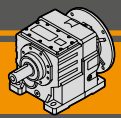


Motoriduttori ad ingranaggi cilindrici Helical in-line gearmotors

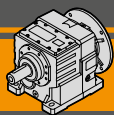




Indice	Index	Pag. Page
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Designazione	<i>Classification</i>	B3
Sensi di rotazione	<i>Direction of rotation</i>	B3
Simbologia	<i>Symbols</i>	B3
Lubrificazione	<i>Lubrication</i>	B4
Carichi radiali in entrata	<i>Input radial loads</i>	B6
Carichi radiali in uscita	<i>Output radial loads</i>	B6
Dati tecnici	<i>Technical data</i>	B7
Dimensioni	<i>Dimensions</i>	B20
Accessori	<i>Accessories</i>	B28

Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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Caratteristiche tecniche

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

Caratteristiche comuni a tutta la serie sono:

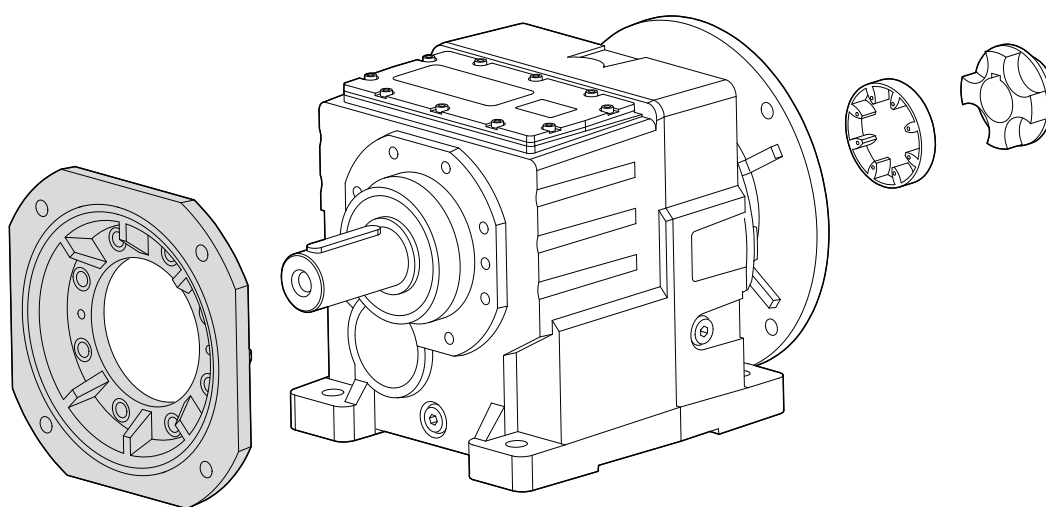
- Costruzione robusta con carcassa in ghisa;
- Elevata modularità;
- Lubrificazione con olio sintetico;
- Accoppiamento al motore tramite giunto elastico.

Technical features

The ITH gearmotors are for industrial applications with particularly heavy loads. Their robust cast iron housings and highly modular different input and output kits mean they are suited to all types of application.

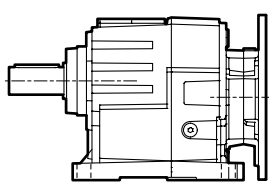
The main features of ITH range are:

- Robust cast iron housings;
- High degree of modularity;
- Lubrication with synthetic oil;
- Coupled to motor with flexible coupling..

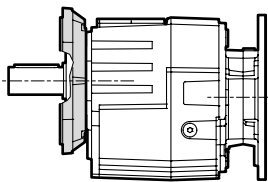


Versioni

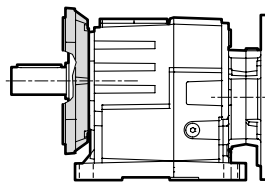
Versions



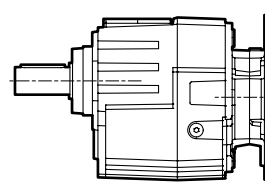
U



F...



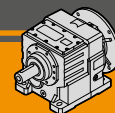
U/F...



G

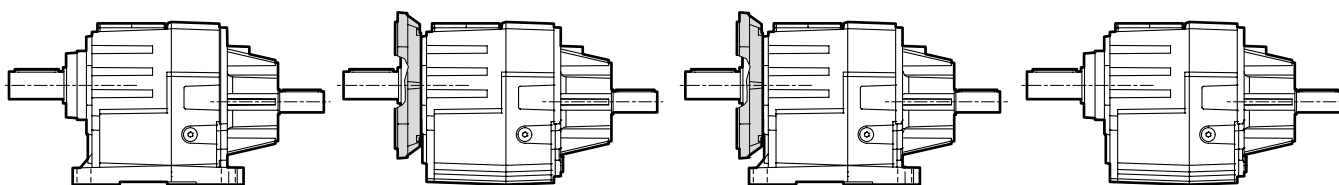
RIDUTTORE / GEARBOX

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



Designazione

Classification



U

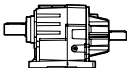
F...

U/F...

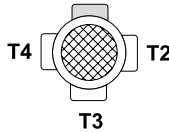
G

ITH

RIDUTTORE / GEARBOX

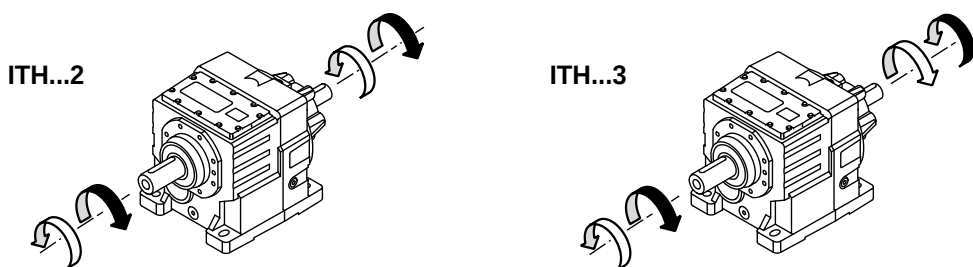
ITHIS	12	2	H	26.28	D40	M1
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	Pos. di montaggio Mounting position
ITHIS 	11 12 13 14	2 3	U F... U/F... G	vedi tabelle see tables	vedi tabelle see tables	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

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	230V 230/400V	50Hz 60Hz	T1 (Std) 

Sensi di rotazione

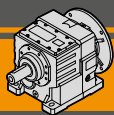
Direction of rotation



Simbologia

Symbols

n_1	[min ⁻¹]	Velocità in ingresso / <i>Input speed</i>
n_2	[min ⁻¹]	Velocità in uscita / <i>Output speed</i>
i		Rapporto di riduzione / <i>Ratio</i>
P_1	[kW]	Potenza in entrata / <i>Input power</i>
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / <i>Output torque referred to P_1</i>
P_{n1}	[kW]	Potenza nominale in entrata / <i>Nominal input power</i>
M_{n2}	[Nm]	Coppia nominale in uscita in funzione di P_{n1} / <i>Nominal output torque referred to P_{n1}</i>
sf		Fattore di servizio / <i>Service factor</i>
R_1	[N]	Carico radiale ammissibile in entrata / <i>Permitted input radial load</i>
A_1	[N]	Carico assiale ammissibile in entrata / <i>Permitted input axial load</i>
R_2	[N]	Carico radiale ammissibile in uscita / <i>Permitted output radial load</i>
A_2	[N]	Carico assiale ammissibile in uscita / <i>Permitted output axial load</i>

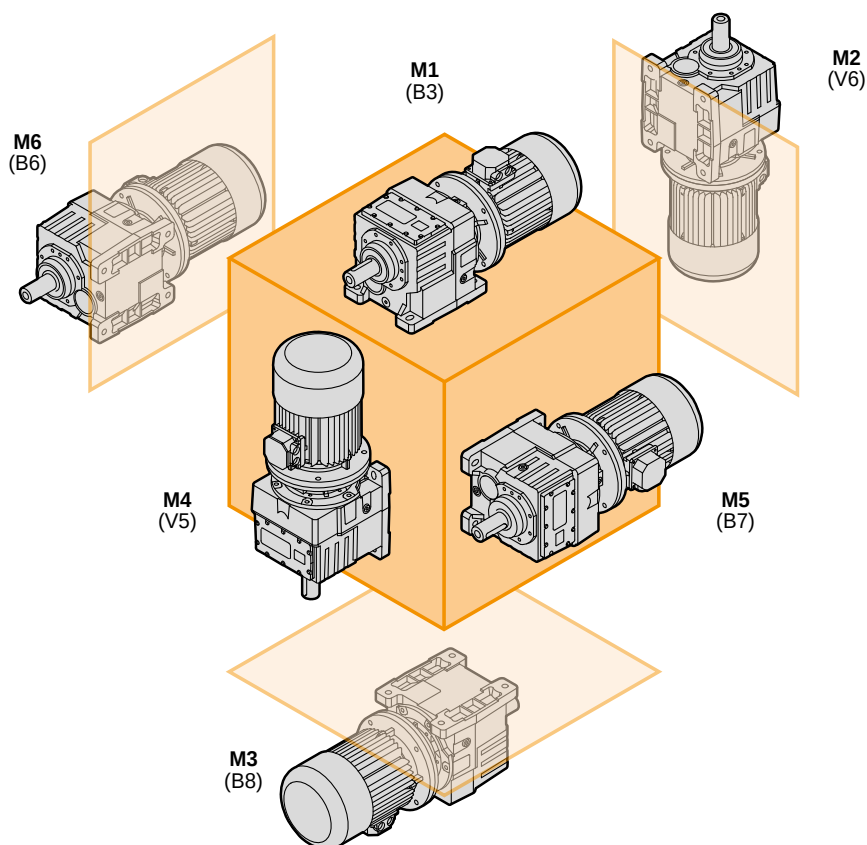


Lubrificazione

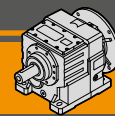
I motoriduttori della serie ITH sono forniti completi di lubrificante sintetico viscosità 320. La quantità di lubrificante dipende dalla posizione di montaggio.

Lubrication

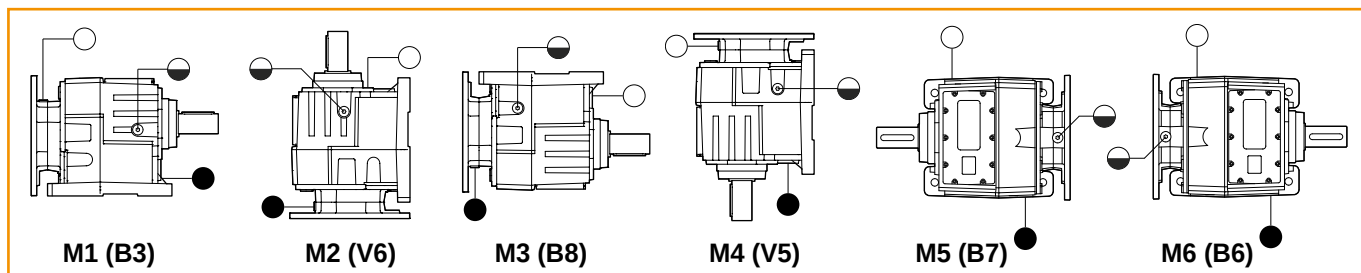
ITH series gearmotors come complete with synthetic lubricant 320 viscosity. The lubricant quantity depends on assembly position.



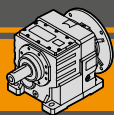
ITH	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	2,7	3,9	3,7	3,4	2,4	2,4
122 123	3,3	5,0	4,3	4,3	3,1	2,9
132 133	6,5	9,5	8,3	8,6	5,9	5,7
142 143	10,5	14,5	11,5	14,4	9,4	9,0



ITHIS	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	2,9	4,3	3,9	3,4	2,6	2,6
122 123	3,5	5,4	4,5	4,3	3,3	3,1
132	6,9	10,2	8,7	8,6	6,3	6,1
133	6,7	9,9	8,5		6,1	5,9
142	10,9	15,2	11,9	14,4	9,8	9,4
143	10,7	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_1 [min ⁻¹]	Potenza motore/ Motor Power [kW]		
		1.1	1.5	1.85
R_1 [N]	1400	1250		
	900	1500		500
	500	1750	-	-

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

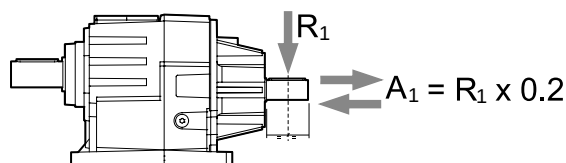
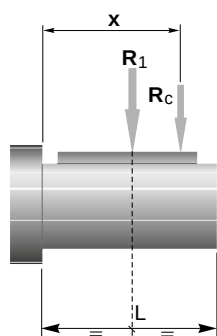
ITH 132 ITH 142	n_1 [min ⁻¹]	Potenza motore/ Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R_1 [N]	1400	3700				2800	1200
	900	4900			3300	650	-
	500	5250	3900	1300	-	-	-

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

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

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

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



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

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

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

$$R \leq R_c$$

Carichi radiali in uscita

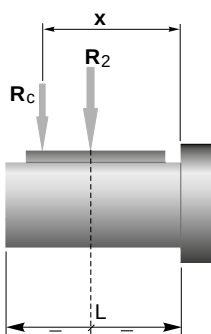
Output Radial loads

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

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

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

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

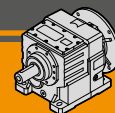


	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	184	184	208	208	247	247	286	286
b	149	149	168	168	197	197	226	226
R_{2MAX}	8200	8200	12500	12500	18500	18500	22500	22500

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

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

$$R \leq R_c$$

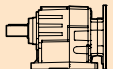


Dati tecnici

n_1 1400 min⁻¹

Technical data

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

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

ITH 112

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

ITHIS 113

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

ITH 113

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

N.B.

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

N.B.

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



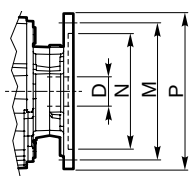
* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.



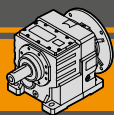
* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B9 alla pag. B17.

Before selecting any gearbox, please read the performance values shown in the tables on page B9 to B17.



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

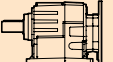


Dati tecnici

n_1 1400 min⁻¹

Technical data

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

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

ITH 122

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

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.



* = 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. B9 alla pag. B17.

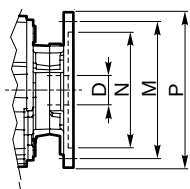
N.B.

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 B9 to B17.



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

H



IEC Motor applicabili
IEC Motor adapters

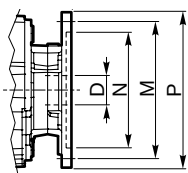
H

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

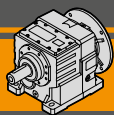
H

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

Before selecting any gearbox, please read the performance values shown in the tables on page B9 to B17.



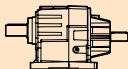
Dimensioni IEC / IEC Dimensions								
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	160 B5	180 B5
N	130	130	95	180	110	230	250	250
M	165	165	115	215	130	265	300	300
P	200	200	140	250	160	300	350	350
D	19	24		28		38	42	48

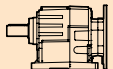


Dati tecnici

n_1 1400 min⁻¹

Technical data

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

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

ITH 142

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

ITHIS 143

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

ITH 143

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

N.B.

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



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

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B9 alla pag. B17.

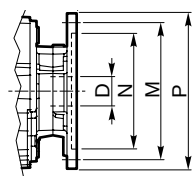
N.B.

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

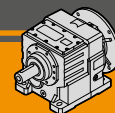


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page B9 to B17.



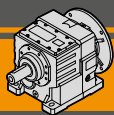
Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	160 B5	180 B5	200 B5
N	130	130	95	180	110	230	250	250	300
M	165	165	115	215	130	265	300	300	350
P	200	200	140	250	160	300	350	350	400
D	19	24		28		38	42	48	55



Dati tecnici

Technical data

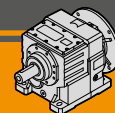
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
0.25								0.55								
71A4 (1400 min ⁻¹)	54	43	14	26.16	ITH112	B5	8200	80A4 (1400 min ⁻¹)	260	19	18	5.38	ITH112	B5	4411	
	39	60	11	36.35		B5	8200		216	23	15	6.47		B5	4901	
	34	68	10	41.57		B5	8200		178	28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



Dati tecnici

Technical data

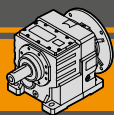
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
0.55								0.75							
80A4 (1400 min ⁻¹)	23	215	8.8	60.92	ITH133	B5	18500	80B4 (1400 min ⁻¹)	25	269	3.6	56.00	ITH123	B5	12500
	22	228	8.3	64.74		B5	18500		23	295	3.3	61.31		B5	12500
	20	250	7.6	70.88		B5	18500		20	339	2.9	70.53		B5	12500
	18	276	6.9	78.38		B5	18500		17	390	2.5	81.00		B5	12500
	16	307	6.2	87.14		B5	18500		16	426	2.3	88.68		B5	12500
	15	337	5.6	95.67		B5	18500		13	506	1.9	105.23		B5	12500
	13	388	4.9	109.93		B5	18500		12	554	1.8	115.21		B5	12500
	12	424	4.5	120.36		B5	18500		11	619	1.6	128.73		B5	12500
	10	475	4.0	134.66		B5	18500		9.7	693	1.4	144.00		B5	12500
	9.5	522	3.6	147.98		B5	18500		8.9	758	1.3	157.66		B5	12500
	8.6	573	3.3	162.45		B5	18500		7.9	856	1.1	178.10		B5	12500
	7.3	675	2.8	191.39	ITH143	B5	18500		6.9	979	1.0	203.65	ITH132	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		37	185	10	37.71		B5	18500
	13	393	8.9	111.40		B5	22500		33	205	9.3	41.80		B5	18500
	12	425	8.2	120.42		B5	22500		31	224	8.5	45.60		B5	18500
	11	465	7.5	131.84		B5	22500		28	245	7.8	49.88		B5	18500
	9.5	520	6.7	147.51		B5	22500		23	293	6.5	60.92	ITH133	B5	18500
	8.6	572	6.1	162.10		B5	22500		22	311	6.1	64.74		B5	18500
	7.9	628	5.6	177.95		B5	22500		20	341	5.6	70.88		B5	18500
	7.2	684	5.1	193.96		B5	22500		18	377	5.0	78.38		B5	18500
	6.1	809	4.3	229.46		B5	22500		16	419	4.5	87.14		B5	18500
	5.5	892	3.9	252.87		B5	22500		15	460	4.1	95.67		B5	18500
80B4 (1400 min ⁻¹)	260	26	13	5.38	ITH112	B5	4390		13	529	3.6	109.93		B5	18500
	216	32	11	6.47		B5	4874		12	579	3.3	120.36		B5	18500
	178	39	10	7.88		B5	5441		10	648	2.9	134.66		B5	18500
	164	42	9.5	8.54		B5	5693		9.5	712	2.7	147.98		B5	18500
	155	44	9.4	9.06		B5	5881		8.6	781	2.4	162.45		B5	18500
	136	50	8.3	10.28		B5	6305		7.3	920	2.1	191.39		B5	18500
	123	56	8.6	11.39		B5	6669		6.7	1007	1.9	209.48		B5	18500
	112	61	7.8	12.52		B5	7019		6.1	1110	1.7	230.85		B5	18500
	95	73	6.9	14.80		B5	7680		18	382	9.2	79.43	ITH143	B5	22500
	77	89	6.0	18.10		B5	8200		16	413	8.5	85.85		B5	22500
80B4 (1400 min ⁻¹)	69	99	5.3	20.25	ITH113	B5	8200		13	536	6.5	111.40		B5	22500
	60	116	5.2	23.52		B5	8200		12	579	6.0	120.42		B5	22500
	54	128	4.7	26.16		B5	8200		11	634	5.5	131.84		B5	22500
	49	141	4.6	28.77		B5	8200		9.5	709	4.9	147.51		B5	22500
	44	158	4.3	32.18		B5	8200		8.6	780	4.5	162.10		B5	22500
	39	179	3.8	36.35		B5	8200		7.9	856	4.1	177.95		B5	22500
	34	204	3.3	41.57		B5	8200		7.2	933	3.8	193.96		B5	22500
	29	237	2.5	48.27		B5	8200		6.7	1008	3.5	209.65		B5	22500
	24	281	2.1	57.21		B5	8200		6.1	1103	3.2	229.46		B5	22500
	25	266	2.6	55.27	ITH122	B5	11895		5.5	1216	2.9	252.87		B5	22500
	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		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								



Dati tecnici

Technical data

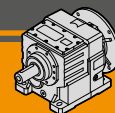
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
1.1								1.1								
90S4 (1400 min ⁻¹)	260	39	9.0	5.38	ITH112	B5/14	4354	90S4	23	430	4.4	60.92	ITH133	B5/14	18500	
	216	47	7.5	6.47		B5/14	4825	(1400 min ⁻¹)	22	457	4.2	64.74		B5/14	18500	
	178	57	7.1	7.88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



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Technical data

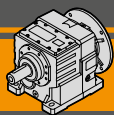
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]								
1.5								1.5															
90L4 (1400 min ⁻¹)	271	50	11	5.17	ITH122	B5/14	6002	90L4 (1400 min ⁻¹)	23	594	5.9	61.74	ITH143	B5/14	22500								
	209	66	8.4	6.69		B5/14	6929		21	642	5.5	66.73		B5/14	22500								
	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		1.85														
	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																	
	ITH123	25	539	1.8	56.00	B5/14	12500	90LB4 (1400 min ⁻¹)									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
		ITH132	155	89	10	9.03	B5/14										18500	123	138	3.5		11.39	B5/14
			136	101	9.4	10.30	B5/14		18500	112	152	3.2	12.52	B5/14	6584								
	127		108	8.8	11.01	B5/14	18500		95	179	2.8	14.80	B5/14	7113									
113	122		9.9	12.39	B5/14	18500	77		219	2.4	18.10	B5/14	7761										
95	145		8.3	14.80	B5/14	18500	69		245	2.2	20.25	B5/14	8120										
93	148		8.8	15.11	B5/14	18500	60		285	2.1	23.52	B5/14	8200										
75	184		8.2	18.69	B5/14	18500	54		317	1.9	26.16	B5/14	8200										
69	199		8.0	20.31	B5/14	18500	49		349	1.9	28.77	B5/14	8200										
55	252	6.4	25.65	B5/14	18500	44	390		1.7	32.18	B5/14	8200											
51	270	6.3	27.48	B5/14	18500	39	440		1.5	36.35	B5/14	8200											
46	299	5.7	30.46	B5/14	18500	34	504	1.4	41.57	B5/14	8200												
40	340	5.6	34.61	B5/14	18500	29	585	1.0	48.27	B5/14	8200												
37	370	5.1	37.71	B5/14	18500	ITH113	25	656	1.1	55.27	ITH122	B5/14	8200										
33	411	4.6	41.80	B5/14	18500		271	61	9.0	5.17		B5/14	5973										
31	448	4.2	45.60	B5/14	18500		209	81	6.8	6.69		B5/14	6884										
28	490	3.9	49.88	B5/14	18500		180	94	6.4	7.79		B5/14	7485										
ITH133	23	586	3.2	60.92	B5/14		18500	159	107	6.1		8.82	B5/14	8004									
	22	623	3.1	64.74	B5/14		18500	139	122	6.1		10.08	B5/14	8595									
	20	682	2.8	70.88	B5/14		18500	123	137	5.5		11.35	B5/14	9150									
	18	754	2.5	78.38	B5/14		18500	105	161	5.3		13.30	B5/14	9935									
	16	838	2.3	87.14	B5/14		18500	88	193	4.4	15.92	B5/14	10880										
	15	920	2.1	95.67	B5/14		18500	82	207	4.1	17.11	B5/14	11276										
	13	1057	1.8	109.93	B5/14		18500	72	236	3.6	19.50	B5/14	12012										
	12	1158	1.6	120.36	B5/14		18500	65	260	3.5	21.43	B5/14	12500										
	10	1295	1.5	134.66	B5/14		18500	58	291	3.4	24.00	B5/14	12500										
	9.5	1423	1.3	147.98	B5/14		18500	53	318	3.1	26.28	B5/14	12500										
	8.6	1562	1.2	162.45	B5/14		18500	48	356	2.8	29.40	B5/14	12500										
	7.3	1841	1.0	191.39	B5/14		18500	43	391	2.5	32.31	B5/14	12500										
ITH123	25	664	1.5	56.00	B5/14	12500	39	430	2.3	35.47	B5/14	12500											
	23	727	1.3	61.31	B5/14	12500	34	506	1.9	41.78	B5/14	12500											
	20	837	1.2	70.53	B5/14	12500	31	554	1.8	45.73	B5/14	12500											
	17	961	1.0	81.00	B5/14	12500	28	611	1.6	50.40	B5/14	12500											
	16	1052	0.9	88.68	B5/14	12500	ITH123	25	664	1.5	56.00	B5/14	12500										
	ITH123	23	727	1.3	61.31	B5/14		12500	23	727	1.3	61.31	B5/14	12500									
		20	837	1.2	70.53	B5/14		12500	20	837	1.2	70.53	B5/14	12500									
		17	961	1.0	81.00	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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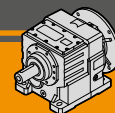
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1.85								2.2								
90LB4 (1400 min ⁻¹)	155	109	8.2	9.03	ITH132	B5/14	18500	100LA4 (1400 min ⁻¹)	271	73	7.5	5.17	ITH122	B5/14	5944	
	136	125	7.6	10.30		B5/14	18500		209	96	5.7	6.69		B5/14	6840	
	127	133	7.1	11.01		B5/14	18500		180	112	5.3	7.79		B5/14	7428	
	113	150	8.0	12.39		B5/14	18500		159	127	5.1	8.82		B5/14	7935	
	95	179	6.7	14.80		B5/14	18500		139	145	5.2	10.08		B5/14	8510	
	93	183	7.1	15.11		B5/14	18500		123	164	4.6	11.35		B5/14	9047	
	75	226	6.6	18.69		B5/14	18500		105	192	4.4	13.30		B5/14	9803	
	69	246	6.5	20.31		B5/14	18500		88	229	3.7	15.92		B5/14	10704	
	55	311	5.1	25.65		B5/14	18500		82	247	3.4	17.11		B5/14	11079	
	51	333	5.1	27.48		B5/14	18500		72	281	3.0	19.50		B5/14	11770	
	46	369	4.6	30.46		B5/14	18500		65	309	2.9	21.43		B5/14	12276	
	40	419	4.5	34.61		B5/14	18500		58	346	2.8	24.00		B5/14	12500	
	37	457	4.2	37.71		B5/14	18500		53	379	2.6	26.28		B5/14	12500	
	33	506	3.8	41.80		B5/14	18500		48	424	2.3	29.40		B5/14	12500	
	31	552	3.4	45.60		B5/14	18500		43	465	2.1	32.31		B5/14	12500	
	28	604	3.1	49.88		B5/14	18500		39	511	1.9	35.47		B5/14	12500	
							34		602	1.6	41.78	B5/14	12500			
							31		659	1.5	45.73	B5/14	12500			
							28		726	1.3	50.40	B5/14	12500			
	23	723	2.6	60.92	ITH133	B5/14	18500							ITH123	B5/14	12500
	22	768	2.5	64.74		B5/14	18500								B5/14	12500
	20	841	2.3	70.88		B5/14	18500		25	790	1.2	56.00			B5/14	12500
	18	930	2.0	78.38		B5/14	18500		23	865	1.1	61.31			B5/14	12500
	16	1034	1.8	87.14		B5/14	18500		20	995	1.0	70.53				
	15	1135	1.7	95.67		B5/14	18500									
	13	1304	1.5	109.93		B5/14	18500		155	130	6.9	9.03	ITH132	B5/14	18500	
	12	1428	1.3	120.36		B5/14	18500		136	148	6.4	10.30		B5/14	18500	
	10	1597	1.2	134.66	B5/14	18500	127		159	6.0	11.01	B5/14		18500		
	9.5	1755	1.1	147.98	B5/14	18500	113		179	6.7	12.39	B5/14		18500		
	8.6	1927	1.0	162.45	B5/14	18500	95		213	5.6	14.80	B5/14		18500		
							93		218	6.0	15.11	B5/14		18500		
							75		269	5.6	18.69	B5/14		18500		
							69		293	5.5	20.31	B5/14		18500		
	23	732	4.8	61.74	ITH143	B5/14	22500		55	370	4.3	25.65	B5/14	18500		
	21	792	4.4	66.73		B5/14	22500		51	396	4.3	27.48	B5/14	18500		
	18	942	3.7	79.43		B5/14	22500		46	439	3.9	30.46	B5/14	18500		
	16	1018	3.4	85.85		B5/14	22500		40	499	3.8	34.61	B5/14	18500		
	13	1322	2.6	111.40		B5/14	22500		37	543	3.5	37.71	B5/14	18500		
	12	1428	2.5	120.42		B5/14	22500		33	602	3.2	41.80	B5/14	18500		
	11	1564	2.2	131.84		B5/14	22500		31	657	2.9	45.60	B5/14	18500		
9.5	1750	2.0	147.51	B5/14		22500	28	719	2.6	49.88	B5/14	18500				
8.6	1923	1.8	162.10	B5/14		22500										
7.9	2111	1.7	177.95	B5/14		22500										
7.2	2301	1.5	193.96	B5/14		22500										
6.7	2487	1.4	209.65	B5/14		22500	23	859	2.2	60.92	ITH133	B5/14	18500			
6.1	2722	1.3	229.46	B5/14	22500	22	913	2.1	64.74	B5/14		18500				
5.5	3000	1.2	252.87	B5/14	22500	20	1000	1.9	70.88	B5/14		18500				
				B5/14	22500	18	1106	1.7	78.38	B5/14		18500				
2.2																
100LA4 (1400 min ⁻¹)	260	77	4.5	5.38	ITH112	B5/14	4240						ITH142	B5/14	22500	
	216	93	3.8	6.47		B5/14	4672							B5/14	22500	
	178	113	3.5	7.88		B5/14	5166							B5/14	22500	
	164	123	3.3	8.54		B5/14	5379							B5/14	22500	
	155	131	3.2	9.06		B5/14	5537		85	236	9.7	16.40		B5/14	22500	
	136	148	2.8	10.28		B5/14	5886		69	292	9.6	20.24		B5/14	22500	
	123	164	2.9	11.39		B5/14	6175		54	374	8.5	25.99		B5/14	22500	
	112	180	2.7	12.52		B5/14	6446		43	466	6.9	32.35		B5/14	22500	
	95	213	2.3	14.80		B5/14	6933		32	628	5.1	43.57		B5/14	22500	
	77	261	2.0	18.10		B5/14	7513		30	682	4.7	47.35		B5/14	22500	
	69	292	1.8	20.25		B5/14	7823		27	746	4.3	51.76		B5/14	22500	
	60	339	1.8	23.52		B5/14	8200									
	54	377	1.6	26.16		B5/14	8200									
	49	414	1.6	28.77		B5/14	8200									
	44	464	1.5	32.18		B5/14	8200									
	39	524	1.3	36.35		B5/14	8200									
	34	599	1.1	41.57		B5/14	8200									



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Technical data

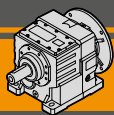
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
2.2								3.0								
100LA4 (1400 min ⁻¹)	23	871	4.0	61.74	ITH143	B5/14	22500	100LB4 (1400 min ⁻¹)	155	177	5.1	9.03	ITH132	B5/14	18500	
	21	941	3.7	66.73		B5/14	22500		136	202	4.7	10.30		B5/14	18500	
	18	1120	3.1	79.43		B5/14	22500		127	216	4.4	11.01		B5/14	18500	
	16	1211	2.9	85.85		B5/14	22500		113	243	4.9	12.39		B5/14	18500	
	13	1572	2.2	111.40		B5/14	22500		95	291	4.1	14.80		B5/14	18500	
	12	1699	2.1	120.42		B5/14	22500		93	297	4.4	15.11		B5/14	18500	
	11	1860	1.9	131.84		B5/14	22500		75	367	4.1	18.69		B5/14	18500	
	9.5	2081	1.7	147.51		B5/14	22500		69	399	4.0	20.31		B5/14	18500	
	8.6	2287	1.5	162.10		B5/14	22500		55	504	3.2	25.65		B5/14	18500	
	7.9	2510	1.4	177.95		B5/14	22500		51	540	3.1	27.48		B5/14	18500	
	7.2	2736	1.3	193.96		B5/14	22500		46	598	2.8	30.46		B5/14	18500	
	6.7	2957	1.2	209.65		B5/14	22500		40	680	2.8	34.61		B5/14	18500	
	6.1	3237	1.1	229.46		B5/14	22500		37	741	2.6	37.71		B5/14	18500	
	5.5	3567	1.0	252.87		B5/14	22500		33	821	2.3	41.80		B5/14	18500	
3.0								31	896	2.1	45.60	ITH133	B5/14	18500		
								28	980	1.9	49.88		B5/14	18500		
								23	1172	1.6	60.92		B5/14	18500		
								22	1245	1.5	64.74		B5/14	18500		
								20	1363	1.4	70.88		B5/14	18500		
								18	1508	1.3	78.38		B5/14	18500		
								16	1676	1.1	87.14		B5/14	18500		
								15	1840	1.0	95.67		B5/14	18500		
								110	251	8.8	12.78		ITH142	B5/14	22500	
								99	277	8.3	14.08			B5/14	22500	
								85	322	7.1	16.40			B5/14	22500	
								69	398	7.0	20.24			B5/14	22500	
								54	511	6.3	25.99			B5/14	22500	
								43	636	5.0	32.35			B5/14	22500	
32	856	3.7	43.57	B5/14	22500											
30	930	3.4	47.35	B5/14	22500											
27	1017	3.1	51.76	B5/14	22500											
23	1188	2.9	61.74	ITH143	B5/14	22500										
21	1284	2.7	66.73		B5/14	22500										
18	1528	2.3	79.43		B5/14	22500										
16	1651	2.1	85.85		B5/14	22500										
13	2143	1.6	111.40		B5/14	22500										
12	2316	1.5	120.42		B5/14	22500										
11	2536	1.4	131.84		B5/14	22500										
9.5	2838	1.2	147.51		B5/14	22500										
8.6	3118	1.1	162.10		B5/14	22500										
7.9	3423	1.0	177.95		B5/14	22500										
4.0								112M4 (1400 min ⁻¹)	260	141	2.5	5.38	ITH112	B5/14	4053	
								216	169	2.1	6.47	B5/14		4422		
								178	206	1.9	7.88	B5/14		4824		
								164	224	1.8	8.54	B5/14		4991		
								155	237	1.8	9.06	B5/14		5111		
								136	269	1.6	10.28	B5/14		5365		
								123	298	1.6	11.39	B5/14		5563		
								112	328	1.5	12.52	B5/14		5735		
								95	388	1.3	14.80	B5/14		6005		
								77	474	1.1	18.10	B5/14		6237		
								69	530	1.0	20.25	B5/14		6299		
								60	616	1.0	23.52	B5/14		6277		



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Technical data

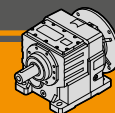
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
4.0								5.5							
112M4 (1400 min ⁻¹)	271	133	4.1	5.17	ITH122	B5/14	5795	132S4 (1400 min ⁻¹)	260	194	1.8	5.38	ITH112	B5	3898
	209	175	3.1	6.69		B5/14	6611		216	233	1.5	6.47		B5	4213
	180	204	2.9	7.79		B5/14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

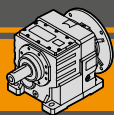
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5.5								9.2									
132S4 (1400 min ⁻¹)	23	2177	1.6	61.74	ITH143	B5	22500	132L4 (1400 min ⁻¹)	260	324	1.1	5.38	ITH112	B5	3514		
	21	2353	1.5	66.73		B5	22500		271	305	1.8	5.17		ITH122	B5	5364	
	18	2801	1.2	79.43		B5	22500		209	403	1.4	6.69			B5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



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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]		
11.0								22.0									
160M4 (1400 min ⁻¹)	228	434	4.1	6.15	ITH142	B5	20871	180L4 (1400 min ⁻¹)	278	710	1.2	5.03	ITH132	B5	10941		
	190	529	3.4	7.35		B5	22500		230	878	1.0	6.09		B5	11394		
	158	640	3.1	8.88		B5	22500		228	868	2.1	6.15		ITH142	B5	18992	
	144	702	2.8	9.75		B5	22500			1059	1.7	7.35			B5	20034	
	135	745	2.8	10.35		B5	22500			1280	1.6	8.88			B5	21065	
	120	839	2.5	11.65		B5	22500			1404	1.4	9.75			B5	21474	
	110	920	2.4	12.78		B5	22500			1491	1.4	10.35			B5	21693	
	99	1014	2.3	14.08		B5	22500			1678	1.3	11.65			B5	22000	
	85	1181	1.9	16.40		B5	22500			1840	1.2	12.78			B5	22097	
	79	1277	2.2	17.73		B5	22500			2028	1.1	14.08			B5	22028	
	69	1458	1.9	20.24		B5	22500			2362	1.0	16.40			B5	21475	
	54	1872	1.7	25.99		B5	22500			2555	1.1	17.73			B5	20928	
	50	2024	1.6	28.10		B5	22500			2916	1.0	20.24			B5	19494	
	43	2330	1.4	32.35		B5	22500			30.0							
	38	2671	1.2	37.09		B5	22500										
	32	3139	1.0	43.57		B5	22500		200L4 (1400 min ⁻¹)	228	1183	1.5		6.15	ITH142	B5	17626
15.0								190	1444	1.2	7.35	B5	18195				
								158	1745	1.1	8.88	B5	18598				
160L4 (1400 min ⁻¹)	230	598	1.4	6.09	ITH132	B5	12785	144	1915	1.0	9.75	B5	18625				
	203	679	1.3	6.91		B5	13329	135	2033	1.0	10.35	B5	18568				
	186	738	1.2	7.51		B5	13661	120	2288	0.9	11.65	B5	18247				
	167	821	1.1	8.36		B5	14043	18.5									
	155	887	1.0	9.03		B5	14276										
	228	592	3.0	6.15		ITH142	B5	20188									
	190	722	2.5	7.35	B5		21643										
	158	873	2.3	8.88	B5		22500										
	144	957	2.1	9.75	B5		22500										
	135	1016	2.1	10.35	B5		22500										
	120	1144	1.8	11.65	B5		22500										
	110	1255	1.8	12.78	B5		22500										
	99	1383	1.7	14.08	B5		22500										
	85	1610	1.4	16.40	B5		22500										
	79	1742	1.6	17.73	B5		22500										
	69	1988	1.4	20.24	B5		22500										
	54	2553	1.3	25.99	B5		22500										
	50	2760	1.2	28.10	B5		22500										
	43	3178	1.0	32.35	B5	22410											
180M4 (1400 min ⁻¹)	278	597	1.4	5.03	ITH132	B5	11445										
	230	738	1.2	6.09		B5	12090										
	203	837	1.1	6.91		B5	12480										
	186	910	1.0	7.51		B5	12692										
	228	730	2.5	6.15	ITH142	B5	19590										
	190	890	2.0	7.35		B5	20839										
	158	1076	1.9	8.88		B5	22145										
	144	1181	1.7	9.75		B5	22500										
	135	1254	1.7	10.35		B5	22500										
	120	1411	1.5	11.65		B5	22500										
	110	1548	1.4	12.78		B5	22500										
	99	1705	1.3	14.08		B5	22500										
	85	1986	1.2	16.40		B5	22500										
	79	2148	1.3	17.73		B5	22500										
	69	2452	1.1	20.24		B5	22500										
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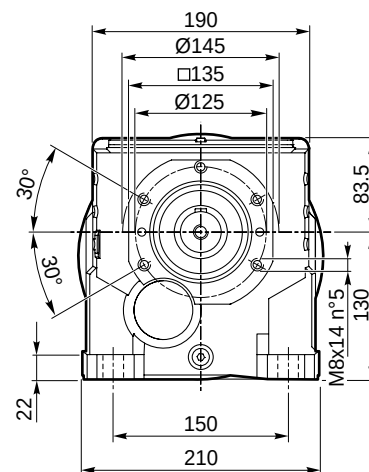
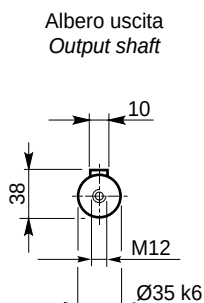
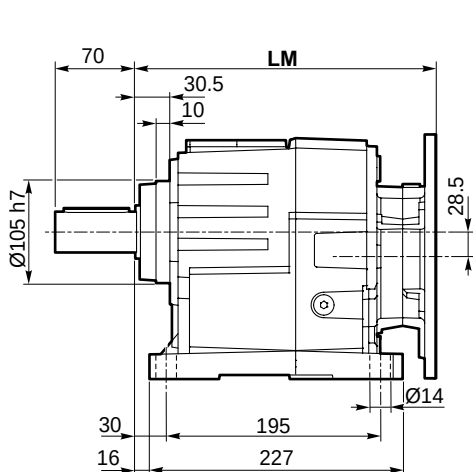


Dimensioni

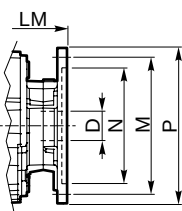
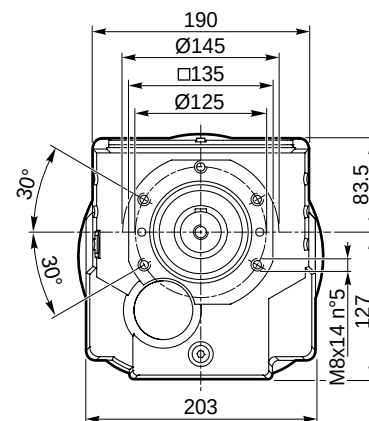
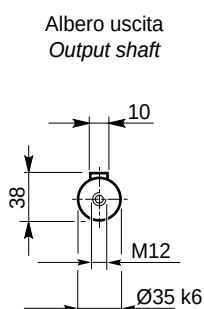
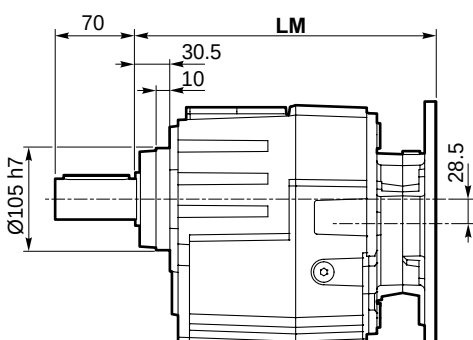
Dimensions

ITH 112 - ITH 113

**ITH 112 U
ITH 113 U**

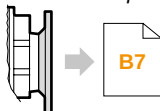


**ITH 112 G
ITH 113 G**

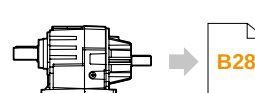


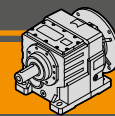
Dimensioni IEC / IEC Dimensions							
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5
LM	289			239,5	293	293,5	314
N	110	130	130	95	180	110	230
M	130	165	165	115	215	130	265
P	160	200	200	130	250	160	300
D	14	19	24		28		38

IEC Motori applicabili
IEC Motor adapters



ITHIS 112...
ITHIS 113...



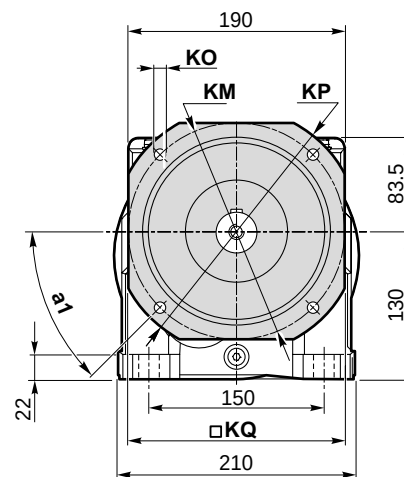
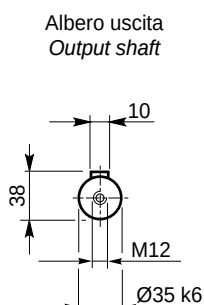
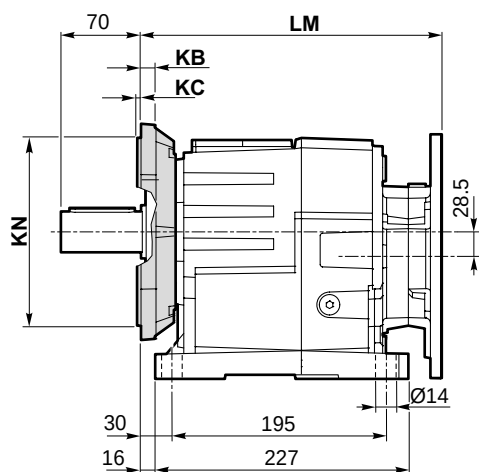


Dimensioni

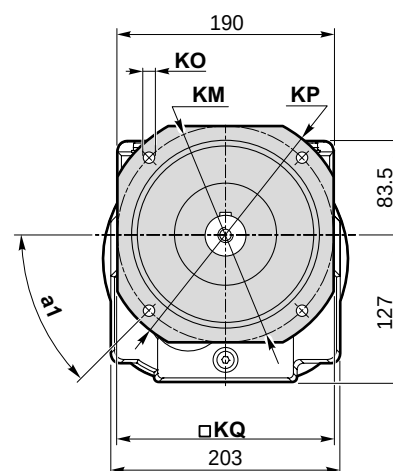
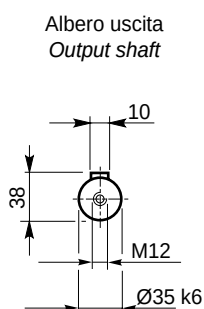
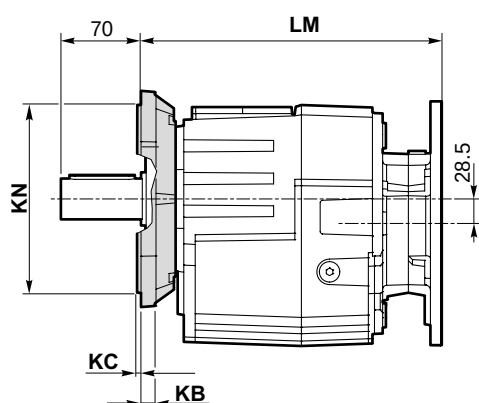
Dimensions

ITH 112 - ITH 113

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



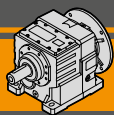
**ITH 112 F...
ITH 113 F...**



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

Peso / Weight [kg]							
ITH	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5
112 U	29.3	30.2	30.2	29.2	32	29.3	35.2
112 G	27.8	28.7	28.7	27.7	30.5	27.8	33.7
113 U	29.8	30.7	30.7	29.7	-	-	-
113 G	28.3	29.2	29.2	28.2	-	-	-

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

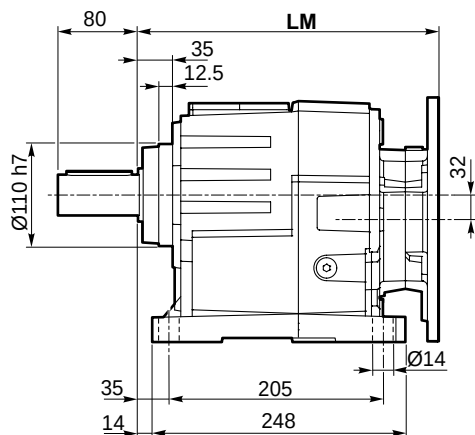


Dimensioni

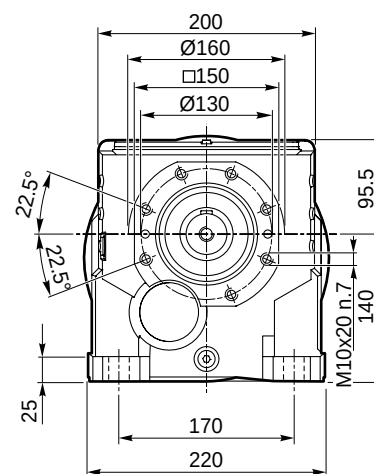
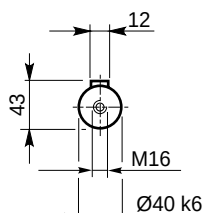
Dimensions

ITH 122 - ITH 123

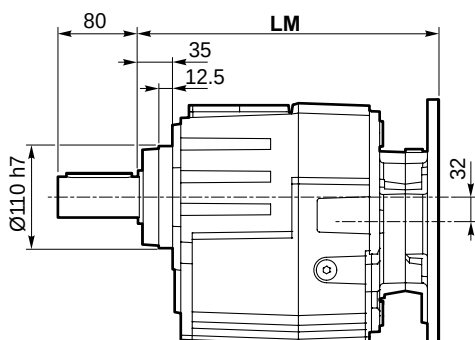
**ITH 122 U
ITH 123 U**



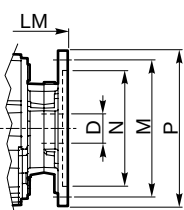
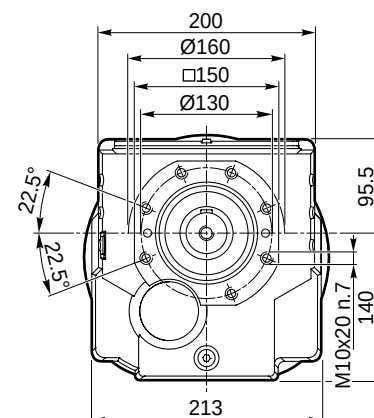
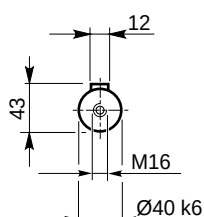
Albero uscita
Output shaft



**ITH 122 G
ITH 123 G**



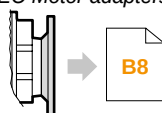
Albero uscita
Output shaft



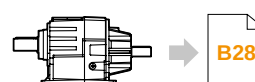
Dimensioni IEC / IEC Dimensions

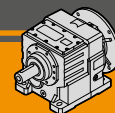
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5
LM		309.5		314	313.5	314	334.5
N	110	130	130	95	180	110	230
M	130	165	165	115	215	130	265
P	160	200	200	140	250	160	300
D	14	19	24		28		38

IEC Motori applicabili
IEC Motor adapters



ITHIS 122...
ITHIS 123...



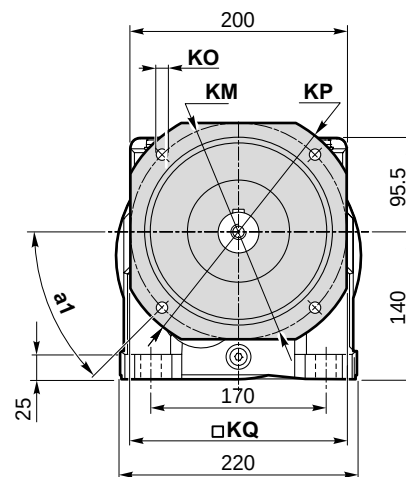
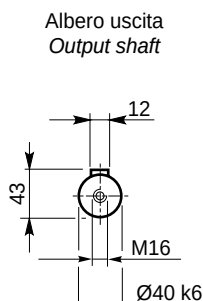
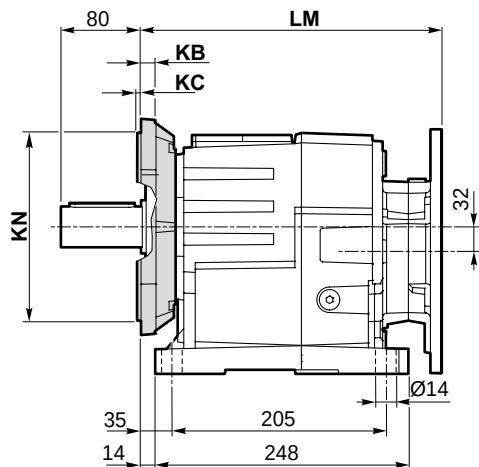


Dimensioni

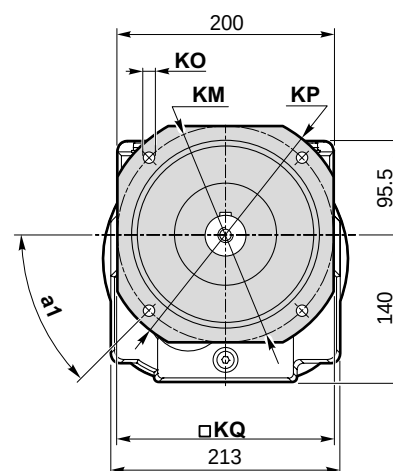
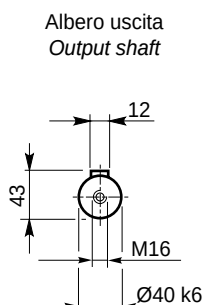
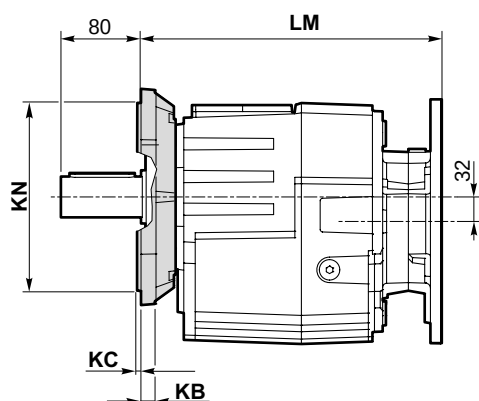
Dimensions

ITH 122- ITH 123

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



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



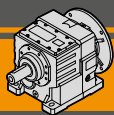
Versione F / F Version

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

Peso / Weight [kg]

ITH	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5
122 U	-	37.8	37.8	36.8	39.6	36.9	42.8
122 G	-	35.8	35.8	34.8	37.6	34.9	40.8
123 U	37.9	38.8	38.8	37.8	40.6	37.9	-
123 G	35.9	36.8	36.8	35.8	38.6	35.9	-

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

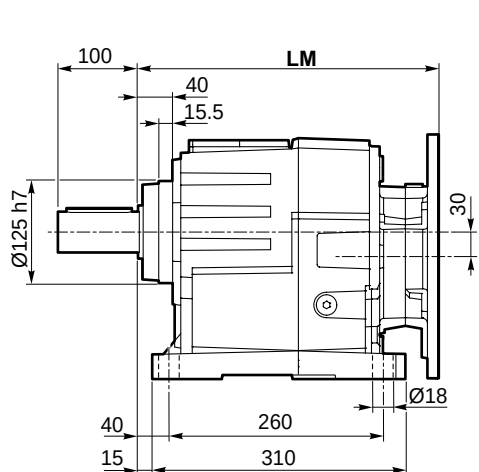


Dimensioni

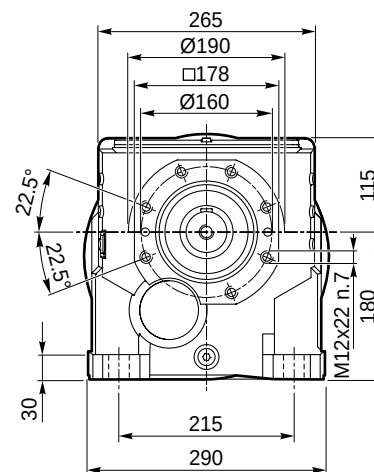
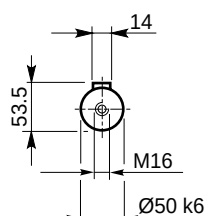
Dimensions

ITH 132 - ITH 133

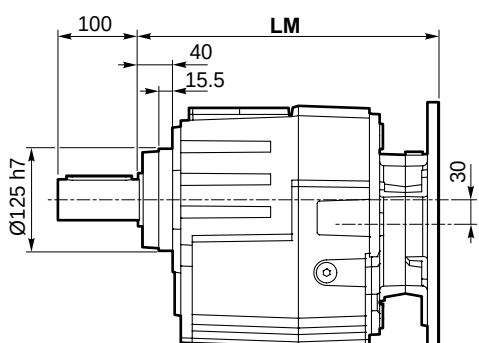
**ITH 132 U
ITH 133 U**



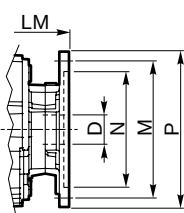
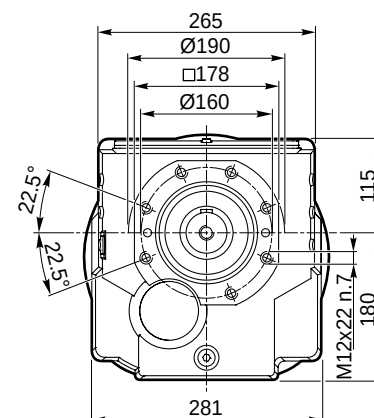
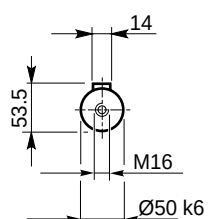
Albero uscita
Output shaft



**ITH 132 G
ITH 133 G**

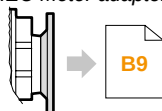


Albero uscita
Output shaft

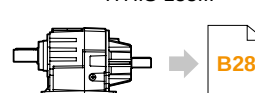


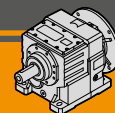
Dimensioni IEC / IEC Dimensions								
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	160 B5	180 B5
LM	340.5		345	344.5	345	365.5	415.5	
N	130		95	180	110	230	250	
M	165		115	215	130	265	300	
P	200		140	250	160	300	350	
D	19	24		28		38	42	48

IEC Motori applicabili
IEC Motor adapters



ITHIS 132...
ITHIS 133...



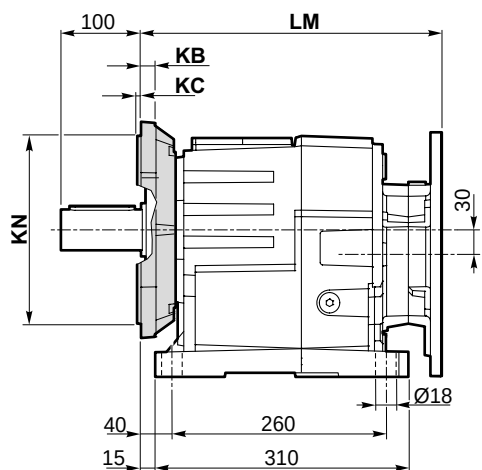


Dimensioni

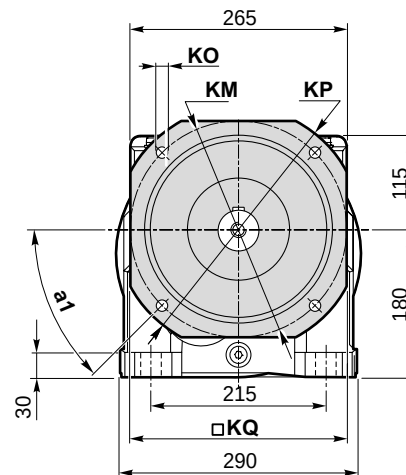
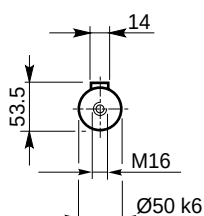
Dimensions

ITH 132- ITH 133

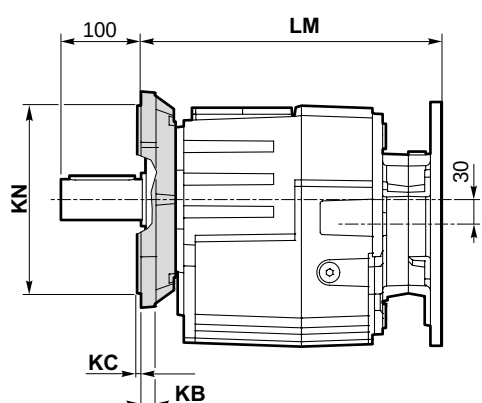
**ITH 132 U/F...
ITH 133 U/F...**



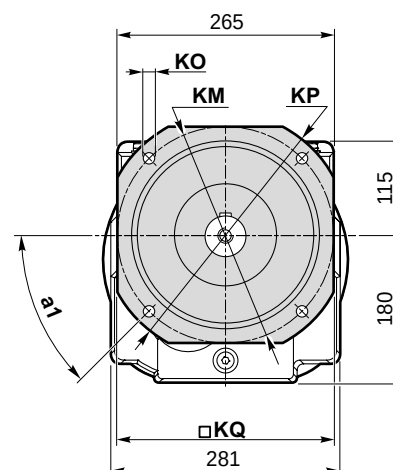
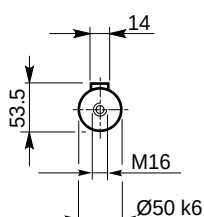
Albero uscita
Output shaft



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



Albero uscita
Output shaft



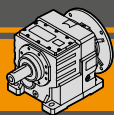
Versione F / F Version

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

Peso / Weight [kg]

ITH	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	160 B5	180 B5
132 U	68.5		67.5	70.3	67.6	73.5	84.5	
132 G	64.5		63.5	66.3	63.6	69.5	80.5	
133 U	70.5		69.5	72.3	69.6	75.5	-	-
133 G	66.5		65.5	68.3	65.6	71.5	-	-

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

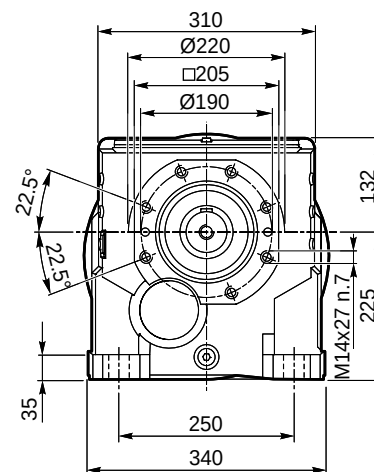
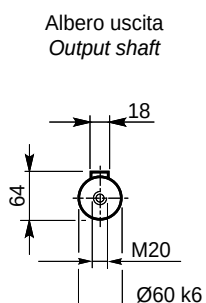
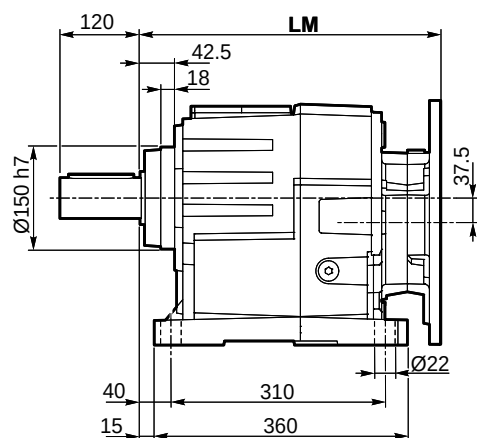


Dimensioni

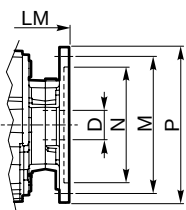
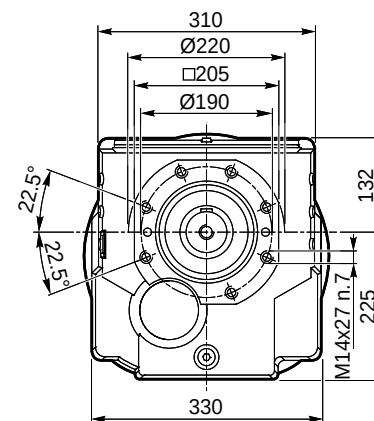
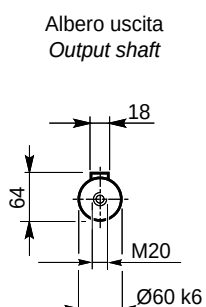
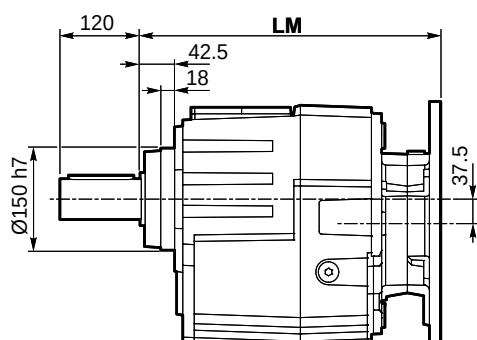
Dimensions

ITH 142 - ITH 143

**ITH 142 U
ITH 143 U**



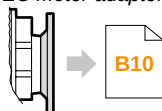
**ITH 142 G
ITH 143 G**



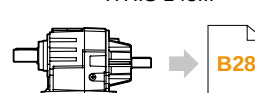
Dimensioni IEC / IEC Dimensions

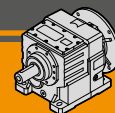
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	160 B5	180 B5	200 B5
LM	373.5		378	377.5	378	398.5	448.5		460.5
N	130		95	180	110	230	250		300
M	165		115	215	130	265	300		350
P	200		140	250	160	300	350		400
D	19	24		28		38	42	48	55

IEC Motori applicabili
IEC Motor adapters



ITHIS 142...
ITHIS 143...



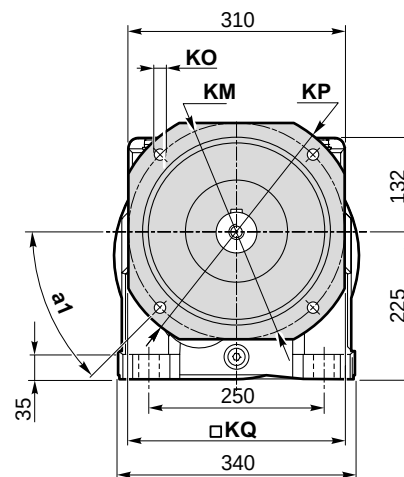
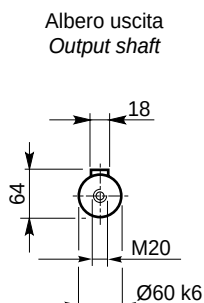
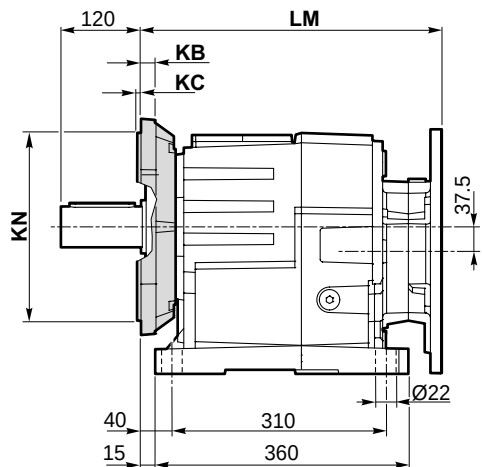


Dimensioni

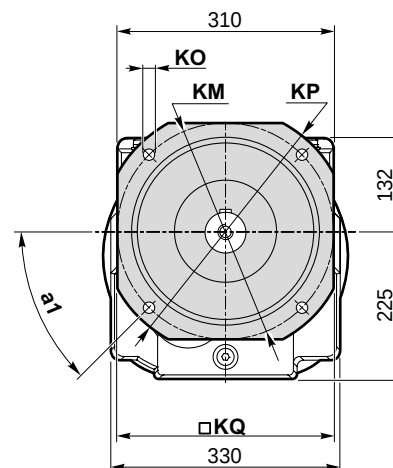
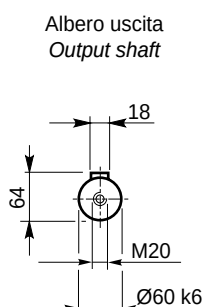
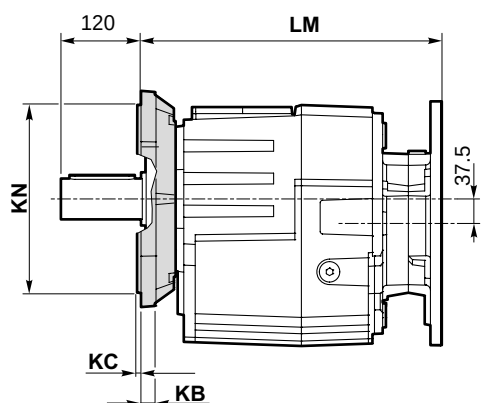
Dimensions

ITH 142- ITH 143

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



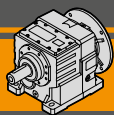
**ITH 142 F...
ITH 143 F...**



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

Peso / Weight [kg]										
ITH	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	160 B5	180 B5	200 B5	
142 U	-	-	-	107.3	104.6	110.5	121.5		131.5	
142 G	-	-	-	101.3	98.6	104.5	115.5		125.5	
143 U	108.5		107.5	110.3	107.6	113.5	-	-	-	
143 G	102.5		101.5	104.3	101.6	107.5	-	-	-	

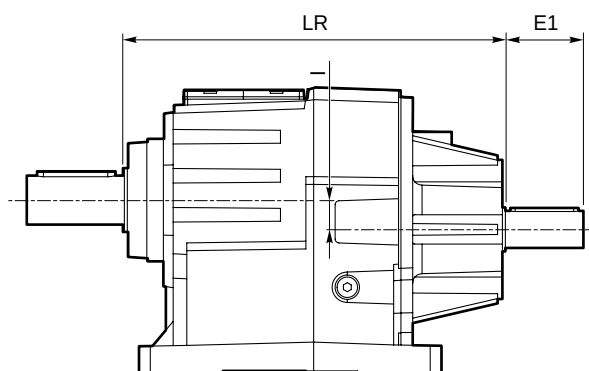
Nota: peso del riduttore complessivo di olio per la posizione M1 (B3)
 Note: weight of the gearbox filled with oil for M1 (B3) assembly position



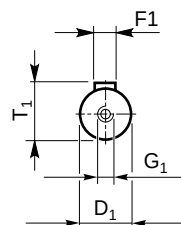
Dimensioni

Dimensions

ITHIS...



Albero entrata
Input shaft



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

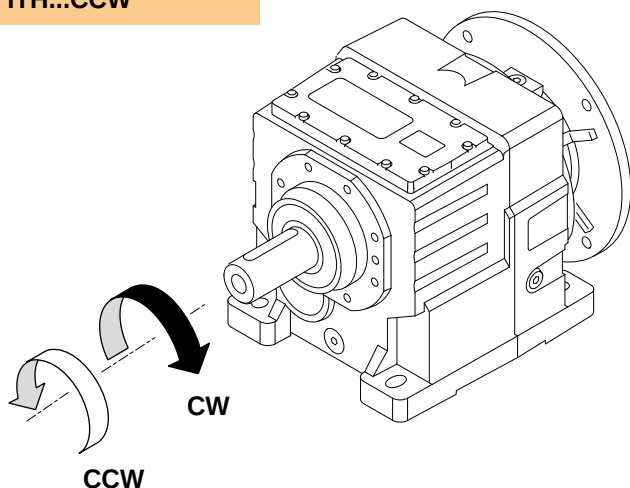
ITHIS	Peso / Weight [kg]
112 U	31
112 G	29.5
113 U	31.4
113 G	29.9
122 U	38.6
122 G	36.6
123 U	39.6
123 G	37.6
132 U	74.9
132 G	70.9
133 U	71.3
133 G	67.3
142 U	112
142 G	106
143 U	109
143 G	103

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.