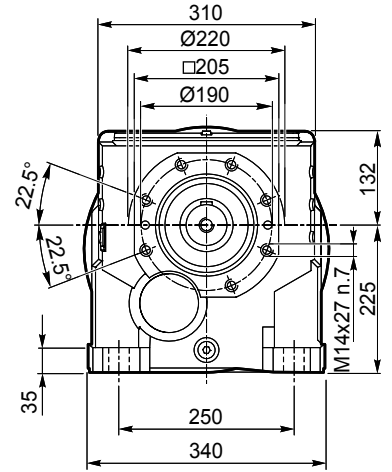
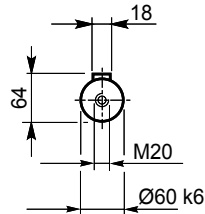
Dimensions

**ITH 142 - ITH 143**

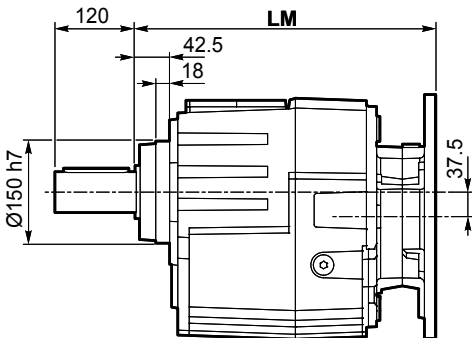
**ITH 142 U**  
**ITH 143 U**



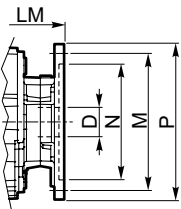
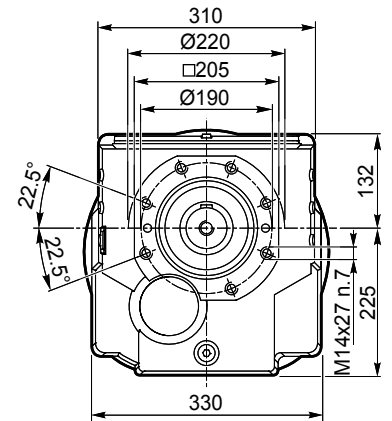
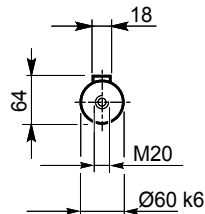
Albero uscita  
Output shaft



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

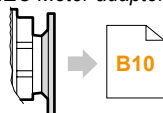


Albero uscita  
Output shaft

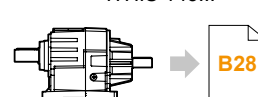


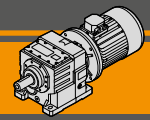
Dimensioni IEC / IEC Dimensions										
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
<b>LM</b>	373.5	378	377.5	378	378	398.5		448.5	460.5	
<b>N</b>	130	95	180	110	230	130	250	300	300	
<b>M</b>	165	115	215	130	265	165	300	350	350	
<b>P</b>	200	140	250	160	300	200	350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

IEC Motori applicabili  
IEC Motor adapters



ITHIS 142...  
ITHIS 143...



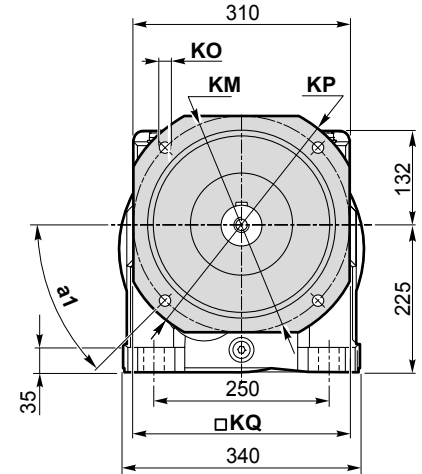
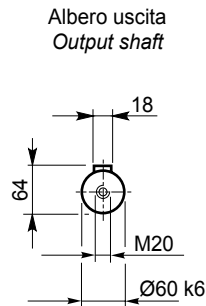
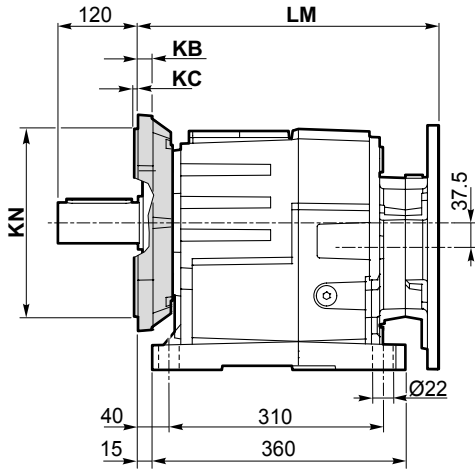


Dimensioni

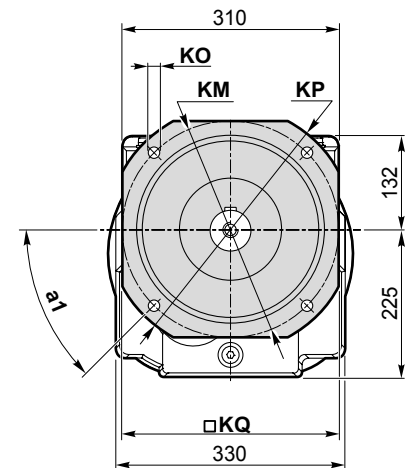
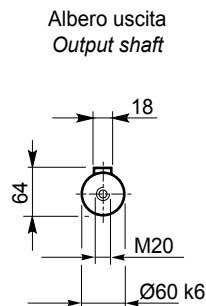
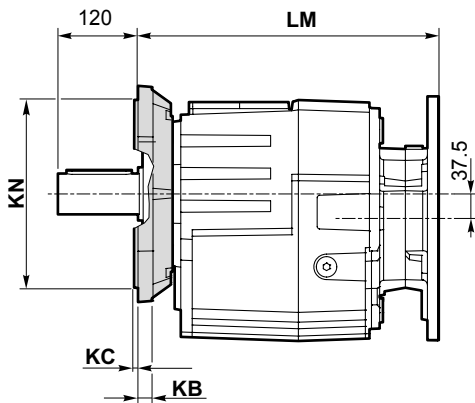
Dimensions

ITH 142- ITH 143

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



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



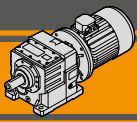
Versione F / F Version

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



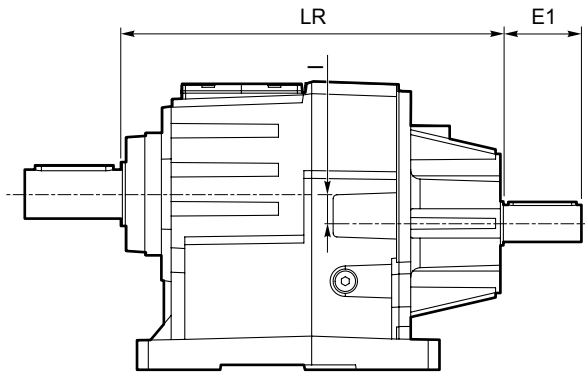
**ITH**

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

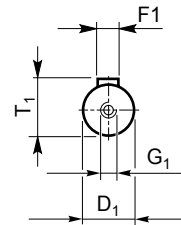
**Dimensioni**

**Dimensions**

**ITHIS...**



Albero entrata  
Input shaft



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

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