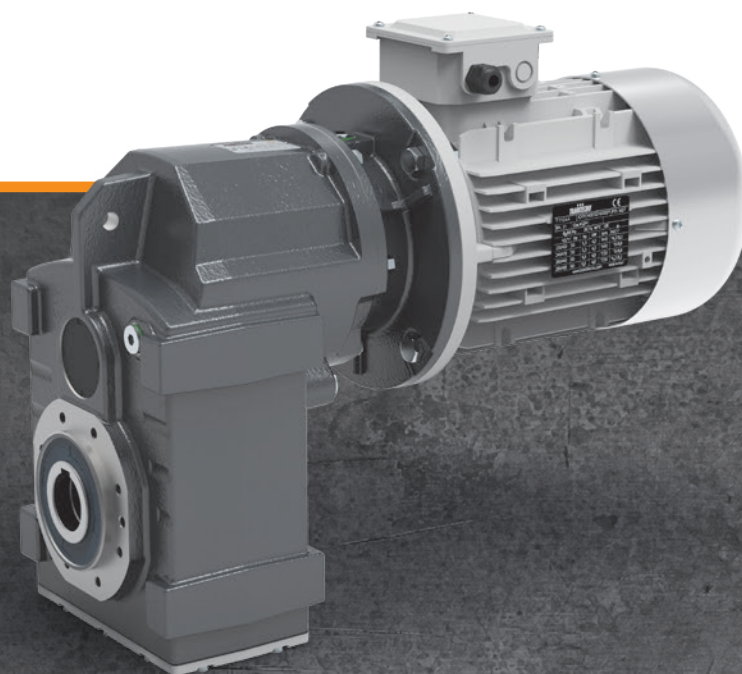


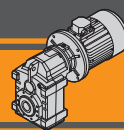
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel: ۰۲۱-۴۸۰۰۰۰۴۹
Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲

Motoriduttori pendolari Helical parallel gearmotors





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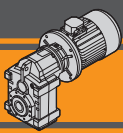
www.famcocorp.com
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@famco_group

Tel: ۰۲۱-۴۸۰۰۰۰۴۹
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Caratteristiche tecniche

I motoriduttori della serie ITS 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:

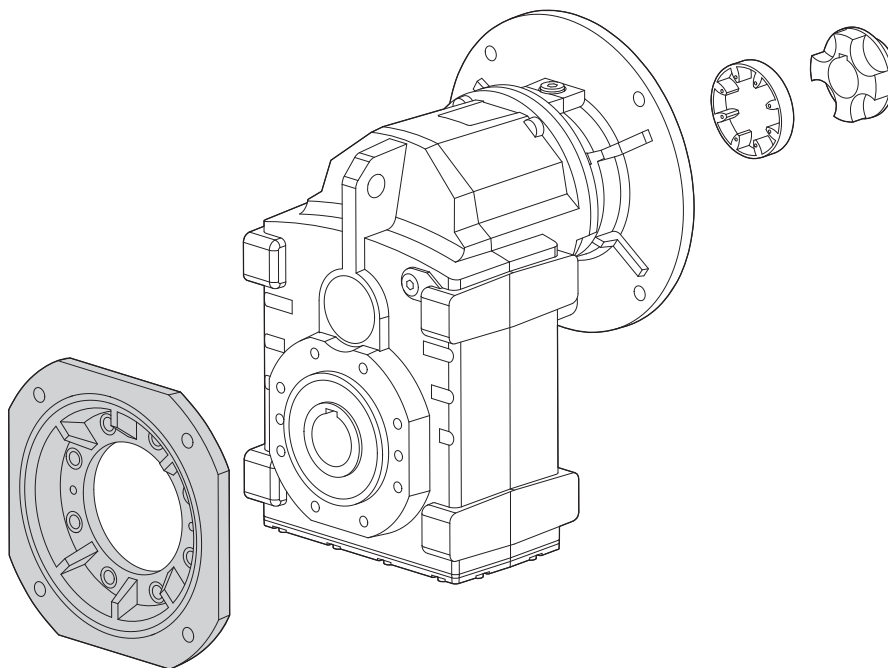
- Costruzione robusta con carcassa in ghisa
- Elevata modularità
- Lubrificazione con olio sintetico
- Accoppiamento al motore tramite giunto elastico o manicotto rigido
- Verniciatura a polvere epossidica RAL 7016 di spessore medio 0,10 – 0,15 mm

Technical features

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

The main features of ITS range are:

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



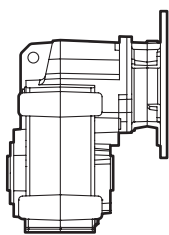
Versioni

Versions

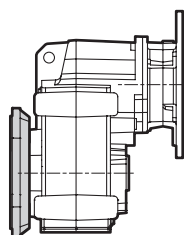
ITS...

Versione Riduttore
Gearbox Version

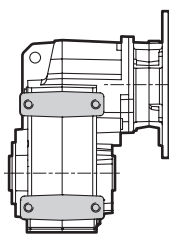
Albero di uscita
Output shaft



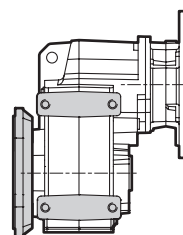
U



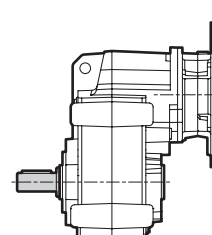
U/F...



P



P/F...

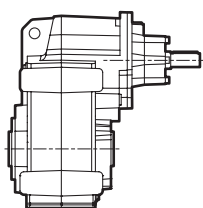


SZ

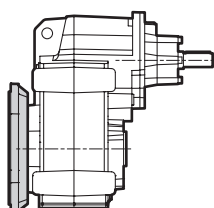
ITSIS...

Versione Riduttore
Gearbox Version

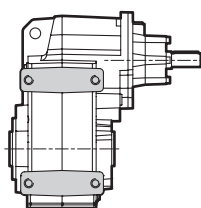
Albero di uscita
Output shaft



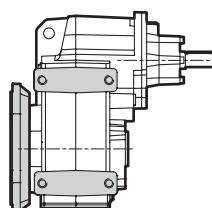
U



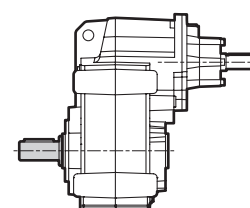
U/F...



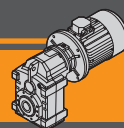
P



P/F...



SZ

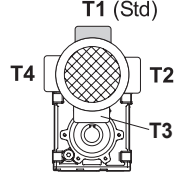


Designazione

Classification

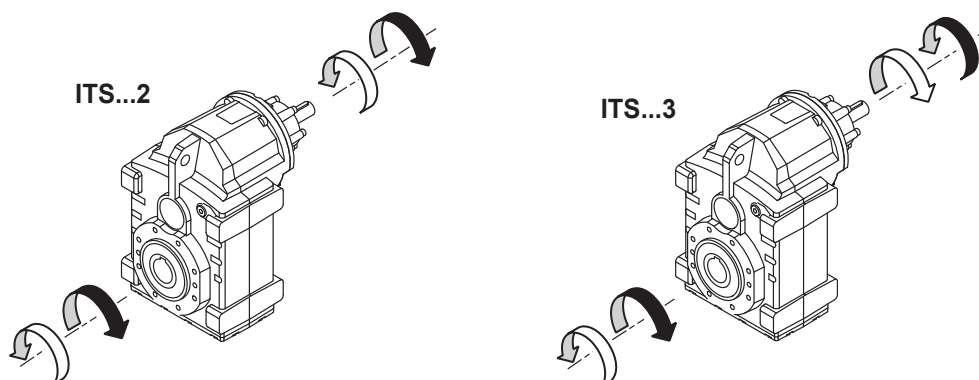
RIDUTTORE / GEARBOX											
ITS	92	2	U	22.92	D40	132	B5	SZ	M1	HS	CW
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	IEC	Forma costruttiva Version	Albero uscita maschio Solid outout shaft	Posizione di montaggio Mounting position	Manicotto rigido Motor sleeve	Dispositivo antiretro Backstop device
ITS 	92 93 94	2 3	U... U/F... P... P/F...	vedi tabelle see tables	D... standard G... calettatore shrink disc	80.. — 180..	 B5 B14	SZ	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)	HS	CW CCW

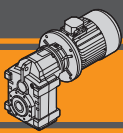
RIDUTTORE / GEARBOX							
ITSIS	92	2	U	22.92	D40	SZ	M1
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	Albero uscita maschio Solid outout shaft	Posizione di montaggio Mounting position
ITSIS 	92 93 94	2 3	U... U/F... P... P/F...	vedi tabelle see tables	D... standard G... calettatore shrink disc	SZ	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

MOTORE / MOTOR					
5,5 kW	4p	3ph	230/400V	50Hz	T1
Potenza Power	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsettiera Terminal box pos.
vedi tabelle see tables	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V	50Hz 60Hz	T1 (Std) 

Sensi di rotazione

Direction of rotation





Simbologia

Symbols

n_1	[min ⁻¹]	Velocità in ingresso / <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>
$R_2 U$	[N]	Carico radiale ammissibile in uscita per la versione "U..." / <i>Permitted output radial load for "U..." version</i>
$R_2 P$	[N]	Carico radiale ammissibile in uscita per la versione "P..." / <i>Permitted output radial load for "P..." version</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>

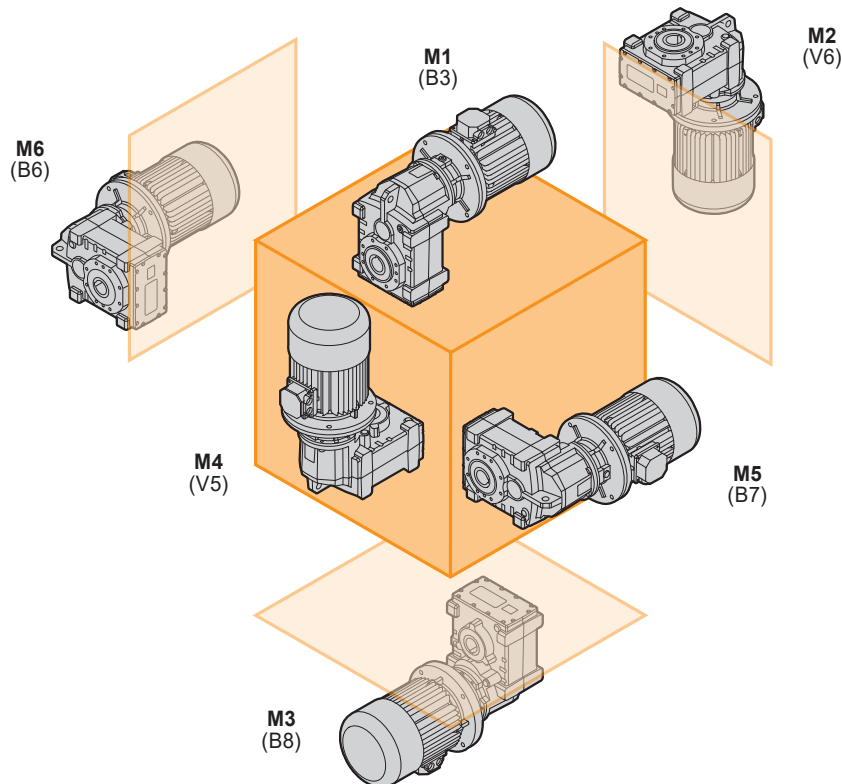
Lubrificazione

Lubrication

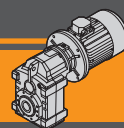
I motoriduttori della serie ITS sono forniti completi di lubrificante sintetico viscosità 320. La quantità di lubrificante dipende dalla posizione di montaggio.

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

ITS..

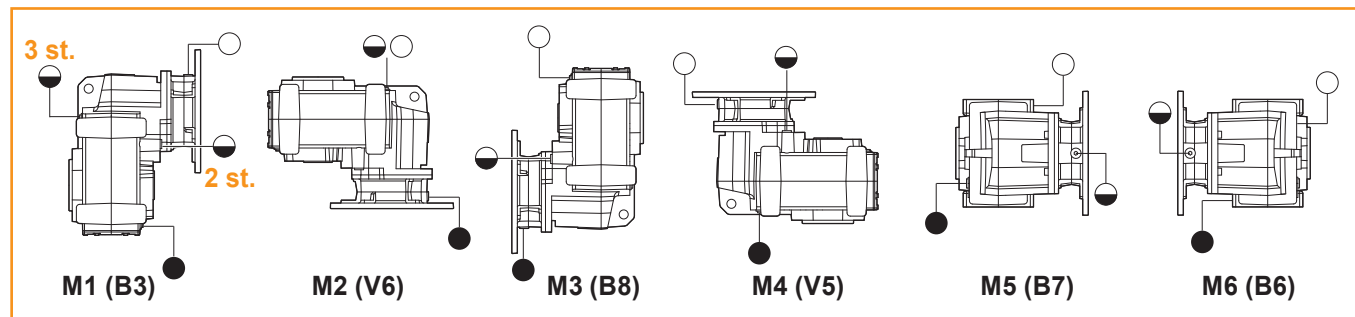


ITS	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
922	3,4	5,2	4,2	6,1	3,7	3,6
923	4,9			5,9		
932	4,7	7,0	4,3	7,7	4,5	4,4
933	6,7			7,5		
942	9,1	14,4	9,1	15,4	9,1	8,9
943	12,0			15,1		



Lubrificazione

Lubrication

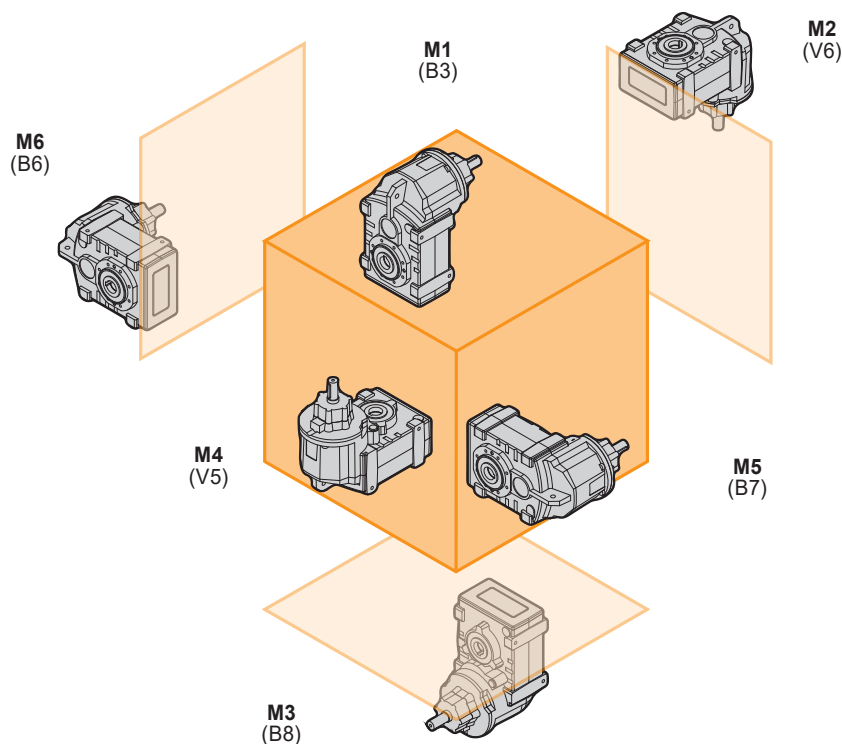


○ Sfiato e tappo di riempimento / Breather and filling plug

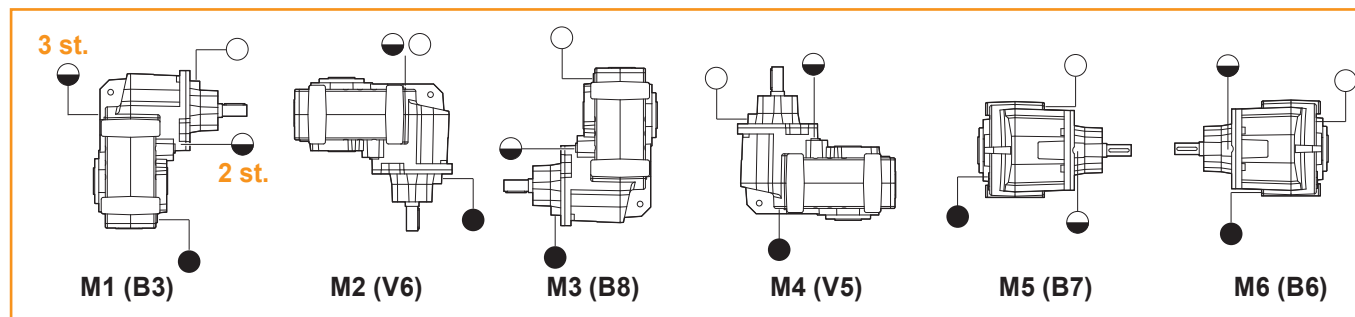
● Tappo di scarico / Oil drain plug

● Livello olio / Oil level plug

ITSIS..



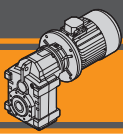
ITSIS	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
922	3,6	5,6	4,4	6,1	3,9	3,8
923	5,1			5,9		
932	4,9	7,4	4,7	7,7	4,7	4,6
933	6,9			7,5		
942	9,3	15,1	9,8	15,4	9,5	9,3
943	12,2	14,8	9,5	15,1	9,3	9,1



○ Sfiato e tappo di riempimento / Breather and filling plug

● Tappo di scarico / Oil drain plug

● Livello olio / Oil level plug



Carichi radiali in entrata

Input Radial loads

ITS 922 ITS 923 - 932 ITS 933 - 943	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	-	-	-

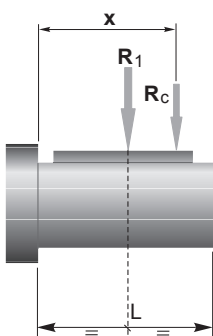
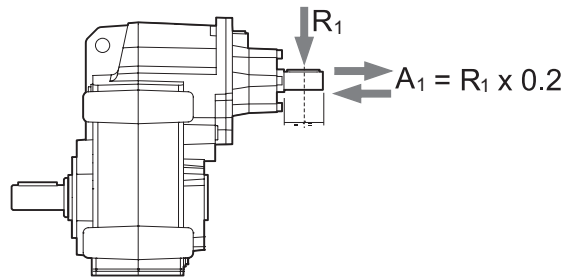
ITS 942	n_1 [min ⁻¹]	Potenza motore/ Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R_1 [N]	1400	3700				2800	1200
	900	4900			3300	650	-
	500	5250	3900	1300	-	-	-

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

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

The radial loads maximum input 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:

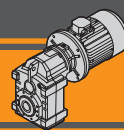


	ITS922	ITS923	ITS932	ITS933	ITS942	ITS943
a	139				157	139
b	110				118	110

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

$$R \leq R_c$$

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

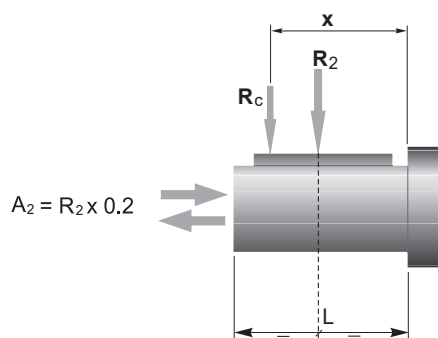


Carichi radiali in uscita

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:

Output radial loads

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:



ITS	922 U... 923 U...	922 P... 923 P...	932 U... 933 U...	932 P... 933 P...	942 U... 943 U...	942 P... 943 P...
a	190	182	224	216	262	252
b	150	142	174	166	202	192
R_{2MAX}	9500	18000	12000	23000	15000	31000

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

$$R \leq R_c$$

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

La versione U utilizza cuscinetti a sfere sull'asse di uscita mentre la versione P utilizza cuscinetti a rulli conici.
E' possibile utilizzare cuscinetti a rulli conici anche sulla versione U a richiesta.

U version has ball bearings on the output side.
P version uses taper roller bearings.
It's possible to have taper roller bearings for U version upon request.



Technical data

	n₂ [min ⁻¹]	Mn₂ [Nm]	Pn₁ [kW]	i	R₂ U [N]	R₂ P [N]		IEC Motori applicabili IEC Motor adapters
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ITSIS 922

248	500	13.50	5.66	2492	9368
198	500	10.82	7.06	2835	10580
167	500	9.13	8.37	3131	11619
153	650	10.87	9.13	3078	11708
134	650	9.51	10.43	3327	12602
116	650	8.24	12.04	3618	13638
104	750	8.48	13.50	3685	14122
90	750	7.39	15.50	3994	15236
79	900	7.72	17.81	4012	15753
64	900	6.32	21.73	4506	17576
61	900	6.00	22.92	4648	18095
59	900	5.78	23.80	4751	18500
53	900	5.16	26.63	5073	18500
48	900	4.70	29.26	5360	18500
44	1000	4.75	32.14	5361	18500
40	1000	4.43	35.19	5652	18500
36	1000	3.96	39.38	6035	18500
32	1000	3.60	43.27	6376	18500
30	1000	3.28	47.50	6733	18500
25	1100	3.07	55.96	6992	18500
23	1100	2.80	61.25	7371	18500
21	1100	2.54	67.50	7800	18500

ITSIS 923

19	1100	2.29	75.00	8295	18500
16	1100	1.99	86.28	9001	18500
15	1100	1.82	94.46	9500	18500
13	1100	1.58	108.48	9500	18500
12	1100	1.44	118.77	9500	18500
9.9	1100	1.22	140.93	9500	18500
9.1	1100	1.11	154.30	9500	18500
8.1	1100	1.00	172.40	9500	18500
7.4	1100	0.91	188.76	9500	18500
6.6	1100	0.81	211.15	9500	18500
5.9	1100	0.72	238.53	9500	18500
5.1	1100	0.63	272.74	9500	18500
4.8	1100	0.59	289.29	9500	18500
4.4	1100	0.54	316.73	9500	18500
4.1	1100	0.50	342.86	9500	18500
3.7	1100	0.46	375.38	9500	18500

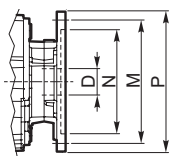
N.B.

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. D11 alla pag. D17.



ITS 922

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

ITS 923

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

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 D11 to D17.

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	



Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	$R_2 U$ [N]	$R_2 P$ [N]		IEC Motori applicabili <i>IEC Motor adapters</i>
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ITSIS 942

177	1500	28.90	7.93	4206	17268
146	1500	23.89	9.59	4701	19178
131	1700	24.34	10.67	4816	19916
118	1700	21.96	11.82	5113	21074
109	2000	23.66	12.91	5070	21422
99	2000	21.49	14.21	5364	22590
88	2400	23.04	15.91	5258	22990
81	2400	21.15	17.33	5527	24097
73	2500	19.96	19.13	5725	25158
60	2500	16.37	23.32	6426	28055
48	2700	14.01	29.42	7022	31000
45	3000	14.61	31.35	6763	31000
35	3000	11.57	39.60	7751	31000
32	2700	9.53	43.25	8792	31000
29	2700	8.60	47.95	9337	31000
26	3200	9.34	53.43	8754	31000
24	3200	8.57	58.22	9203	31000
22	3200	7.73	64.53	9773	31000
20	3000	6.65	70.40	10842	31000
18	3000	6.08	77.00	11424	31000

ITS 942

[illegible]

ITSIS 943

15	3200	5.31	94.05	12175	31000
14	3200	4.99	99.94	12614	31000
13	3200	4.56	109.42	13299	31000
12	3200	4.12	121.00	14102	31000
10	3200	3.71	134.54	15000	31000
9.5	3200	3.38	147.69	15000	31000
8.2	3200	2.94	169.71	15000	31000
7.5	3200	2.69	185.82	15000	31000
6.7	3200	2.40	207.90	15000	31000
6.1	3200	2.18	228.46	15000	31000
5.6	3200	1.99	250.80	15000	31000
4.7	3200	1.69	295.48	15000	31000
4.3	3200	1.54	323.40	15000	31000
3.9	3200	1.40	356.40	15000	31000

ITS 943

80B5	90B5/B14	100B5/B14	112B5/B14	132B5/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. D11 alla pag. D17.

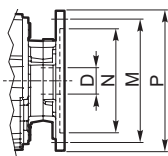
N.B.

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



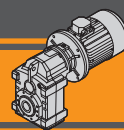
* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page D11 to D17.



Dimensioni IEC / IEC Dimensions

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



Dati tecnici

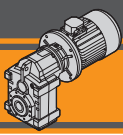
Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
0.25								
71A4 (1400 min ⁻¹)	5.9	382	2.9	238.53	ITS923	B5	9500	18500
	5.1	437	2.5	272.74			9500	18500
	4.8	464	2.4	289.29			9500	18500
	4.4	508	2.2	316.73			9500	18500
	4.1	550	2.0	342.86			9500	18500
	3.7	602	1.8	375.38			9500	18500
	5.4	413	4.1	257.61	ITS933	B5	12000	23000
	4.8	472	3.6	294.56			12000	23000
	4.5	501	3.4	312.43			12000	23000
	4.1	548	3.1	342.07			12000	23000
	3.8	594	2.9	370.29			12000	23000
	3.5	650	2.6	405.42			12000	23000

0.37								
71B4 (1400 min ⁻¹)	5.9	566	1.9	238.53	ITS923	B5	9500	18500
	5.1	647	1.7	272.74			9500	18500
	4.8	686	1.6	289.29			9500	18500
	4.4	751	1.5	316.73			9500	18500
	4.1	813	1.4	342.86			9500	18500
	3.7	891	1.2	375.38			9500	18500
	5.4	611	2.8	257.61	ITS933	B5	12000	23000
	4.8	699	2.4	294.56			12000	23000
	4.5	741	2.3	312.43			12000	23000
	4.1	812	2.1	342.07			12000	23000
	3.8	879	1.9	370.29			12000	23000
	3.5	962	1.8	405.42			12000	23000

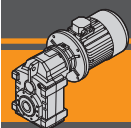
0.55								
80A4 (1400 min ⁻¹)	247	20	25	5.66	ITS922	B5	3016	10554
	198	25	20	7.06			3424	11905
	167	30	17	8.37			3775	13059
	153	33	20	9.13			3969	13693
	134	38	17	10.43			4283	14723
	116	43	15	12.04			4647	15910
	104	49	15	13.50			4958	16920
	90	56	13	15.50			5359	18223
	79	64	14	17.81			5795	18500
	64	78	11	21.73			6474	18500
	61	83	11	22.92			6667	18500
	59	86	11	23.80			6807	18500
	53	96	9.4	26.63			7240	18500
	48	105	8.5	29.26			7623	18500
	44	116	8.6	32.14			8021	18500
	40	124	8.1	35.19			8430	18500
	36	139	7.2	39.38			8951	18500
	32	153	6.6	43.27			9408	18500
	29	168	6.0	47.50			9500	18500
	25	197	5.6	55.96			9500	18500
	23	216	5.1	61.25			9500	18500
	21	238	4.6	67.50			9500	18500

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
0.55								
80A4 (1400 min ⁻¹)	19	265	4.2	75.00	ITS923	B5	9500	18500
	16	304	3.6	86.28			9500	18500
	15	333	3.3	94.46			9500	18500
	13	383	2.9	108.48			9500	18500
	12	419	2.6	118.77			9500	18500
	9.9	497	2.2	140.93			9500	18500
	9.1	544	2.0	154.30			9500	18500
	8.1	608	1.8	172.40			9500	18500
	7.4	666	1.7	188.76			9500	18500
	6.6	745	1.5	211.15			9500	18500
	5.9	841	1.3	238.53			9500	18500
	5.1	962	1.1	272.74			9500	18500
	4.8	1020	1.1	289.29			9500	18500
	4.4	1117	1.0	316.73			9500	18500
	30	165	10.0	46.73	ITS932	B5	10992	23000
	27	181	9.1	51.30			11559	23000
	23	213	7.7	60.44			12000	23000
	21	233	7.1	66.15			12000	23000
	19	257	5.8	72.90			12000	23000
	17	286	6.0	81.00	ITS933	B5	12000	23000
	15	329	5.2	93.18			12000	23000
	14	360	4.7	102.02			12000	23000
	12	413	4.1	117.16			12000	23000
	11	452	3.8	128.28			12000	23000
	9.2	537	3.2	152.21			12000	23000
	8.4	588	2.9	166.65			12000	23000
	7.5	657	2.6	186.19			12000	23000
	6.9	719	2.4	203.86			12000	23000
	6.1	804	2.1	228.05			12000	23000
	5.4	908	1.9	257.61			12000	23000
	4.8	1039	1.6	294.56			12000	23000
	4.5	1102	1.5	312.43			12000	23000
	4.1	1206	1.4	342.07			12000	23000
	3.8	1306	1.3	370.29			12000	23000
	3.5	1430	1.2	405.42			12000	23000
	15	332	9.6	94.05	ITS943	B5	15000	31000
	14	352	9.1	99.94			15000	31000
	13	386	8.3	109.42			15000	31000
	12	427	7.5	121.00			15000	31000
	10	474	6.7	134.54			15000	31000
	9.5	521	6.1	147.69			15000	31000
	8.2	599	5.3	169.71			15000	31000
	7.5	655	4.9	185.82			15000	31000
	6.7	733	4.4	207.90			15000	31000
	6.1	806	4.0	228.46			15000	31000
	5.6	884	3.6	250.80			15000	31000
	4.7	1042	3.1	295.48			15000	31000
	4.3	1141	2.8	323.40			15000	31000
	3.9	1257	2.5	356.40			15000	31000

**ITS****Motoriduttori pendolari**
Helical parallel gearmotors**FAMCO**
هایپر صنعت**Dati tecnici****Technical data**

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
0.75								
80B4 (1400 min ⁻¹)	247	28	18	5.66	ITS922	B5	3008	10535
	198	35	14	7.06		B5	3413	11879
	167	41	12	8.37		B5	3760	13026
	153	45	14	9.13		B5	3951	13655
	134	51	13	10.43		B5	4262	14675
	116	59	11	12.04		B5	4621	15851
	104	66	11	13.50		B5	4926	16850
	90	76	9.9	15.50		B5	5319	18136
	79	87	10	17.81		B5	5745	18500
	64	107	8.4	21.73		B5	6406	18500
	61	113	8.0	22.92		B5	6593	18500
	59	117	7.7	23.80		B5	6728	18500
	53	131	6.9	26.63		B5	7146	18500
	48	144	6.3	29.26		B5	7514	18500
	44	158	6.3	32.14		B5	7895	18500
	40	169	5.9	35.19		B5	8287	18500
	36	189	5.3	39.38	B5	8780	18500	
	32	208	4.8	43.27	B5	9210	18500	
	29	228	4.4	47.50	B5	9500	18500	
	25	269	4.1	55.96	B5	9500	18500	
	23	295	3.7	61.25	B5	9500	18500	
	21	325	3.4	67.50	B5	9500	18500	
	19	361	3.0	75.00	ITS923	B5	9500	18500
	16	415	2.7	86.28		B5	9500	18500
	15	454	2.4	94.46		B5	9500	18500
	13	522	2.1	108.48		B5	9500	18500
	12	571	1.9	118.77		B5	9500	18500
	9.9	678	1.6	140.93		B5	9500	18500
9.1	742	1.5	154.30	B5		9500	18500	
8.1	829	1.3	172.40	B5		9500	18500	
7.4	908	1.2	188.76	B5	9500	18500		
6.6	1015	1.1	211.15	B5	9500	18500		
57	122	9.9	24.75	ITS932	B5	7671	23000	
54	127	11	25.81		B5	7850	23000	
48	142	9.9	28.88		B5	8350	23000	
40	170	9.7	34.71		B5	9229	23000	
37	187	8.8	38.01		B5	9689	23000	
33	205	8.1	42.53		B5	10298	23000	
30	225	7.3	46.73		B5	10823	23000	
27	247	6.7	51.30		B5	11362	23000	
23	291	5.7	60.44	B5	12000	23000		
21	318	5.2	66.15	B5	12000	23000		
19	351	4.3	72.90	B5	12000	23000		
17	390	4.4	81.00	ITS933	B5	12000	23000	
15	448	3.8	93.18		B5	12000	23000	
14	491	3.5	102.02		B5	12000	23000	
12	563	3.0	117.16		B5	12000	23000	
11	617	2.8	128.28		B5	12000	23000	
9.2	732	2.3	152.21		B5	12000	23000	
8.4	801	2.1	166.65		B5	12000	23000	
7.5	895	1.9	186.19		B5	12000	23000	
6.9	980	1.7	203.86		B5	12000	23000	
6.1	1097	1.6	228.05		B5	12000	23000	
5.4	1239	1.4	257.61	B5	12000	23000		
4.8	1417	1.2	294.56	B5	12000	23000		
4.5	1503	1.1	312.43	B5	12000	23000		
4.1	1645	1.0	342.07	B5	12000	23000		
3.8	1781	1.0	370.29	B5	12000	23000		

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
0.75								
80B4 (1400 min ⁻¹)	15	452	7.1	94.05	ITS943	B5	15000	31000
	14	481	6.7	99.94		B5	15000	31000
	13	526	6.1	109.42		B5	15000	31000
	12	582	5.5	121.00		B5	15000	31000
	10	647	4.9	134.54		B5	15000	31000
	9.5	710	4.5	147.69		B5	15000	31000
	8.2	816	3.9	169.71		B5	15000	31000
	7.5	894	3.6	185.82		B5	15000	31000
	6.7	1000	3.2	207.90		B5	15000	31000
	6.1	1099	2.9	228.46		B5	15000	31000
	5.6	1206	2.7	250.80		B5	15000	31000
	4.7	1421	2.3	295.48		B5	15000	31000
	4.3	1555	2.1	323.40		B5	15000	31000
	3.9	1714	1.9	356.40		B5	15000	31000
1.1								
90S4 (1400 min ⁻¹)	247	41	12	5.66	ITS922	B5/B14	2993	10503
	198	51	9.8	7.06		B5/B14	3393	11834
	167	60	8.3	8.37		B5/B14	3734	12967
	153	66	9.9	9.13		B5/B14	3921	13587
	134	75	8.6	10.43		B5/B14	4225	14592
	116	87	7.5	12.04		B5/B14	4574	15748
	104	97	7.7	13.50		B5/B14	4869	16726
	90	112	6.7	15.50		B5/B14	5249	17983
	79	128	7.0	17.81		B5/B14	5658	18500
	64	157	5.7	21.73		B5/B14	6287	18500
	61	165	5.5	22.92		B5/B14	6463	18500
	59	171	5.3	23.80		B5/B14	6591	18500
	53	192	4.7	26.63		B5/B14	6982	18500
	48	211	4.3	29.26		B5/B14	7323	18500
	44	232	4.3	32.14	B5/B14	7673	18500	
	40	248	4.0	35.19	B5/B14	8037	18500	
	36	278	3.6	39.38	B5/B14	8481	18500	
	32	305	3.3	43.27	B5/B14	8862	18500	
	29	335	3.0	47.50	B5/B14	9245	18500	
	25	395	2.8	55.96	B5/B14	9500	18500	
	23	432	2.5	61.25	B5/B14	9500	18500	
	21	476	2.3	67.50	B5/B14	9500	18500	
19	529	2.1	75.00	ITS923	B5/B14	9500	18500	
16	609	1.8	86.28		B5/B14	9500	18500	
15	666	1.7	94.46		B5/B14	9500	18500	
13	765	1.4	108.48		B5/B14	9500	18500	
12	838	1.3	118.77		B5/B14	9500	18500	
9.9	994	1.1	140.93		B5/B14	9500	18500	
9.1	1088	1.0	154.30		B5/B14	9500	18500	
8.1	1216	0.9	172.40		B5/B14	9500	18500	
107	94	9.6	13.06	ITS932	B5/B14	5321	20175	
96	105	8.6	14.58		B5/B14	5658	21394	
83	121	8.3	16.81		B5/B14	6121	23000	
73	139	7.2	19.24		B5/B14	6594	23000	
59	170	7.1	23.57		B5/B14	7365	23000	
57	178	6.7	24.75		B5/B14	7561	23000	
54	186	7.5	25.81		B5/B14	7732	23000	
48	208	6.7	28.88		B5/B14	8209	23000	
40	250	6.6	34.71		B5/B14	9040	23000	
37	274	6.0	38.01		B5/B14	9471	23000	
33	300	5.5	42.53		B5/B14	10042	23000	
30	330	5.0	46.73		B5/B14	10526	23000	
27	362	4.6	51.30		B5/B14	11019	23000	
23	426	3.9	60.44		B5/B14	11913	23000	
21	467	3.5	66.15	B5/B14	12000	23000		
19	514	2.9	72.90	B5/B14	12000	23000		



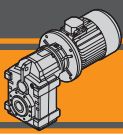
Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
1.1								
90S4 (1400 min ⁻¹)	17	571	3.0	81.00	ITS933	B5/B14	12000	23000
	15	657	2.6	93.18		B5/B14	12000	23000
	14	720	2.4	102.02		B5/B14	12000	23000
	12	826	2.1	117.16		B5/B14	12000	23000
	11	905	1.9	128.28		B5/B14	12000	23000
	9.2	1074	1.6	152.21		B5/B14	12000	23000
	8.4	1175	1.4	166.65		B5/B14	12000	23000
	7.5	1313	1.3	186.19		B5/B14	12000	23000
	6.9	1438	1.2	203.86		B5/B14	12000	23000
	6.1	1608	1.1	228.05		B5/B14	12000	23000
	5.4	1817	0.9	257.61		B5/B14	12000	23000
	32	312	8.7	43.25		B5/B14	13823	31000
	29	345	7.8	47.95		B5/B14	14603	31000
	26	377	8.5	53.43		B5/B14	15000	31000
	24	411	7.8	58.22		B5/B14	15000	31000
	22	455	7.0	64.53		B5/B14	15000	31000
	20	497	6.0	70.40		B5/B14	15000	31000
	18	543	5.5	77.00		B5/B14	15000	31000
	15	663	4.8	94.05	ITS943	B5/B14	15000	31000
	14	705	4.5	99.94		B5/B14	15000	31000
	13	772	4.1	109.42		B5/B14	15000	31000
	12	853	3.7	121.00		B5/B14	15000	31000
	10	949	3.4	134.54		B5/B14	15000	31000
	9.5	1042	3.1	147.69		B5/B14	15000	31000
	8.2	1197	2.7	169.71		B5/B14	15000	31000
	7.5	1311	2.4	185.82		B5/B14	15000	31000
	6.7	1466	2.2	207.90		B5/B14	15000	31000
	6.1	1611	2.0	228.46		B5/B14	15000	31000
	5.6	1769	1.8	250.80		B5/B14	15000	31000
	4.7	2084	1.5	295.48		B5/B14	15000	31000
	4.3	2281	1.4	323.40		B5/B14	15000	31000
	3.9	2514	1.3	356.40		B5/B14	15000	31000

1.5								
90L4 (1400 min ⁻¹)	247	56	9.0	5.66	ITS922	B5/B14	2977	10467
	198	69	7.2	7.06		B5/B14	3370	11782
	167	82	6.1	8.37		B5/B14	3704	12900
	153	90	7.2	9.13		B5/B14	3887	13510
	134	102	6.3	10.43		B5/B14	4182	14498
	116	118	5.5	12.04		B5/B14	4520	15630
	104	133	5.7	13.50		B5/B14	4805	16585
	90	152	4.9	15.50		B5/B14	5169	17808
	79	175	5.1	17.81		B5/B14	5558	18500
	64	213	4.2	21.73		B5/B14	6150	18500
	61	225	4.0	22.92		B5/B14	6315	18500
	59	234	3.9	23.80		B5/B14	6433	18500
	53	262	3.4	26.63		B5/B14	6794	18500
	48	287	3.1	29.26		B5/B14	7104	18500
	44	316	3.2	32.14		B5/B14	7420	18500
	40	338	3.0	35.19		B5/B14	7750	18500
	36	379	2.6	39.38		B5/B14	8139	18500
	32	416	2.4	43.27		B5/B14	8465	18500
	29	457	2.2	47.50		B5/B14	8785	18500
	25	538	2.0	55.96		B5/B14	9328	18500
	23	589	1.9	61.25		B5/B14	9500	18500
	21	649	1.7	67.50		B5/B14	9500	18500
	19	721	1.5	75.00	ITS923	B5/B14	9500	18500
	16	830	1.3	86.28		B5/B14	9500	18500
	15	909	1.2	94.46		B5/B14	9500	18500
	13	1043	1.1	108.48		B5/B14	9500	18500
	12	1142	1.0	118.77		B5/B14	9500	18500
						B5/B14	9500	18500

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
1.5								
90L4 (1400 min ⁻¹)	155	89	9.6	9.03	ITS932	B5/B14	4297	16485
	141	97	9.3	9.90		B5/B14	4523	17311
	124	111	8.1	11.27		B5/B14	4861	18549
	107	128	7.0	13.06		B5/B14	5275	20059
	96	143	6.3	14.58		B5/B14	5603	21257
	83	165	6.1	16.81		B5/B14	6053	22900
	73	189	5.3	19.24		B5/B14	6509	23000
	59	232	5.2	23.57		B5/B14	7248	23000
	57	243	4.9	24.75		B5/B14	7434	23000
	54	254	5.5	25.81		B5/B14	7597	23000
	48	284	4.9	28.88		B5/B14	8047	23000
	40	341	4.8	34.71		B5/B14	8824	23000
	37	373	4.4	38.01		B5/B14	9222	23000
	33	409	4.0	42.53		B5/B14	9751	23000
	30	449	3.7	46.73		B5/B14	10188	23000
	27	493	3.3	51.30		B5/B14	10626	23000
	23	581	2.8	60.44		B5/B14	11404	23000
	21	636	2.6	66.15		B5/B14	11831	23000
	19	701	2.1	72.90		B5/B14	12000	23000
	17	779	2.2	81.00	ITS933	B5/B14	12000	23000
	15	896	1.9	93.18		B5/B14	12000	23000
	14	981	1.7	102.02		B5/B14	12000	23000
	12	1127	1.5	117.16		B5/B14	12000	23000
	11	1234	1.4	128.28		B5/B14	12000	23000
	9.2	1464	1.2	152.21		B5/B14	12000	23000
	8.4	1603	1.1	166.65		B5/B14	12000	23000
	7.5	1791	0.9	186.19		B5/B14	12000	23000
	48	289	9.3	29.42		B5/B14	11078	31000
	45	308	9.7	31.35		B5/B14	11463	31000
	35	389	7.7	39.60		B5/B14	12974	31000
	32	425	6.4	43.25		B5/B14	13584	31000
	29	471	5.7	47.95		B5/B14	14322	31000
	26	514	6.2	53.43		B5/B14	15000	31000
	24	560	5.7	58.22		B5/B14	15000	31000
	22	621	5.2	64.53		B5/B14	15000	31000
	20	677	4.4	70.40		B5/B14	15000	31000
	18	741	4.1	77.00		B5/B14	15000	31000
	15	905	3.5	94.05	ITS943	B5/B14	15000	31000
	14	961	3.3	99.94		B5/B14	15000	31000
	13	1052	3.0	109.42		B5/B14	15000	31000
	12	1164	2.7	121.00		B5/B14	15000	31000
	10	1294	2.5	134.54		B5/B14	15000	31000
	9.5	1421	2.3	147.69		B5/B14	15000	31000
	8.2	1632	2.0	169.71		B5/B14	15000	31000
	7.5	1787	1.8	185.82		B5/B14	15000	31000
	6.7	2000	1.6	207.90		B5/B14	15000	31000
	6.1	2197	1.5	228.46		B5/B14	15000	31000
	5.6	2412	1.3	250.80		B5/B14	15000	31000
	4.7	2842	1.1	295.48		B5/B14	15000	31000
	4.3	3111	1.0	323.40		B5/B14	15000	31000

**ITS****Motoriduttori pendolari**
Helical parallel gearmotors**FAMCO**
هایپر صنعت**Dati tecnici****Technical data**

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
1.85								
90LB4 (1400 min ⁻¹)	247	69	7.3	5.66	ITS922	B5/B14	2963	10435
	198	85	5.8	7.06		B5/B14	3350	11737
	167	101	4.9	8.37		B5/B14	3678	12841
	153	111	5.9	9.13		B5/B14	3856	13443
	134	126	5.1	10.43		B5/B14	4145	14415
	116	146	4.5	12.04		B5/B14	4473	15526
	104	164	4.6	13.50		B5/B14	4749	16462
	90	188	4.0	15.50		B5/B14	5099	17656
	79	216	4.2	17.81		B5/B14	5471	18500
	64	263	3.4	21.73		B5/B14	6031	18500
	61	278	3.2	22.92		B5/B14	6185	18500
	59	288	3.1	23.80		B5/B14	6295	18500
	53	323	2.8	26.63		B5/B14	6629	18500
	48	354	2.5	29.26		B5/B14	6913	18500
	44	389	2.6	32.14		B5/B14	7198	18500
	40	417	2.4	35.19		B5/B14	7500	18500
	36	467	2.1	39.38		B5/B14	7840	18500
	32	513	1.9	43.27		B5/B14	8118	18500
	29	563	1.8	47.50		B5/B14	8382	18500
	25	664	1.7	55.96		B5/B14	8806	18500
	23	727	1.5	61.25		B5/B14	9007	18500
	21	801	1.4	67.50		B5/B14	9189	18500
	19	890	1.2	75.00	ITS923	B5/B14	9332	18500
	16	1023	1.1	86.28		B5/B14	9411	18500
	15	1121	1.0	94.46		B5/B14	9374	18500
	183	93	9.2	7.65	ITS932	B5/B14	3896	15035
	155	109	7.8	9.03		B5/B14	4275	16428
	141	120	7.5	9.90		B5/B14	4497	17246
	124	137	6.6	11.27		B5/B14	4830	18469
	107	158	5.7	13.06		B5/B14	5235	19958
	96	177	5.1	14.58		B5/B14	5555	21137
	83	204	4.9	16.81		B5/B14	5993	22751
	73	233	4.3	19.24		B5/B14	6435	23000
	59	286	4.2	23.57		B5/B14	7145	23000
	57	300	4.0	24.75		B5/B14	7324	23000
	54	313	4.5	25.81		B5/B14	7479	23000
	48	350	4.0	28.88		B5/B14	7906	23000
	40	421	3.9	34.71		B5/B14	8635	23000
	37	460	3.6	38.01		B5/B14	9004	23000
	33	504	3.3	42.53		B5/B14	9495	23000
	30	554	3.0	46.73		B5/B14	9891	23000
	27	609	2.7	51.30		B5/B14	10283	23000
	23	717	2.3	60.44		B5/B14	10959	23000
	21	785	2.1	66.15		B5/B14	11317	23000
	19	865	1.7	72.90		B5/B14	11684	23000
	17	961	1.8	81.00	ITS933	B5/B14	12000	23000
	15	1105	1.5	93.18		B5/B14	12000	23000
	14	1210	1.4	102.02		B5/B14	12000	23000
	12	1390	1.2	117.16		B5/B14	12000	23000
	11	1522	1.1	128.28		B5/B14	12000	23000
	9.2	1806	0.9	152.21		B5/B14	12000	23000
	60	283	8.8	23.32	ITS942	B5/B14	9683	31000
	48	356	7.6	29.42		B5/B14	10965	31000
	45	380	7.9	31.35		B5/B14	11337	31000
	35	480	6.3	39.60		B5/B14	12793	31000
	32	524	5.2	43.25		B5/B14	13375	31000
	29	581	4.6	47.95		B5/B14	14077	31000
	26	634	5.0	53.43		B5/B14	14868	31000
	24	691	4.6	58.22		B5/B14	15000	31000
	22	766	4.2	64.53		B5/B14	15000	31000
	20	835	3.6	70.40		B5/B14	15000	31000
	18	913	3.3	77.00		B5/B14	15000	31000

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
1.85								
90LB4 (1400 min ⁻¹)	15	1116	2.9	94.05	ITS943	B5/B14	15000	31000
	14	1186	2.7	99.94		B5/B14	15000	31000
	13	1298	2.5	109.42		B5/B14	15000	31000
	12	1435	2.2	121.00		B5/B14	15000	31000
	10	1596	2.0	134.54		B5/B14	15000	31000
	9.5	1752	1.8	147.69		B5/B14	15000	31000
	8.2	2013	1.6	169.71		B5/B14	15000	31000
	7.5	2204	1.5	185.82		B5/B14	15000	31000
	6.7	2466	1.3	207.90		B5/B14	15000	31000
	6.1	2710	1.2	228.46		B5/B14	15000	31000
	5.6	2975	1.1	250.80		B5/B14	15000	31000
2.2								
100LA4 (1400 min ⁻¹)	247	81	6.1	5.66	ITS922	B5/B14	2949	10402
	198	102	4.9	7.06		B5/B14	3330	11692
	167	121	4.1	8.37		B5/B14	3651	12782
	153	132	4.9	9.13		B5/B14	3826	13376
	134	150	4.3	10.43		B5/B14	4107	14332
	116	174	3.7	12.04		B5/B14	4427	15423
	104	194	3.9	13.50		B5/B14	4693	16338
	90	223	3.4	15.50		B5/B14	5030	17503
	79	257	3.5	17.81		B5/B14	5384	18500
	64	313	2.9	21.73		B5/B14	5912	18500
	61	330	2.7	22.92		B5/B14	6055	18500
	59	343	2.6	23.80		B5/B14	6158	18500
	53	384	2.3	26.63		B5/B14	6465	18500
	48	422	2.1	29.26		B5/B14	6722	18500
	44	463	2.2	32.14		B5/B14	6976	18500
	40	496	2.0	35.19		B5/B14	7249	18500
	36	555	1.8	39.38		B5/B14	7540	18500
	32	610	1.6	43.27		B5/B14	7770	18500
	29	670	1.5	47.50		B5/B14	7979	18500
	25	789	1.4	55.96		B5/B14	8284	18500
	23	864	1.3	61.25		B5/B14	8405	18500
	21	952	1.2	67.50		B5/B14	8486	18500
	19	1058	1.0	75.00	ITS923	B5/B14	8502	18500
	228	88	9.6	6.13		B5/B14	3429	13323
	183	110	7.7	7.65	ITS932	B5/B14	3879	14991
	155	130	6.5	9.03		B5/B14	4252	16371
	141	143	6.3	9.90		B5/B14	4471	17180
	124	162	5.5	11.27		B5/B14	4798	18388
	107	188	4.8	13.06		B5/B14	5194	19857
	96	210	4.3	14.58		B5/B14	5507	21017
	83	242	4.1	16.81		B5/B14	5933	22601
	73	277	3.6	19.24		B5/B14	6361	23000
	59	340	3.5	23.57		B5/B14	7043	23000
	57	357	3.4	24.75		B5/B14	7213	23000
	54	372	3.8	25.81		B5/B14	7361	23000
	48	416	3.4	28.88		B5/B14	7765	23000
	40	500	3.3	34.71		B5/B14	8446	23000
	37	548	3.0	38.01		B5/B14	8785	23000
	33	600	2.8	42.53		B5/B14	9240	23000
	30	659	2.5	46.73		B5/B14	9595	23000
	27	724	2.3	51.30		B5/B14	9939	23000
	23	853	1.9	60.44		B5/B14	10514	23000
	21	933	1.8	66.15		B5/B14	10804	23000
	19	1028	1.5	72.90		B5/B14	11085	23000
	17	1143	1.5	81.00	ITS933	B5/B14	11343	23000
	15	1314	1.3	93.18		B5/B14	11582	23000
	14	1439	1.2	102.02		B5/B14	11655	23000
	12	1653	1.0	117.16		B5/B14	11604	23000
	11	1810	0.9	128.28		B5/B14	11435	23000

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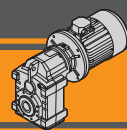
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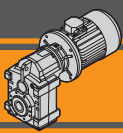
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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
2.2								
100LA4 (1400 min ⁻¹)	98	205	9.8	14.21	ITS942	B5/B14	7340	26991
	88	229	10	15.91		B5/B14	7809	28652
	81	250	9.6	17.33		B5/B14	8183	29976
	73	276	9.1	19.13		B5/B14	8636	31000
	60	336	7.4	23.32		B5/B14	9604	31000
	48	424	6.4	29.42		B5/B14	10851	31000
	45	452	6.6	31.35		B5/B14	11212	31000
	35	571	5.3	39.60		B5/B14	12611	31000
	32	623	4.3	43.25		B5/B14	13167	31000
	29	691	3.9	47.95		B5/B14	13831	31000
	26	754	4.2	53.43		B5/B14	14582	31000
	24	821	3.9	58.22		B5/B14	15000	31000
	22	910	3.5	64.53		B5/B14	15000	31000
	20	993	3.0	70.40		B5/B14	15000	31000
	18	1086	2.8	77.00		B5/B14	15000	31000
	15	1327	2.4	94.05	ITS943	B5/B14	15000	31000
	14	1410	2.3	99.94		B5/B14	15000	31000
	13	1544	2.1	109.42		B5/B14	15000	31000
	12	1707	1.9	121.00		B5/B14	15000	31000
	10	1898	1.7	134.54		B5/B14	15000	31000
	9.5	2083	1.5	147.69		B5/B14	15000	31000
	8.2	2394	1.3	169.71		B5/B14	15000	31000
	7.5	2621	1.2	185.82		B5/B14	15000	31000
	6.7	2933	1.1	207.90		B5/B14	15000	31000
	6.1	3223	1.0	228.46		B5/B14	15000	31000

3.0								
100LB4 (1400 min ⁻¹)	247	111	4.5	5.66	ITS922	B5/B14	2916	10329
	198	139	3.6	7.06		B5/B14	3284	11589
	167	164	3.0	8.37		B5/B14	3591	12648
	153	179	3.6	9.13		B5/B14	3757	13222
	134	205	3.2	10.43		B5/B14	4022	14143
	116	237	2.7	12.04		B5/B14	4319	15186
	104	265	2.8	13.50		B5/B14	4565	16056
	90	304	2.5	15.50		B5/B14	4870	17153
	79	350	2.6	17.81		B5/B14	5185	18309
	64	427	2.1	21.73		B5/B14	5639	18500
	61	450	2.0	22.92		B5/B14	5759	18500
	59	468	1.9	23.80		B5/B14	5843	18500
	53	523	1.7	26.63		B5/B14	6089	18500
	48	575	1.6	29.26		B5/B14	6286	18500
	44	631	1.6	32.14		B5/B14	6470	18500
	40	677	1.5	35.19		B5/B14	6677	18500
	36	757	1.3	39.38		B5/B14	6856	18500
	32	832	1.2	43.27		B5/B14	6976	18500
	29	914	1.1	47.50		B5/B14	7059	18500
	25	1077	1.0	55.96		B5/B14	7090	18500

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
3.0								
100LB4 (1400 min ⁻¹)	228	121	7.1	6.13	ITS932	B5/B14	3401	13251
	183	150	5.7	7.65		B5/B14	3840	14890
	155	177	4.8	9.03		B5/B14	4201	16240
	141	194	4.6	9.90		B5/B14	4412	17029
	124	221	4.1	11.27		B5/B14	4725	18204
	107	257	3.5	13.06		B5/B14	5103	19626
	96	286	3.1	14.58		B5/B14	5398	20743
	83	330	3.0	16.81		B5/B14	5796	22260
	73	378	2.6	19.24		B5/B14	6191	23000
	59	463	2.6	23.57		B5/B14	6809	23000
	57	486	2.5	24.75		B5/B14	6960	23000
	54	507	2.8	25.81		B5/B14	7091	23000
	48	567	2.5	28.88		B5/B14	7442	23000
	40	682	2.4	34.71		B5/B14	8014	23000
	37	747	2.2	38.01		B5/B14	8287	23000
	33	818	2.0	42.53		B5/B14	8657	23000
	30	899	1.8	46.73		B5/B14	8918	23000
	27	987	1.7	51.30		B5/B14	9154	23000
	23	1163	1.4	60.44		B5/B14	9496	23000
	21	1272	1.3	66.15		B5/B14	9629	23000
	19	1402	1.1	72.90		B5/B14	9715	23000
	17	1558	1.1	81.00	ITS933	B5/B14	9724	23000
	15	1792	0.9	93.18		B5/B14	9562	23000
	98	279	7.2	14.21	ITS942	B5/B14	7258	26808
	88	313	7.7	15.91		B5/B14	7711	28435
	81	340	7.1	17.33		B5/B14	8071	29728
	73	376	6.7	19.13		B5/B14	8504	31000
	60	458	5.5	23.32		B5/B14	9425	31000
	48	578	4.7	29.42		B5/B14	10592	31000
	45	616	4.9	31.35		B5/B14	10925	31000
	35	778	3.9	39.60		B5/B14	12196	31000
	32	850	3.2	43.25		B5/B14	12689	31000
	29	942	2.9	47.95		B5/B14	13269	31000
	26	1028	3.1	53.43		B5/B14	13929	31000
	24	1120	2.9	58.22		B5/B14	14413	31000
	22	1241	2.6	64.53		B5/B14	14983	31000
	20	1354	2.2	70.40		B5/B14	15000	31000
	18	1481	2.0	77.00		B5/B14	15000	31000
	15	1809	1.8	94.05	ITS943	B5/B14	15000	31000
	14	1923	1.7	99.94		B5/B14	15000	31000
	13	2105	1.5	109.42		B5/B14	15000	31000
	12	2328	1.4	121.00		B5/B14	15000	31000
	10	2588	1.2	134.54		B5/B14	15000	31000
	9.5	2841	1.1	147.69		B5/B14	15000	31000
	8.2	3265	1.0	169.71		B5/B14	15000	31000



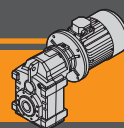
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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
4.0									5.5								
112M4 (1400 min ⁻¹)	247	148	3.4	5.66	ITS922	B5/B14	2876	10238	132S4 (1400 min ⁻¹)	247	204	2.5	5.66	ITS922	B5/B14	2815	10100
	198	185	2.7	7.06			3226	11460		198	254	2.0	7.06			3140	11266
	167	219	2.3	8.37			3516	12480		167	301	1.7	8.37			3403	12228
	153	239	2.7	9.13			3671	13030		153	329	2.0	9.13			3541	12741
	134	273	2.4	10.43			3915	13906		134	376	1.7	10.43			3755	13552
	116	316	2.1	12.04			4186	14891		116	434	1.5	12.04			3985	14448
	104	354	2.1	13.50			4404	15704		104	486	1.5	13.50			4164	15174
	90	406	1.8	15.50			4671	16717		90	558	1.3	15.50			4371	16061
	79	467	1.9	17.81			4937	17767		79	642	1.4	17.81			4564	16953
	64	569	1.6	21.73			5298	18500		64	783	1.1	21.73			4787	18183
	61	600	1.5	22.92			5388	18500		61	825	1.1	22.92			4832	18494
	59	623	1.4	23.80			5450	18500		59	857	1.1	23.80			4859	18500
	53	697	1.3	26.63			5619	18500						ITS932	B5/B14	3314	13027
	48	766	1.2	29.26			5740	18500		228	221	3.8	6.13			3717	14575
	44	842	1.2	32.14			5836	18500		183	276	3.1	7.65			4041	15833
	40	903	1.1	35.19			5961	18500		155	325	2.6	9.03			4226	16559
	36	1010	1.0	39.38			6001	18500		141	357	2.5	9.90			4498	17630
	32	1110	0.9	43.27			5983	18500		124	406	2.2	11.27			4815	18904
					ITS932	B5/B14	3366	13162		107	470	1.9	13.06			5056	19886
	228	161	5.3	6.13			3790	14764		96	525	1.7	14.58			5368	21192
	183	200	4.2	7.65			4137	16077		83	605	1.7	16.81			5661	22462
	155	237	3.6	9.03			4338	16841		73	693	1.4	19.24			6077	23000
	141	259	3.5	9.90			4634	17974		59	849	1.4	23.57			6170	23000
	124	295	3.0	11.27			4988	19337		57	891	1.3	24.75			6246	23000
	107	342	2.6	13.06			5261	20400		54	930	1.5	25.81			6433	23000
	96	382	2.4	14.58			5625	21833		48	1040	1.3	28.88			6663	23000
	83	440	2.3	16.81			5979	23000		40	1250	1.3	34.71			6728	23000
	73	504	2.0	19.24			6516	23000		37	1369	1.2	38.01			6834	23000
	59	617	1.9	23.57			6644	23000		33	1500	1.1	42.53			6801	23000
	57	648	1.9	24.75			6753	23000		30	1648	1.0	46.73			6701	23000
	54	676	2.1	25.81			7039	23000		27	1809	0.9	51.30	ITS942	B5/B14	5157	19427
	48	756	1.9	28.88			7474	23000		177	285	5.3	7.93			5711	21458
	40	909	1.8	34.71			7663	23000		146	345	4.3	9.59			6041	22671
	37	996	1.7	38.01			7928	23000		131	384	4.4	10.67			6372	23896
	33	1091	1.5	42.53			8071	23000		118	426	4.0	11.82			6667	24990
	30	1199	1.4	46.73			8173	23000		108	465	4.3	12.91			7002	26238
	27	1316	1.3	51.30			8224	23000		98	512	3.9	14.21			7405	27755
	23	1550	1.1	60.44			8162	23000		88	573	4.2	15.91			7720	28952
	21	1697	1.0	66.15			7155	26580		81	624	3.8	17.33			8095	30386
					ITS942	B5/B14	7589	28163		73	689	3.6	19.13			8864	31000
	98	372	5.4	14.21			7931	29417		60	840	3.0	23.32			9782	31000
	88	417	5.8	15.91			8340	30929		48	1060	2.5	29.42			10029	31000
	81	454	5.3	17.33			9201	31000		45	1129	2.7	31.35			10899	31000
	73	501	5.0	19.13			10268	31000		35	1426	2.1	39.60			11198	31000
	60	611	4.1	23.32			10567	31000		32	1558	1.7	43.25			11513	31000
	48	771	3.5	29.42			11677	31000		29	1727	1.6	47.95			11889	31000
	45	821	3.7	31.35			12093	31000		26	1884	1.7	53.43			12076	31000
	35	1037	2.9	39.60			12567	31000		24	2053	1.6	58.22			12231	31000
	32	1133	2.4	43.25			13113	31000		22	2276	1.4	64.53			12289	31000
	29	1256	2.1	47.95			13478	31000		20	2483	1.2	70.40			12262	31000
	26	1370	2.3	53.43			13882	31000		18	2716	1.1	77.00	ITS943	B5/B14	11787	31000
	24	1493	2.1	58.22			14184	31000									
	22	1655	1.9	64.53			14446	31000									
	20	1806	1.7	70.40													
	18	1975	1.5	77.00													
					ITS943	B5/B14	14785	31000									
	15	2412	1.3	94.05			14800	31000									
	14	2563	1.2	99.94			14723	31000									
	13	2807	1.1	109.42													
	12	3103	1.0	121.00													
					ITS922	B5/B14	2734	9917									
							3025	11008									
							3253	11892									
							3369	12357									
							3542	13078									
							3717	13857									
							3843	14469									
							3972	15188									
							4066	15869									

7.5

132MA4 (1400 min ⁻¹)	247	278	1.8	5.66	ITS922	B5/B14	2734	9917
	198	347	1.4	7.06			3025	11008
	167	411	1.2	8.37			3253	11892



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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
7.5								
132MA4 (1400 min ⁻¹)	228	301	2.8	6.13	ITS932	B5/B14	3245	12848
	183	376	2.3	7.65		B5/B14	3618	14323
	155	444	1.9	9.03		B5/B14	3912	15506
	141	486	1.9	9.90		B5/B14	4078	16183
	124	553	1.6	11.27		B5/B14	4316	17170
	107	642	1.4	13.06		B5/B14	4585	18326
	96	716	1.3	14.58		B5/B14	4782	19201
	83	825	1.2	16.81		B5/B14	5025	20338
	73	945	1.1	19.24		B5/B14	5237	21409
	59	1158	1.0	23.57		B5/B14	5492	22947
	57	1216	1.0	24.75	ITS942	B5/B14	5538	23000
	54	1268	1.1	25.81		B5/B14	5571	23000
	48	1418	1.0	28.88		B5/B14	5627	23000
	40	1705	1.0	34.71		B5/B14	5583	23000
	177	389	3.9	7.93		B5/B14	5076	19243
	146	471	3.2	9.59		B5/B14	5601	21210
	131	524	3.2	10.67		B5/B14	5911	22378
	118	581	2.9	11.82		B5/B14	6220	23553
	108	634	3.2	12.91		B5/B14	6492	24597
	98	698	2.9	14.21		B5/B14	6797	25781
	88	781	3.1	15.91		B5/B14	7160	27212
	81	851	2.8	17.33		B5/B14	7440	28332
	73	940	2.7	19.13		B5/B14	7767	29663
	60	1145	2.2	23.32		B5/B14	8415	31000
	48	1445	1.9	29.42		B5/B14	9133	31000
	45	1540	1.9	31.35		B5/B14	9312	31000
	35	1945	1.5	39.60		B5/B14	9861	31000
	32	2124	1.3	43.25		B5/B14	10004	31000
	29	2355	1.1	47.95		B5/B14	10108	31000
	26	2569	1.2	53.43		B5/B14	10256	31000
	24	2800	1.1	58.22		B5/B14	10206	31000
	22	3103	1.0	64.53		B5/B14	10030	31000

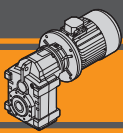
9.2								
132L4 (1400 min ⁻¹)	247	341	1.5	5.66	ITS922	B5/B14	2666	9762
	198	425	1.2	7.06		B5/B14	2928	10789
	167	504	1.0	8.37		B5/B14	3125	11607
	153	550	1.2	9.13		B5/B14	3222	12030
	134	629	1.0	10.43		B5/B14	3361	12676
	228	370	2.3	6.13	ITS932	B5/B14	3186	12696
	183	461	1.8	7.65		B5/B14	3534	14108
	155	544	1.6	9.03		B5/B14	3804	15229
	141	596	1.5	9.90		B5/B14	3952	15864
	124	679	1.3	11.27		B5/B14	4161	16779
	107	787	1.1	13.06		B5/B14	4390	17835
	96	878	1.0	14.58		B5/B14	4550	18619
	83	1012	1.0	16.81		B5/B14	4734	19612
	177	477	3.1	7.93	ITS942	B5/B14	5007	19086
	146	578	2.6	9.59		B5/B14	5508	20999
	131	643	2.6	10.67		B5/B14	5800	22130
	118	712	2.4	11.82		B5/B14	6089	23262
	108	778	2.6	12.91		B5/B14	6342	24263
	98	856	2.3	14.21		B5/B14	6623	25394
	88	958	2.5	15.91		B5/B14	6952	26750
	81	1044	2.3	17.33		B5/B14	7202	27805
	73	1153	2.2	19.13		B5/B14	7488	29048
	60	1405	1.8	23.32		B5/B14	8034	31000
	48	1773	1.5	29.42		B5/B14	8582	31000
	45	1889	1.6	31.35		B5/B14	8703	31000
	35	2386	1.3	39.60		B5/B14	8979	31000
	32	2606	1.0	43.25		B5/B14	8990	31000
	29	2889	0.9	47.95		B5/B14	8914	31000
	26	3152	1.0	53.43		B5/B14	8869	31000

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
11.0								
160M4 (1400 min ⁻¹)	228	442	1.9	6.13	ITS932	B5	3123	12535
	183	551	1.5	7.65		B5	3446	13881
	155	651	1.3	9.03		B5	3688	14935
	141	713	1.3	9.90		B5	3819	15526
	124	812	1.1	11.27		B5	3997	16366
	107	941	1.0	13.06		B5	4183	17315
	177	571	2.6	7.93	ITS942	B5	4934	18920
	146	691	2.2	9.59		B5	5409	20776
	131	768	2.2	10.67		B5	5683	21867
	118	851	2.0	11.82		B5	5952	22953
	108	930	2.2	12.91		B5	6184	23910
	98	1024	2.0	14.21		B5	6438	24983
	88	1146	2.1	15.91		B5	6732	26261
	81	1248	1.9	17.33		B5	6950	27246
	73	1378	1.8	19.13		B5	7193	28397
	60	1680	1.5	23.32		B5	7630	30695
	48	2119	1.3	29.42		B5	7999	31000
	45	2258	1.3	31.35		B5	8058	31000
	35	2853	1.1	39.60		B5	8046	31000

15.0								
160L4 (1400 min ⁻¹)	228	603	1.4	6.13	ITS932	B5	2984	12177
	183	752	1.1	7.65		B5	3248	13377
	155	887	1.0	9.03		B5	3432	14283
	177	779	1.9	7.93	ITS942	B5	4771	18551
	146	942	1.6	9.59		B5	5189	20280
	131	1048	1.6	10.67		B5	5423	21282
	118	1161	1.5	11.82		B5	5646	22267
	108	1268	1.6	12.91		B5	5832	23124
	98	1396	1.4	14.21		B5	6028	24070
	88	1563	1.5	15.91		B5	6242	25174
	81	1702	1.4	17.33		B5	6389	26006
	73	1879	1.3	19.13		B5	6537	26950
	60	2291	1.1	23.32		B5	6733	28729

18.5								
180M4 (1400 min ⁻¹)	177	960	1.6	7.93	ITS942	B5	4629	18228
	146	1162	1.3	9.59		B5	4997	19846
	131	1292	1.3	10.67		B5	5196	20770
	118	1432	1.2	11.82		B5	5378	21667
	108	1564	1.3	12.91		B5	5524	22436
	98	1722	1.2	14.21		B5	5670	23271
	88	1927	1.2	15.91		B5	5814	24224
	81	2099	1.1	17.33		B5	5898	24920
	73	2318	1.1	19.13		B5	5963	25685

22.0								
180L4 (1400 min ⁻¹)	177	1142	1.3	7.93	ITS942	B5	4487	17905
	146	1382	1.1	9.59		B5	4805	19412
	131	1537	1.1	10.67		B5	4968	20258
	118	1703	1.0	11.82		B5	5110	21067
	108	1859	1.1	12.91		B5	5217	21749
	98	2048	1.0	14.21		B5	5311	22473
	88	2292	1.0	15.91		B5	5385	23273



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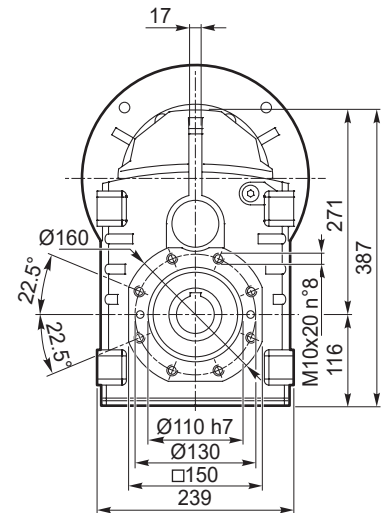
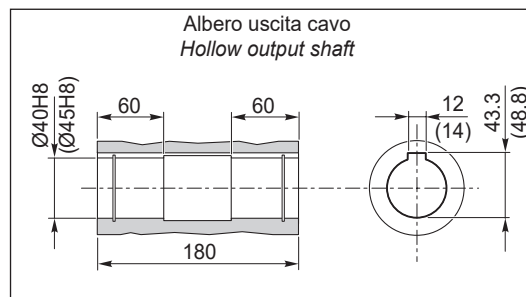
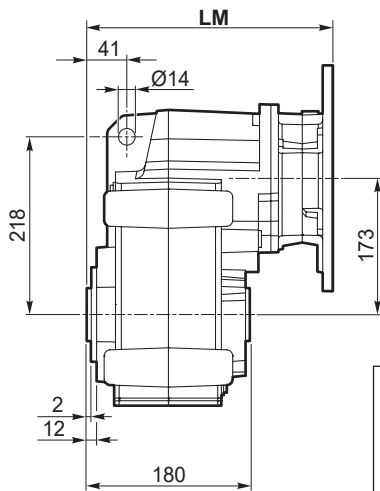
Dimensioni

Dimensions

ITS 922 - ITS 923

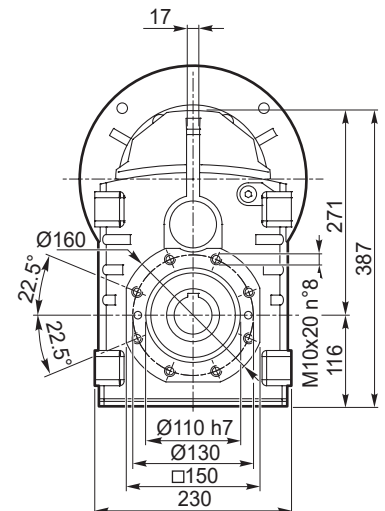
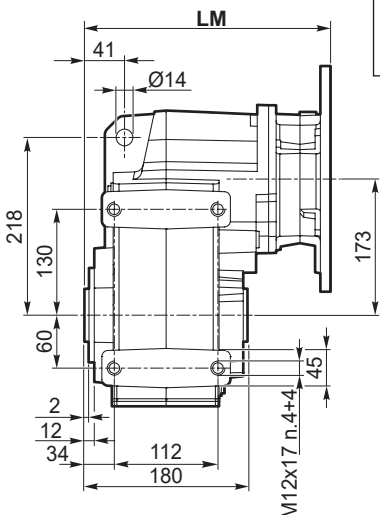
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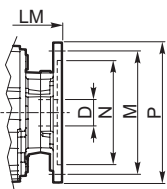
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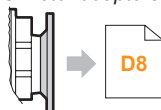


Dimensioni IEC / IEC Dimensions

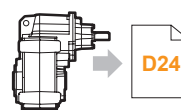
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N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	



IEC Motori applicabili
IEC Motor adapters



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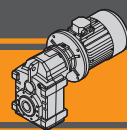
D18

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روب روی پالایشگاه نفت پارس، پلاک ۱۲



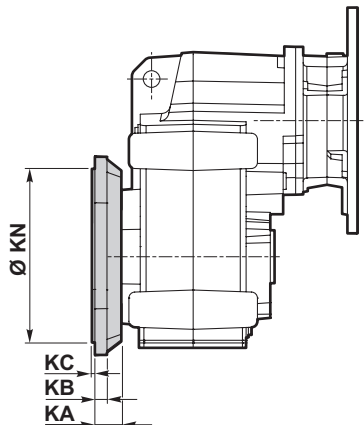
Dimensioni

Dimensions

ITS 922 - ITS 923

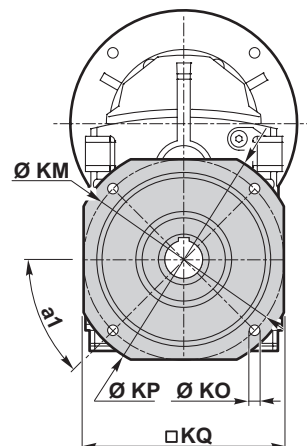
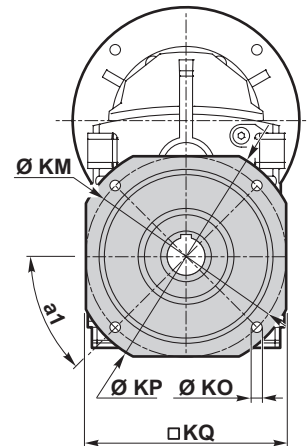
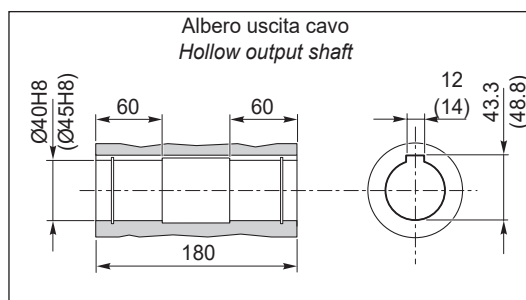
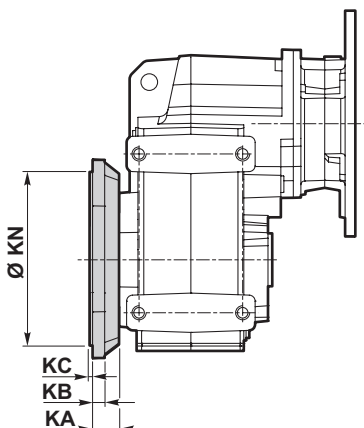
ITS 922 U/F...

ITS 923 U/F...



ITS 922 P/F...

ITS 923 P/F...

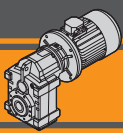


ITS

Versione F / F Version											
ITS	KA	a ₁	KB	KC	Ø KM	KN f7	KO	KP □	KQ	Flangia / Flange	Peso / Weight [kg]
										Tipo / Type	
922 923	35	45°	13	4	165	130	11	200	172	F200	2.6
	35	45°	13	4	215	180	14	250	215	F250	3.8
	35	45°	13	4	265	230	14	300	265	F300	5.6

Peso / Weight [kg]									
ITS	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	
922 U	-	42	42	41	44	42	47	44	
922 P	-	42	42	41	44	41	47	44	
923 U	44	45	45	44	47	44		-	
923 P	44	44	44	43	46	44		-	

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



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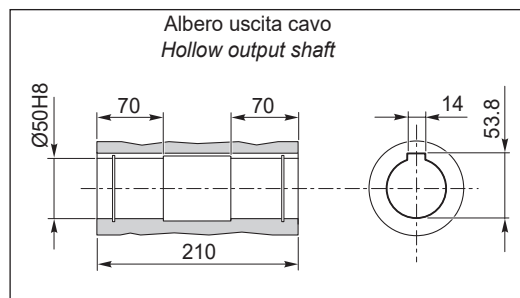
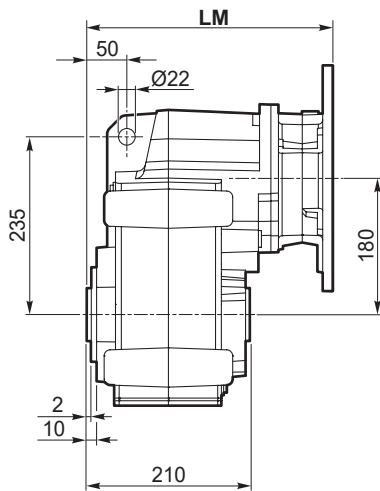
Dimensioni

Dimensions

ITS 932 - ITS 933

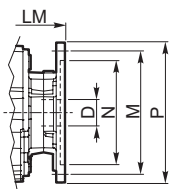
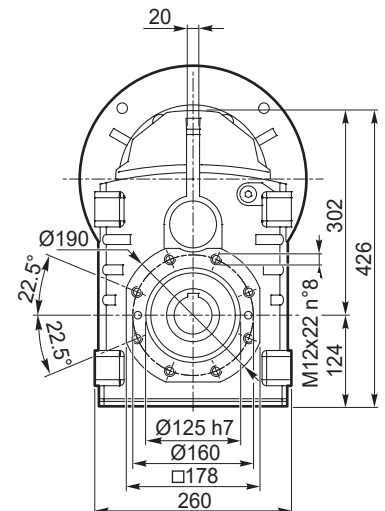
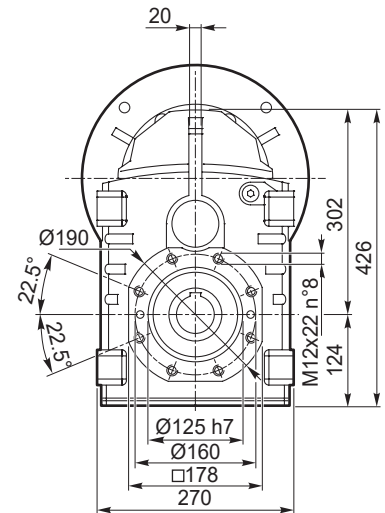
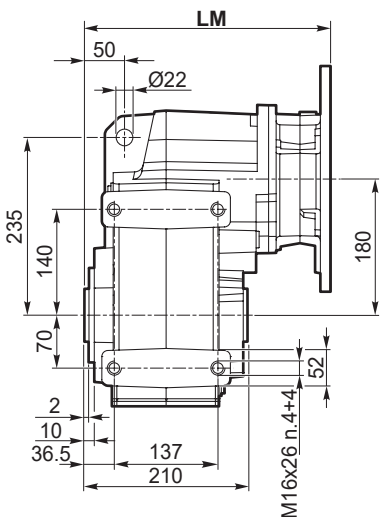
ITS 932 U

ITS 933 U



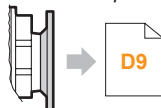
ITS 932 P

ITS 933 P

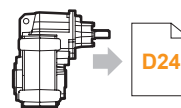


Dimensioni IEC / IEC Dimensions									
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5
LM	297.5	297.5	297.5	302	301.5	302	322.5		372.5
N	110	130	130	95	180	110	230	130	250
M	130	165	165	115	215	130	265	165	300
P	160	200	200	140	250	160	300	200	350
D	14	19	24		28		38		42

IEC Motori applicabili
IEC Motor adapters



ITSIS..



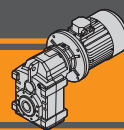
D20

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روبروی پالایشگاه نفت پارس، پلاک ۱۳



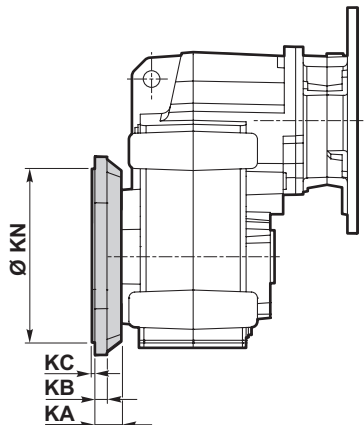
Dimensioni

Dimensions

ITS 932 - ITS 933

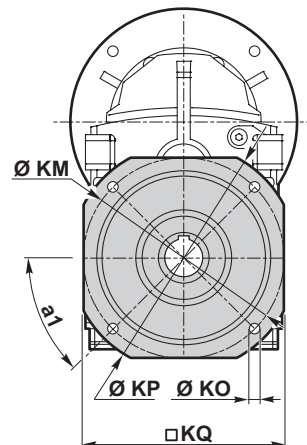
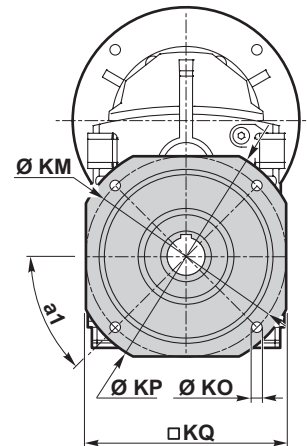
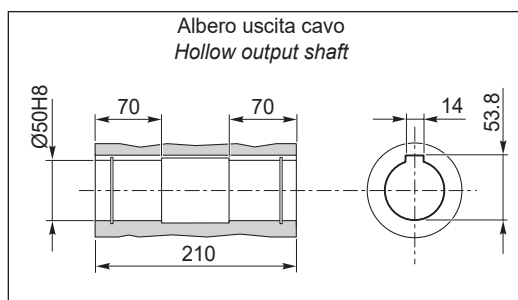
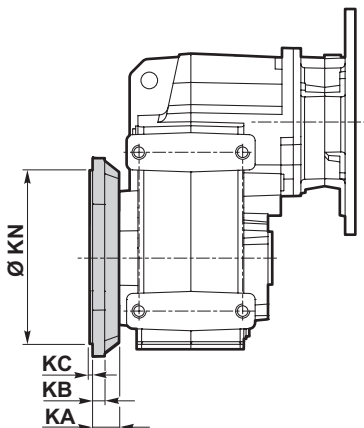
ITS 932 U/F...

ITS 933 U/F...



ITS 932 P/F...

ITS 933 P/F...

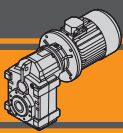


ITS

Versione F / F Version											
ITS	KA	a ₁	KB	KC	Ø KM	KN f7	KO	KP □	KQ	Flangia / Flange	Peso / Weight [kg]
										Tipo / Type	
932 933	40	45°	16	4	215	180	14	250	215	F250	4.8
	40	45°	16	4	265	230	14	300	265	F300	7.1
	40	45°	16	4	300	250	18	350	300	F350	9.1

Peso / Weight [kg]										
ITS	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	
932 U	-	55	55	54	57	54	60	57	68	
932 P	-	54	54	53	56	54	59	56	68	
933 U	58	59	59	58	61	58	-	-	-	
933 P	58	58	58	57	60	58	-	-	-	

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



ITS

Motoriduttori pendolari
Helical parallel gearmotors

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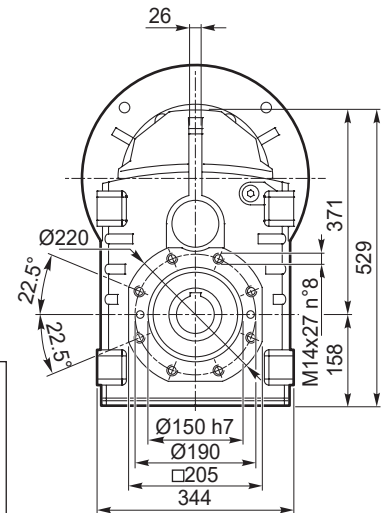
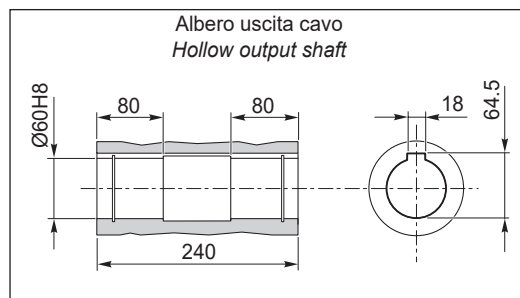
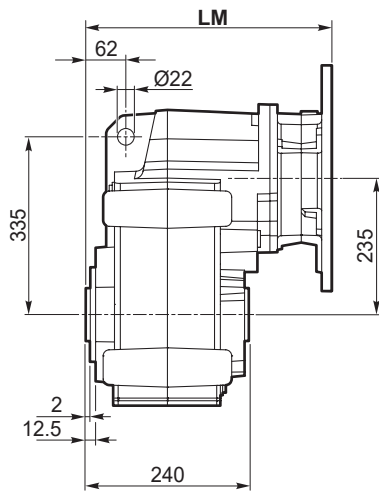
Dimensioni

Dimensions

ITS 942 - ITS 943

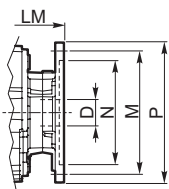
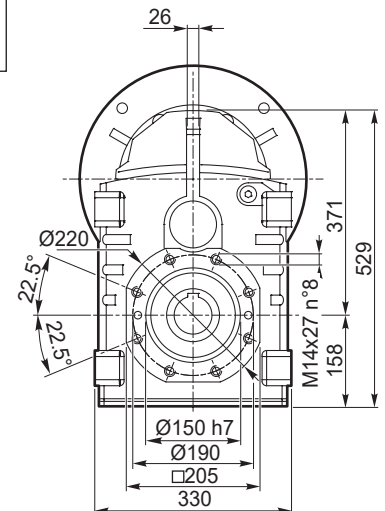
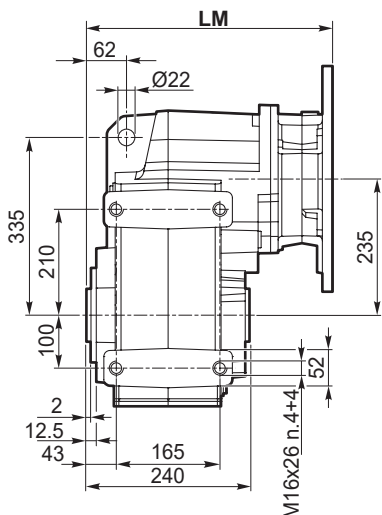
ITS 942 U

ITS 943 U



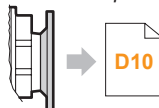
ITS 942 P

ITS 943 P

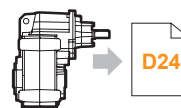


Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
LM	325.5	325.5	330	329.5	330	350.5		400.5	400.5
N	130	130	95	180	110	230	130	250	250
M	165	165	115	215	130	265	165	300	300
P	200	200	140	250	160	300	200	350	350
D	19	24		28		38		42	48

IEC Motori applicabili
IEC Motor adapters



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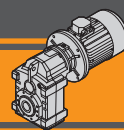
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روبروی پالایشگاه نفت پارس، پلاک ۱۲



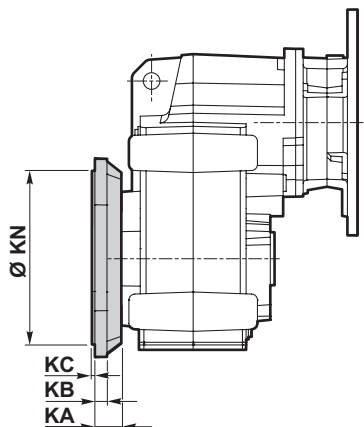
Dimensioni

Dimensions

ITS 942 - ITS 943

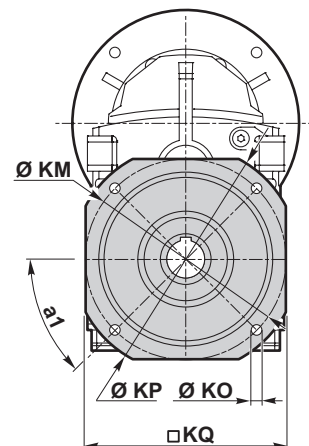
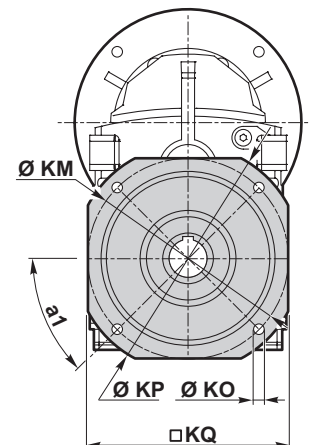
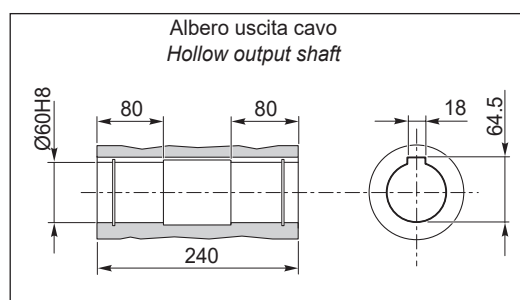
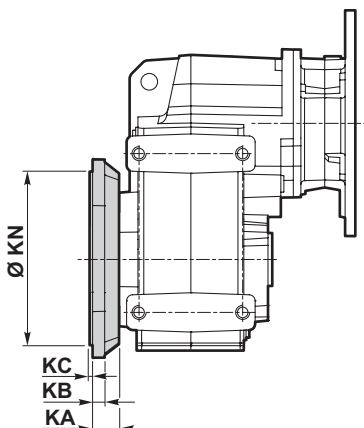
ITS 942 U/F...

ITS 943 U/F...



ITS 942 P/F...

ITS 943 P/F...

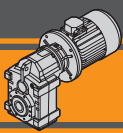


ITS

Versione F / F Version											
ITS	KA	a ₁	KB	KC	Ø KM	KN f7	KO	KP □	KQ	Flangia / Flange	Peso / Weight [kg]
										Tipo / Type	
942 943	42.5	45°	18	4	265	230	14	300	265	F300	7.4
	42.5	45°	18	5	300	250	18	350	300	F350	10.2
	42.5	45°	18	5	400	350	18	450	400	F450	16.9

Peso / Weight [kg]										
ITS	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	
942 U	-	93	92	95	92	98	95	109	109	
942 P	-	92	91	94	91	97	94	108	108	
943 U	99	99	98	101	98	104	101	-	-	
943 P	98	98	97	100	97	103	100	-	-	

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



ITS

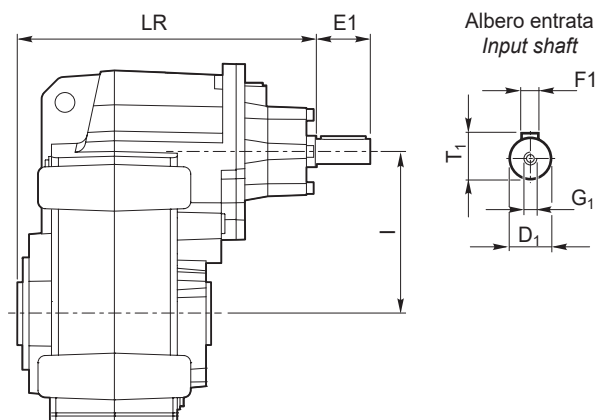
Motoriduttori pendolari Helical parallel gearmotors

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Dimensioni

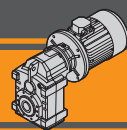
Dimensions

ITSIS...



ITSIS	Versione Version	LR	D1	E1	I	T1	F1	G1
922	U P U/F... P/F...	315	28	60	173	31	8	M10
923		315	28	60	173	31	8	M10
932		330	28	60	180	31	8	M10
933		330	28	60	180	31	8	M10
942		375.5	38	80	235	41	10	M12
943		358	28	60	235	31	8	M10

ITSIS	Peso / Weight [kg]
922 U	43
922 P	43
923 U	46
923 P	45
932 U	56
932 P	55
933 U	60
933 P	59
942 U	99
942 P	98
943 U	100
943 P	99

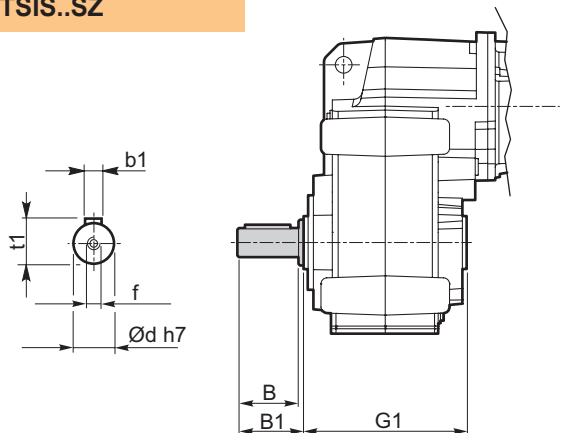


Accessori

Accessories

Albero lento / Output shaft

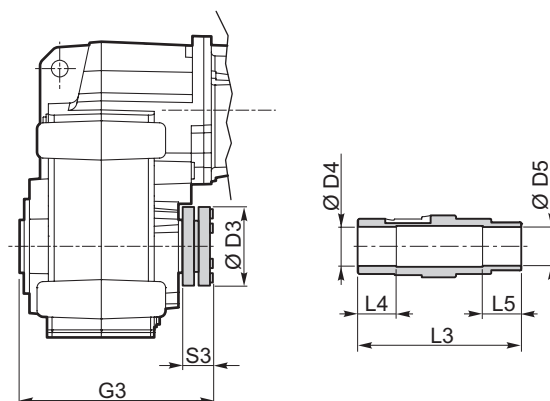
ITS...SZ
ITSIS..SZ



ITS	d h7	B	B1	G1	f	b1	t1	Peso / Weight [kg]
922 923	40	80	84	180	M16	12	43	2.2
932 933	50	100	105	210	M16	14	53.5	4.3
942 943	60	120	125	240	M20	18	64	7.1

Albero lento con calettatore / Output shaft with shrink disk

ITS...G...
ITSIS..G..

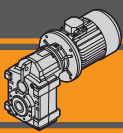


Albero lento con calettatore / Output shaft with shrink disk

ITS		D3	D4 H8	D5 H8	G3	L3	L4	L5	S3	G4
922/3	G40	100	41	40	217.5	215	45	45	34.5	90
	G45	100	46	45	217.5	215	45	45	34.5	90
932/3	G50	110	51	50	247.5	245	50	50	34.5	105
942/3	G60	138	61	60	280.5	279	60	60	37.5	120

Kit albero uscita con calettatore disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

Output shaft kit with shrink disk available on request:
for assembly instructions please contact our Technical Service

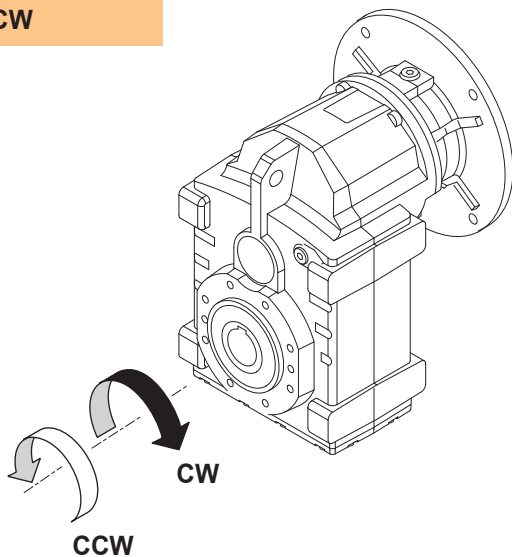


Accessori

Accessories

Dispositivo antiretro / Backstop device

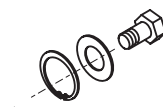
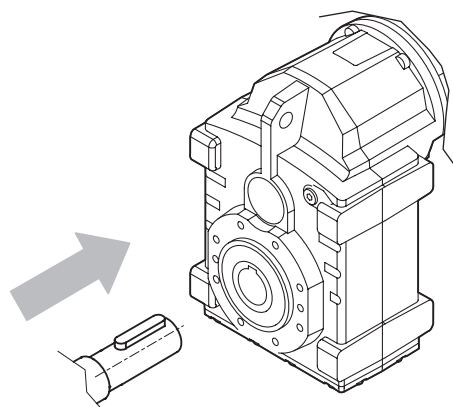
ITS...CW
ITS...CCW



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.

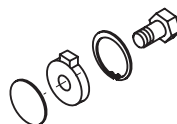
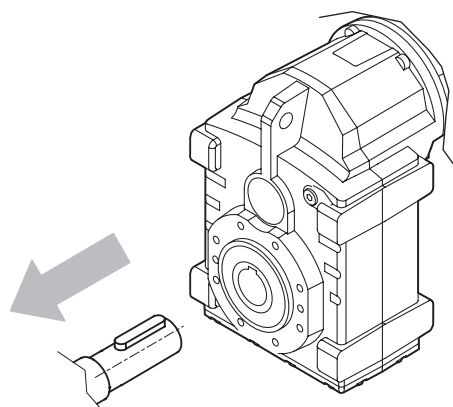
Kit di montaggio albero uscita / Output shaft assembly kit



Kit di montaggio albero uscita disponibile a richiesta: per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.
Viti escluse dalla fornitura

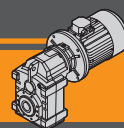
Output shaft assembly kit available upon request: for assembly instructions please contact our Technical Assistance
Screws not provided

Kit di smontaggio albero uscita / Output shaft disassembly kit



Kit di smontaggio albero uscita disponibile a richiesta: per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.
Viti escluse dalla fornitura

Output shaft disassembly kit available upon request: for assembly instructions please contact our Technical Assistance
Screws not provided



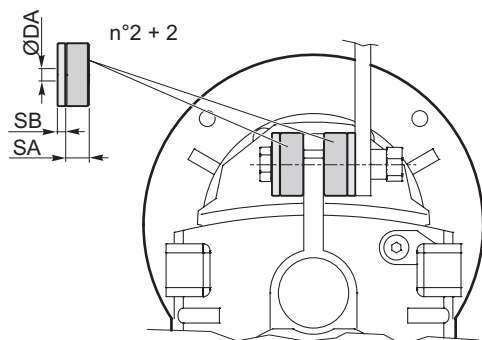
Accessori

Accessories

Kit braccio di reazione / Torque arm kit

Kit braccio di reazione disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

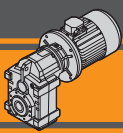
*Torque arm kit available upon request:
for assembly instructions please contact our Technical Assistance*



Braccio di reazione / Torque arm

ITS	ØDA	SA	SB
922 923	13	15	5
932 933	21	30	10
942 943	21	30	10

ITS

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Note / Notes



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