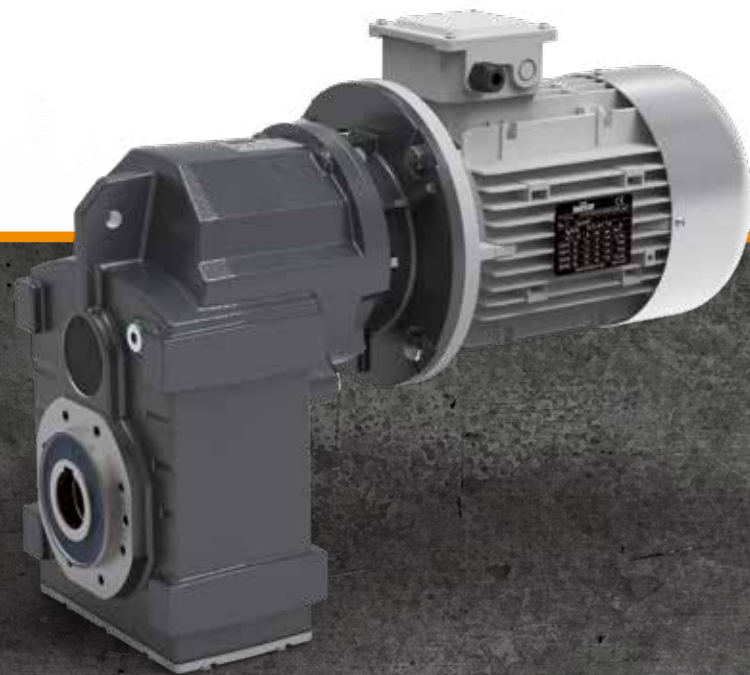
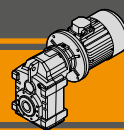


Motoriduttori pendolari  
**Helical parallel gearmotors**



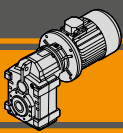




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# ITS Motoriduttori pendolari Helical parallel gearmotors

## 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:

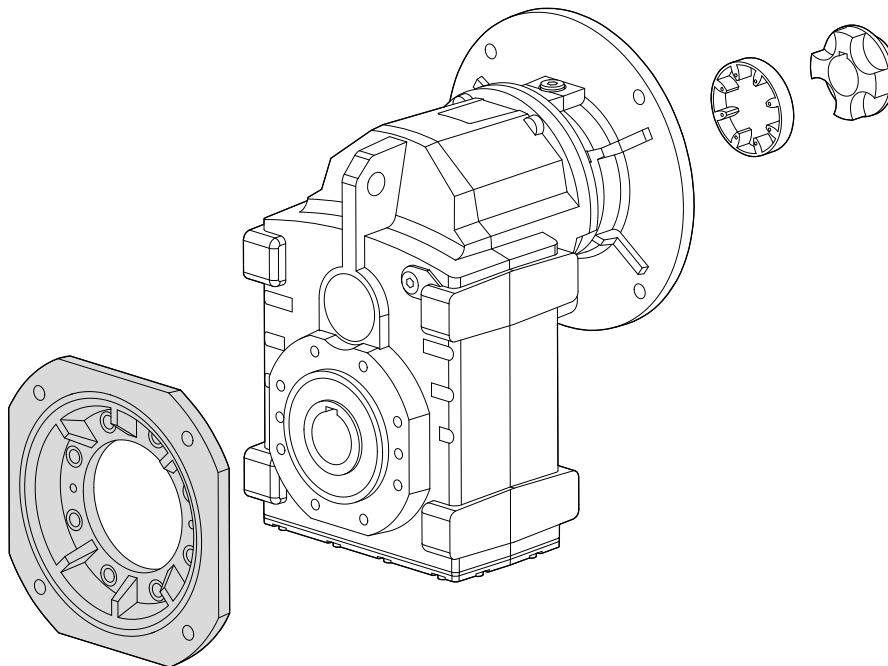
- Costruzione robusta con carcassa in ghisa
- Elevata modularità
- Lubrificazione con olio sintetico
- Accoppiamento al motore tramite giunto elastico
- Verniciatura a polvere epossidica RAL 7016 di spessore medio 0,10 – 0,15 mm

## 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
- Epoxy powder coating RAL 7016 average thickness 0,10 – 0,15 mm.



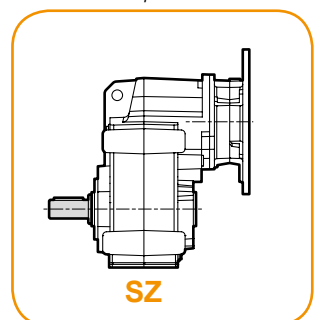
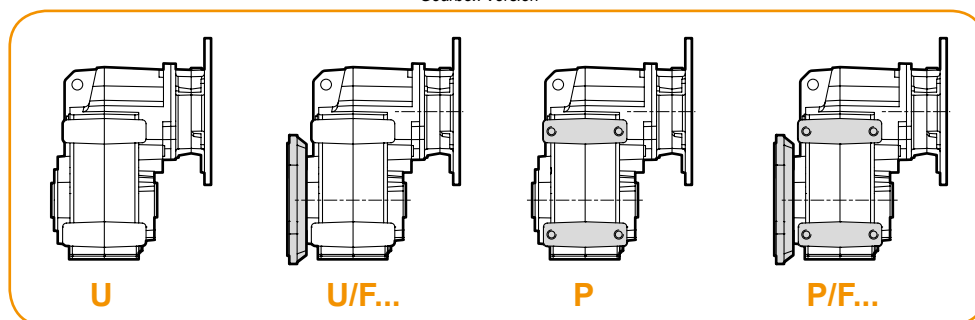
## Versioni

## Versions

### ITS...

Versione Riduttore  
Gearbox Version

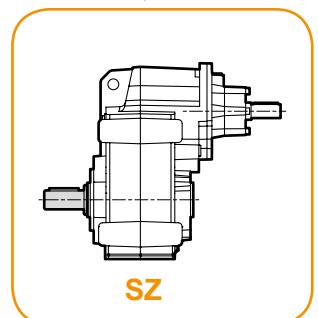
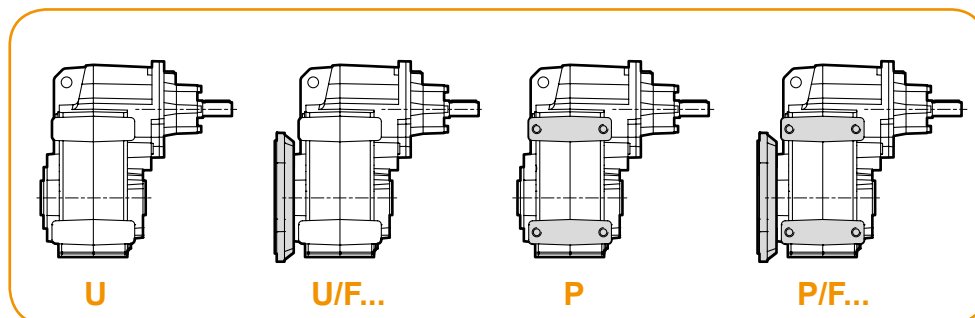
Albero di uscita  
Output shaft

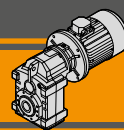


### ITSIS...

Versione Riduttore  
Gearbox Version



Albero di uscita  
Output shaft




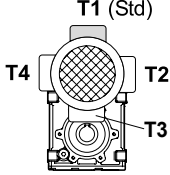


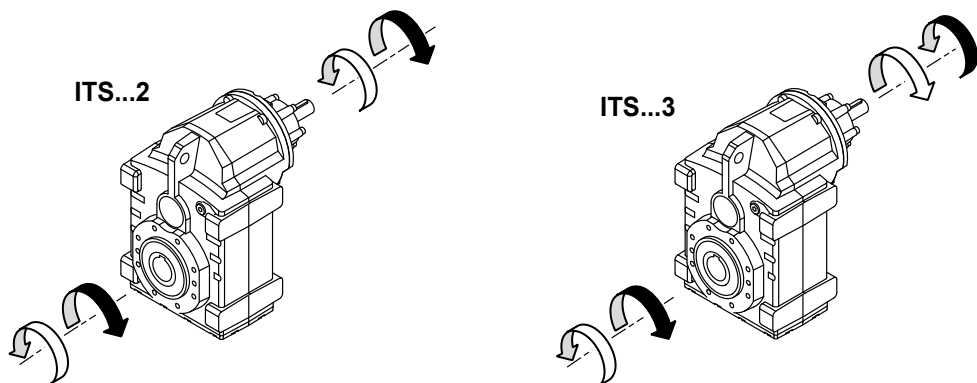
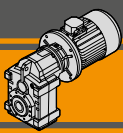
## Designazione

## Classification

RIDUTTORE / GEARBOX										
ITS	92	2	U	22.92	D40	132	B5	SZ	M1	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	Dispositivo antiretro Backstop device
	92 93 94	2 3	U... U/F... P... P/F...	vedi tabelle see tables	vedi tabelle see tables	80.. — 180..	B5 B14	SZ	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)	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
	92 93 94	2 3	U... U/F... P... P/F...	vedi tabelle see tables	vedi tabelle see tables	SZ	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

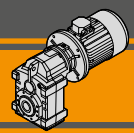
MOTORE / MOTOR						
5,5 kW	4p	3ph	230/400V	50Hz	T1	
Potenza Power	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsetteria Terminal box pos.	
vedi tabelle see tables	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V	50Hz 60Hz		



**Simbologia**

**Symbols**

$n_1$	[min <sup>-1</sup> ]	Velocità in ingresso / <i>Input speed</i>
$n_2$	[min <sup>-1</sup> ]	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 <math>P_1</math></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 <math>P_{n1}</math></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>
$R_2U$	[N]	Carico radiale ammissibile in uscita per la versione "U..." / <i>Permitted output radial load for "U..." version</i>
$R_2P$	[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>

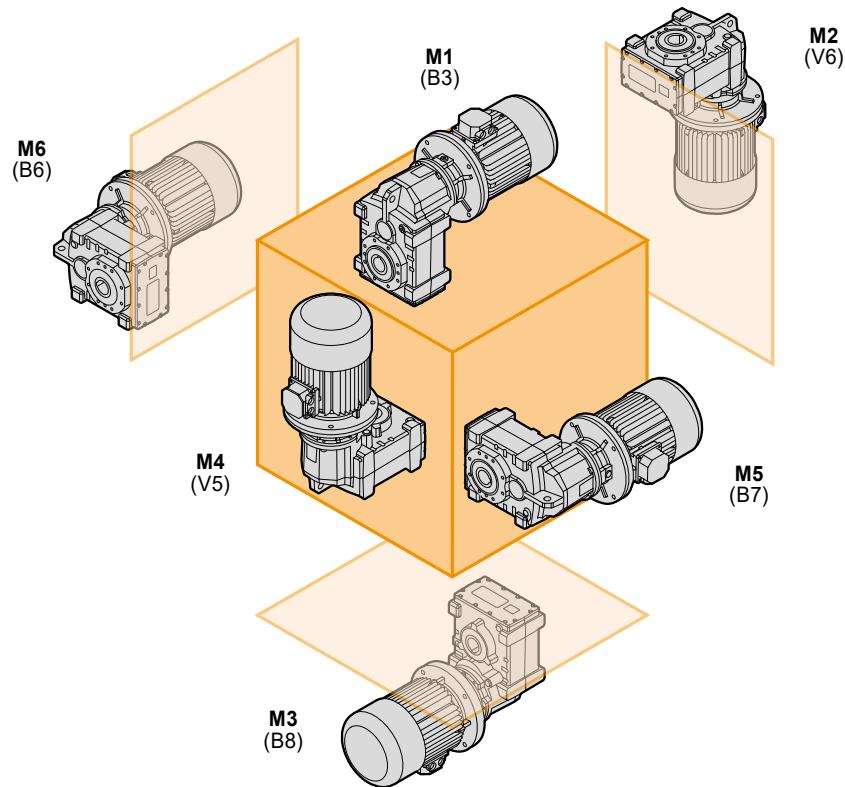


## Lubrificazione

## Lubrication

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

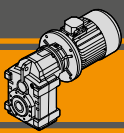
*ITS series gearmotors come complete with synthetic lubricant 320 viscosity. The lubricant quantity depends on assembly position.*



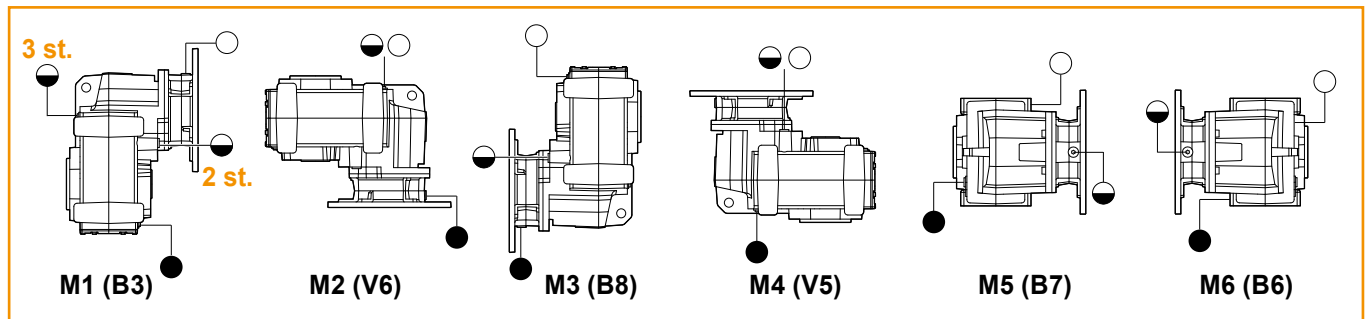
ITS

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					
932	4,7	7,0	4,3	7,7	4,5	4,4
933	6,7					
942	9,1	14,4	9,1	15,4	9,1	8,9
943	12,0					





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					
932	4,9	7,4	4,7	7,7	4,7	4,6
933	6,9					
942	9,3	15,1	9,8	15,4	9,5	9,3
943	12,2	14,8	9,5	15,4	9,3	9,1



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

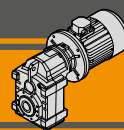
## Carichi radiali in entrata

## Input Radial loads

ITS 922 ITS 923 - 932 ITS 933 - 943	$n_1$ [min <sup>-1</sup> ]	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 <sup>-1</sup> ]	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	-	-	



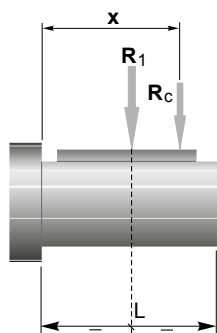
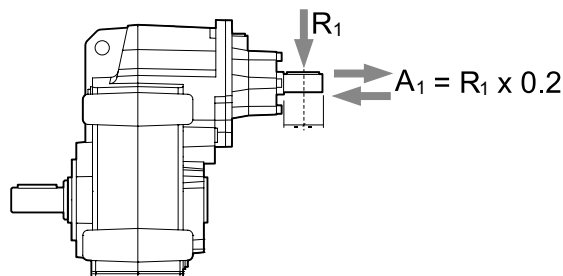


I carichi radiali uscita massimi applicabili sono riportati nelle tabelle precedenti.

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:*



	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

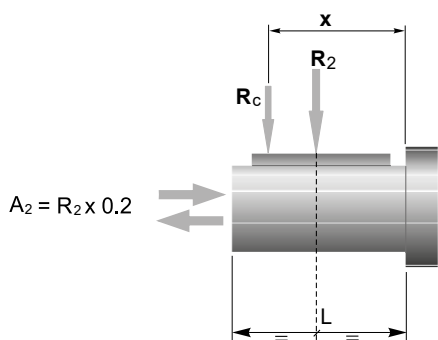
I carichi radiali uscita massimi applicabili sono riportati nelle tabelle dati tecnici.

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 <sub>2MAX</sub>	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*

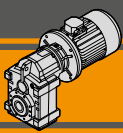
La versione U utilizza cuscinetti a sfere sull'asse di uscita mentre la versione P utilizza cuscinetti a rulli conici.

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.*



## Dati tecnici

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


## Technical data

	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	$R_2 U$ [N]	$R_2 P$ [N]		IEC Motori applicabili IEC Motor adapters
<b>ITSIS 922</b>							<b>ITS 922</b>	
								80B5    90B5/B14    100B5/B14    112B5/B14    132B5/B14
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		*	

<b>ITSIS 923</b>						
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	


<b>ITS 923</b>				
71B5	80B5	90B5/B14	100B5/B14	112B5/B14
				*
			*	*
			*	*
			*	*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
	*	*	*	*
	*	*	*	*

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

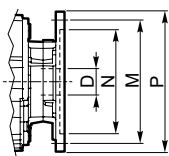
 \* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

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.

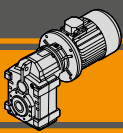
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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



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







## Dati tecnici

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

## Technical data


	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	$R_2 U$ [N]	$R_2 P$ [N]		IEC Motori applicabili IEC Motor adapters
<b>ITSIS 942</b>							<b>ITS 942</b>	
								90B5/B14 100B5/B14 112B5/B14 132B5/B14 160B5 180B5
	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		


<b>ITSIS 943</b>						
	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

<b>ITS 943</b>				
80B5	90B5/B14	100B5/B14	112B5/B14	132B5/B14
				*
				*
				*
			*	*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*

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

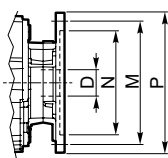
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.

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

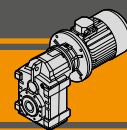
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. D11 alla pag. D17.

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













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










Dati tecnici

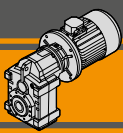
Technical data

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

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

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> U [N]	R <sub>2</sub> P [N]	
<b>0.37</b>									
71B4 (1400 min <sup>-1</sup> )	5.9	566	1.9	238.53	ITS923		9500	18500	
	5.1	647	1.7	272.74			B5	9500	18500
	4.8	686	1.6	289.29			B5	9500	18500
	4.4	751	1.5	316.73			B5	9500	18500
	4.1	813	1.4	342.86			B5	9500	18500
	3.7	891	1.2	375.38	B5	9500	18500		
	5.4	611	2.8	257.61	ITS933		12000	23000	
	4.8	699	2.4	294.56			B5	12000	23000
	4.5	741	2.3	312.43			B5	12000	23000
	4.1	812	2.1	342.07			B5	12000	23000
3.8	879	1.9	370.29	B5			12000	23000	
3.5	962	1.8	405.42	B5	12000	23000			













P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> U [N]	R <sub>2</sub> P [N]	
<b>0.55</b>									
80A4 (1400 min <sup>-1</sup> )	247	20	25	5.66	ITS922		3016	10554	
	198	25	20	7.06			B5	3424	11905
	167	30	17	8.37			B5	3775	13059
	153	33	20	9.13			B5	3969	13693
	134	38	17	10.43			B5	4283	14723
	116	43	15	12.04			B5	4647	15910
	104	49	15	13.50			B5	4958	16920
	90	56	13	15.50			B5	5359	18223
	79	64	14	17.81			B5	5795	18500
	64	78	11	21.73			B5	6474	18500
	61	83	11	22.92			B5	6667	18500
	59	86	11	23.80			B5	6807	18500
	53	96	9.4	26.63			B5	7240	18500
	48	105	8.5	29.26			B5	7623	18500
	44	116	8.6	32.14			B5	8021	18500
	40	124	8.1	35.19			B5	8430	18500
	36	139	7.2	39.38			B5	8951	18500
	32	153	6.6	43.27			B5	9408	18500
	29	168	6.0	47.50			B5	9500	18500
	25	197	5.6	55.96			B5	9500	18500
23	216	5.1	61.25	B5	9500	18500			
21	238	4.6	67.50	B5	9500	18500			



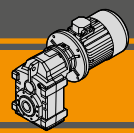
# ITS Motoriduttori pendolari Helical parallel gearmotors

## Dati tecnici

## Technical data



P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]			
<b>0.75</b>									<b>0.75</b>											
80B4 (1400 min <sup>-1</sup> )	247	28	18	5.66	ITS922		3008	10535	80B4 (1400 min <sup>-1</sup> )	15	452	7.1	94.05	ITS943		15000	31000			
	198	35	14	7.06			B5	3413		11879	14	481	6.7			99.94	B5	15000	31000	
	167	41	12	8.37			3760	13026		13	526	6.1	109.42			B5	15000	31000		
	153	45	14	9.13			3951	13655		12	582	5.5	121.00			B5	15000	31000		
	134	51	13	10.43			4262	14675		10	647	4.9	134.54			B5	15000	31000		
	116	59	11	12.04			4621	15851		9.5	710	4.5	147.69			B5	15000	31000		
	104	66	11	13.50			4926	16850		8.2	816	3.9	169.71			B5	15000	31000		
	90	76	9.9	15.50			5319	18136		7.5	894	3.6	185.82			B5	15000	31000		
	79	87	10	17.81			5745	18500		6.7	1000	3.2	207.90			B5	15000	31000		
	64	107	8.4	21.73			6406	18500		6.1	1099	2.9	228.46			B5	15000	31000		
	61	113	8.0	22.92			6593	18500		5.6	1206	2.7	250.80			B5	15000	31000		
	59	117	7.7	23.80			6728	18500		4.7	1421	2.3	295.48			B5	15000	31000		
	53	131	6.9	26.63			7146	18500		4.3	1555	2.1	323.40			B5	15000	31000		
	48	144	6.3	29.26			7514	18500		3.9	1714	1.9	356.40			B5	15000	31000		
	44	158	6.3	32.14			7895	18500												
	40	169	5.9	35.19			8287	18500												
	36	189	5.3	39.38			8780	18500												
	32	208	4.8	43.27			9210	18500												
	29	228	4.4	47.50			9500	18500												
	25	269	4.1	55.96			9500	18500												
	23	295	3.7	61.25			9500	18500												
	21	325	3.4	67.50			9500	18500												
	19	361	3.0	75.00	ITS923		9500	18500	90S4 (1400 min <sup>-1</sup> )	247	41	12	5.66	ITS922		B5/B14	2993	10503		
	16	415	2.7	86.28			B5	9500		18500		198	51			9.8	7.06	B5/B14	3393	11834
	15	454	2.4	94.46			B5	9500		18500		167	60			8.3	8.37	B5/B14	3734	12967
	13	522	2.1	108.48			B5	9500		18500		153	66			9.9	9.13	B5/B14	3921	13587
	12	571	1.9	118.77			B5	9500		18500		134	75			8.6	10.43	B5/B14	4225	14592
	9.9	678	1.6	140.93			B5	9500		18500		116	87			7.5	12.04	B5/B14	4574	15748
	9.1	742	1.5	154.30			B5	9500		18500		104	97			7.7	13.50	B5/B14	4869	16726
	8.1	829	1.3	172.40			B5	9500		18500		90	112			6.7	15.50	B5/B14	5249	17983
	7.4	908	1.2	188.76			B5	9500		18500		79	128			7.0	17.81	B5/B14	5658	18500
	6.6	1015	1.1	211.15			B5	9500		18500		64	157			5.7	21.73	B5/B14	6287	18500
	57	122	9.9	24.75	ITS932		7671	23000		61	165	5.5	22.92	B5/B14	6463	18500				
	54	127	11	25.81			B5	9500	18500		59	171	5.3	23.80	B5/B14	6591	18500			
	48	142	9.9	28.88			B5	9500	18500		53	192	4.7	26.63	B5/B14	6982	18500			
	40	170	9.7	34.71			B5	9500	18500		48	211	4.3	29.26	B5/B14	7323	18500			
	37	187	8.8	38.01			B5	9500	18500		44	232	4.3	32.14	B5/B14	7673	18500			
	33	205	8.1	42.53			B5	9500	18500		40	248	4.0	35.19	B5/B14	8037	18500			
	30	225	7.3	46.73			B5	9500	18500		36	278	3.6	39.38	B5/B14	8481	18500			
	27	247	6.7	51.30			B5	9500	18500		32	305	3.3	43.27	B5/B14	8862	18500			
	23	291	5.7	60.44			B5	9500	18500		29	335	3.0	47.50	B5/B14	9245	18500			
	21	318	5.2	66.15			B5	9500	18500		25	395	2.8	55.96	B5/B14	9500	18500			
	19	351	4.3	72.90	B5	9500	18500		23	432	2.5	61.25	B5/B14	9500	18500					
	17	390	4.4	81.00	ITS933		12000	23000		21	476	2.3	67.50	B5/B14	9500	18500				
	15	448	3.8	93.18			B5	12000	23000		19	529	2.1	75.00	ITS923		B5/B14	9500	18500	
	14	491	3.5	102.02			B5	12000	23000		16	609	1.8	86.28			B5/B14	9500	18500	
	12	563	3.0	117.16			B5	12000	23000		15	666	1.7	94.46			B5/B14	9500	18500	
	11	617	2.8	128.28			B5	12000	23000		13	765	1.4	108.48			B5/B14	9500	18500	
	9.2	732	2.3	152.21			B5	12000	23000		12	838	1.3	118.77			B5/B14	9500	18500	
	8.4	801	2.1	166.65			B5	12000	23000		9.9	994	1.1	140.93			B5/B14	9500	18500	
	7.5	895	1.9	186.19			B5	12000	23000		9.1	1088	1.0	154.30			B5/B14	9500	18500	
	6.9	980	1.7	203.86			B5	12000	23000		8.1	1216	0.9	172.40			B5/B14	9500	18500	
	6.1	1097	1.6	228.05			B5	12000	23000		107	94	9.6	13.06			ITS932		B5/B14	5321
	5.4	1239	1.4	257.61	B5	12000	23000		96	105	8.6	14.58	B5/B14	5658					21394	
	4.8	1417	1.2	294.56	B5	12000	23000		83	121	8.3	16.81	B5/B14	6121	23000					
	4.5	1503	1.1	312.43	B5	12000	23000		73	139	7.2	19.24	B5/B14	6594	23000					
	4.1	1645	1.0	342.07	B5	12000	23000		59	170	7.1	23.57	B5/B14	7365	23000					
	3.8	1781	1.0	370.29	B5	12000	23000		57	178	6.7	24.75	B5/B14	7561	23000					
					B5	12000	23000		54	186	7.5	25.81	B5/B14	7732	23000					
					B5	12000	23000		48	208	6.7	28.88	B5/B14	8209	23000					
					B5	12000	23000		40	250	6.6	34.71	B5/B14	9040	23000					
					B5	12000	23000		37	274	6.0	38.01	B5/B14	9471	23000					
					B5	12000	23000		33	300	5.5	42.53	B5/B14	10042	23000					
					B5	12000	23000		30	330	5.0	46.73	B5/B14	10526	23000					
					B5	12000	23000		27	362	4.6	51.30	B5/B14	11019	23000					
					B5	12000	23000		23	426	3.9	60.44	B5/B14	11913	23000					
					B5	12000	23000		21	467	3.5	66.15	B5/B14	12000	23000					
					B5	12000	23000		19	514	2.9	72.90	B5/B14	12000	23000					









Dati tecnici

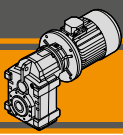
Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> U [N]	R <sub>2</sub> P [N]
<b>1.1</b>								
90S4 (1400 min <sup>-1</sup> )	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	ITS942	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		

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> U [N]	R <sub>2</sub> P [N]
<b>1.5</b>								
90L4 (1400 min <sup>-1</sup> )	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	

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> U [N]	R <sub>2</sub> P [N]
<b>1.5</b>								
90L4 (1400 min <sup>-1</sup> )	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		ITS942	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		











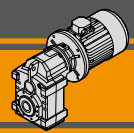


# ITS Motoriduttori pendolari Helical parallel gearmotors

## Dati tecnici



## Technical data



P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]		
<b>1.85</b>																			
90LB4 (1400 min <sup>-1</sup> )	247	69	7.3	5.66	ITS922		B5/B14	2963	10435	90LB4 (1400 min <sup>-1</sup> )	15	1116	2.9	94.05	ITS943		B5/B14	15000	31000
	198	85	5.8	7.06			B5/B14	3350	11737		14	1186	2.7	99.94			B5/B14	15000	31000
	167	101	4.9	8.37			B5/B14	3678	12841		13	1298	2.5	109.42			B5/B14	15000	31000
	153	111	5.9	9.13			B5/B14	3856	13443		12	1435	2.2	121.00			B5/B14	15000	31000
	134	126	5.1	10.43			B5/B14	4145	14415		10	1596	2.0	134.54			B5/B14	15000	31000
	116	146	4.5	12.04			B5/B14	4473	15526		9.5	1752	1.8	147.69			B5/B14	15000	31000
	104	164	4.6	13.50			B5/B14	4749	16462		8.2	2013	1.6	169.71			B5/B14	15000	31000
	90	188	4.0	15.50			B5/B14	5099	17656		7.5	2204	1.5	185.82			B5/B14	15000	31000
	79	216	4.2	17.81			B5/B14	5471	18500		6.7	2466	1.3	207.90			B5/B14	15000	31000
	64	263	3.4	21.73			B5/B14	6031	18500		6.1	2710	1.2	228.46			B5/B14	15000	31000
	61	278	3.2	22.92			B5/B14	6185	18500		5.6	2975	1.1	250.80			B5/B14	15000	31000
	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										
<b>2.2</b>																			
100LA4 (1400 min <sup>-1</sup> )	247	81	6.1	5.66	ITS922		B5/B14	2949	10402	100LA4 (1400 min <sup>-1</sup> )	15	1116	2.9	94.05	ITS943		B5/B14	15000	31000
	198	102	4.9	7.06			B5/B14	3330	11692		14	1186	2.7	99.94			B5/B14	15000	31000
	167	121	4.1	8.37			B5/B14	3651	12782		13	1298	2.5	109.42			B5/B14	15000	31000
	153	132	4.9	9.13			B5/B14	3826	13376		12	1435	2.2	121.00			B5/B14	15000	31000
	134	150	4.3	10.43			B5/B14	4107	14332		10	1596	2.0	134.54			B5/B14	15000	31000
	116	174	3.7	12.04			B5/B14	4427	15423		9.5	1752	1.8	147.69			B5/B14	15000	31000
	104	194	3.9	13.50			B5/B14	4693	16338		8.2	2013	1.6	169.71			B5/B14	15000	31000
	90	223	3.4	15.50			B5/B14	5030	17503		7.5	2204	1.5	185.82			B5/B14	15000	31000
	79	257	3.5	17.81			B5/B14	5384	18500		6.7	2466	1.3	207.90			B5/B14	15000	31000
	64	313	2.9	21.73			B5/B14	5912	18500		6.1	2710	1.2	228.46			B5/B14	15000	31000
	61	330	2.7	22.92			B5/B14	6055	18500		5.6	2975	1.1	250.80			B5/B14	15000	31000
	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										





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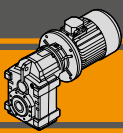
Technical data

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

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2</sub> U [N]	R <sub>2</sub> P [N]
<b>3.0</b>								
100LB4 (1400 min <sup>-1</sup> )	<b>247</b>	111	4.5	5.66	<b>ITS922</b>	<b>B5/B14</b>	2916	10329
	<b>198</b>	139	3.6	7.06		<b>B5/B14</b>	3284	11589
	<b>167</b>	164	3.0	8.37		<b>B5/B14</b>	3591	12648
	<b>153</b>	179	3.6	9.13		<b>B5/B14</b>	3757	13222
	<b>134</b>	205	3.2	10.43		<b>B5/B14</b>	4022	14143
	<b>116</b>	237	2.7	12.04		<b>B5/B14</b>	4319	15186
	<b>104</b>	265	2.8	13.50		<b>B5/B14</b>	4565	16056
	<b>90</b>	304	2.5	15.50		<b>B5/B14</b>	4870	17153
	<b>79</b>	350	2.6	17.81		<b>B5/B14</b>	5185	18309
	<b>64</b>	427	2.1	21.73		<b>B5/B14</b>	5639	18500
	<b>61</b>	450	2.0	22.92		<b>B5/B14</b>	5759	18500
	<b>59</b>	468	1.9	23.80		<b>B5/B14</b>	5843	18500
	<b>53</b>	523	1.7	26.63		<b>B5/B14</b>	6089	18500
	<b>48</b>	575	1.6	29.26		<b>B5/B14</b>	6286	18500
	<b>44</b>	631	1.6	32.14		<b>B5/B14</b>	6470	18500
	<b>40</b>	677	1.5	35.19		<b>B5/B14</b>	6677	18500
	<b>36</b>	757	1.3	39.38		<b>B5/B14</b>	6856	18500
	<b>32</b>	832	1.2	43.27		<b>B5/B14</b>	6976	18500
	<b>29</b>	914	1.1	47.50		<b>B5/B14</b>	7059	18500
	<b>25</b>	1077	1.0	55.96		<b>B5/B14</b>	7090	18500

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





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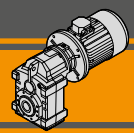


# ITS Motoriduttori pendolari Helical parallel gearmotors

## Dati tecnici



## Technical data



P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]	P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]			
<b>4.0</b>									<b>5.5</b>											
112M4 (1400 min <sup>-1</sup> )	<b>247</b>	148	3.4	5.66	<b>ITS922</b>	<b>B5/B14</b>	2876	10238	132S4 (1400 min <sup>-1</sup> )	<b>247</b>	204	2.5	5.66	<b>ITS922</b>	<b>B5/B14</b>	2815	10100			
	<b>198</b>	185	2.7	7.06		<b>B5/B14</b>	3226	11460		<b>198</b>	254	2.0	7.06		<b>B5/B14</b>	<b>B5/B14</b>	3140	11266		
	<b>167</b>	219	2.3	8.37		<b>B5/B14</b>	3516	12480		<b>167</b>	301	1.7	8.37		<b>B5/B14</b>	<b>B5/B14</b>	3403	12228		
	<b>153</b>	239	2.7	9.13		<b>B5/B14</b>	3671	13030		<b>153</b>	329	2.0	9.13		<b>B5/B14</b>	<b>B5/B14</b>	3541	12741		
	<b>134</b>	273	2.4	10.43		<b>B5/B14</b>	3915	13906		<b>134</b>	376	1.7	10.43		<b>B5/B14</b>	<b>B5/B14</b>	3755	13552		
	<b>116</b>	316	2.1	12.04		<b>B5/B14</b>	4186	14891		<b>116</b>	434	1.5	12.04		<b>B5/B14</b>	<b>B5/B14</b>	3985	14448		
	<b>104</b>	354	2.1	13.50		<b>B5/B14</b>	4404	15704		<b>104</b>	486	1.5	13.50		<b>B5/B14</b>	<b>B5/B14</b>	4164	15174		
	<b>90</b>	406	1.8	15.50		<b>B5/B14</b>	4671	16717		<b>90</b>	558	1.3	15.50		<b>B5/B14</b>	<b>B5/B14</b>	4371	16061		
	<b>79</b>	467	1.9	17.81		<b>B5/B14</b>	4937	17767		<b>79</b>	642	1.4	17.81		<b>B5/B14</b>	<b>B5/B14</b>	4564	16953		
	<b>64</b>	569	1.6	21.73		<b>B5/B14</b>	5298	18500		<b>64</b>	783	1.1	21.73		<b>B5/B14</b>	<b>B5/B14</b>	4787	18183		
	<b>61</b>	600	1.5	22.92		<b>B5/B14</b>	5388	18500		<b>61</b>	825	1.1	22.92		<b>B5/B14</b>	<b>B5/B14</b>	4832	18494		
	<b>59</b>	623	1.4	23.80		<b>B5/B14</b>	5450	18500		<b>59</b>	857	1.1	23.80		<b>B5/B14</b>	<b>B5/B14</b>	4859	18500		
	<b>53</b>	697	1.3	26.63		<b>B5/B14</b>	5619	18500								<b>ITS932</b>	<b>B5/B14</b>	3314	13027	
	<b>48</b>	766	1.2	29.26		<b>B5/B14</b>	5740	18500		<b>228</b>	221	3.8	6.13				<b>B5/B14</b>	3717	14575	
	<b>44</b>	842	1.2	32.14		<b>B5/B14</b>	5836	18500		<b>183</b>	276	3.1	7.65				<b>B5/B14</b>	4041	15833	
	<b>40</b>	903	1.1	35.19		<b>B5/B14</b>	5961	18500		<b>155</b>	325	2.6	9.03				<b>B5/B14</b>	4226	16559	
	<b>36</b>	1010	1.0	39.38		<b>B5/B14</b>	6001	18500		<b>141</b>	357	2.5	9.90				<b>B5/B14</b>	4498	17630	
	<b>32</b>	1110	0.9	43.27		<b>B5/B14</b>	5983	18500		<b>124</b>	406	2.2	11.27				<b>B5/B14</b>	4815	18904	
										<b>107</b>	470	1.9	13.06				<b>B5/B14</b>	5056	19886	
	<b>228</b>	161	5.3	6.13		<b>ITS932</b>	<b>B5/B14</b>	3366	13162		<b>96</b>	525	1.7		14.58			<b>B5/B14</b>	5368	21192
	<b>183</b>	200	4.2	7.65			<b>B5/B14</b>	3790	14764		<b>83</b>	605	1.7		16.81			<b>B5/B14</b>	5661	22462
	<b>155</b>	237	3.6	9.03			<b>B5/B14</b>	4137	16077		<b>73</b>	693	1.4		19.24			<b>B5/B14</b>	6077	23000
	<b>141</b>	259	3.5	9.90			<b>B5/B14</b>	4338	16841		<b>59</b>	849	1.4		23.57			<b>B5/B14</b>	6170	23000
	<b>124</b>	295	3.0	11.27			<b>B5/B14</b>	4634	17974		<b>57</b>	891	1.3		24.75			<b>B5/B14</b>	6246	23000
	<b>107</b>	342	2.6	13.06			<b>B5/B14</b>	4988	19337		<b>54</b>	930	1.5		25.81		<b>B5/B14</b>	6433	23000	
	<b>96</b>	382	2.4	14.58			<b>B5/B14</b>	5261	20400		<b>48</b>	1040	1.3		28.88		<b>B5/B14</b>	6663	23000	
	<b>83</b>	440	2.3	16.81			<b>B5/B14</b>	5625	21833		<b>40</b>	1250	1.3		34.71		<b>B5/B14</b>	6728	23000	
	<b>73</b>	504	2.0	19.24			<b>B5/B14</b>	5979	23000		<b>37</b>	1369	1.2		38.01		<b>B5/B14</b>	6834	23000	
	<b>59</b>	617	1.9	23.57			<b>B5/B14</b>	6516	23000		<b>33</b>	1500	1.1		42.53		<b>B5/B14</b>	6801	23000	
	<b>57</b>	648	1.9	24.75			<b>B5/B14</b>	6644	23000		<b>30</b>	1648	1.0		46.73		<b>B5/B14</b>	6701	23000	
	<b>54</b>	676	2.1	25.81			<b>B5/B14</b>	6753	23000		<b>27</b>	1809	0.9		51.30					
	<b>48</b>	756	1.9	28.88		<b>B5/B14</b>	7039	23000								<b>ITS942</b>	<b>B5/B14</b>	5157	19427	
	<b>40</b>	909	1.8	34.71	<b>B5/B14</b>	7474	23000		<b>177</b>	285	5.3	7.93		<b>B5/B14</b>	5711		21458			
	<b>37</b>	996	1.7	38.01	<b>B5/B14</b>	7663	23000		<b>146</b>	345	4.3	9.59		<b>B5/B14</b>	6041		22671			
	<b>33</b>	1091	1.5	42.53	<b>B5/B14</b>	7928	23000		<b>131</b>	384	4.4	10.67		<b>B5/B14</b>	6372		23896			
	<b>30</b>	1199	1.4	46.73	<b>B5/B14</b>	8071	23000		<b>118</b>	426	4.0	11.82		<b>B5/B14</b>	6667		24990			
	<b>27</b>	1316	1.3	51.30	<b>B5/B14</b>	8173	23000		<b>108</b>	465	4.3	12.91		<b>B5/B14</b>	7002		26238			
	<b>23</b>	1550	1.1	60.44	<b>B5/B14</b>	8224	23000		<b>98</b>	512	3.9	14.21		<b>B5/B14</b>	7405		27755			
	<b>21</b>	1697	1.0	66.15	<b>B5/B14</b>	8162	23000		<b>88</b>	573	4.2	15.91		<b>B5/B14</b>	7720		28952			
									<b>81</b>	624	3.8	17.33		<b>B5/B14</b>	8095		30386			
	<b>98</b>	372	5.4	14.21	<b>ITS942</b>	<b>B5/B14</b>	7155	26580		<b>73</b>	689	3.6	19.13		<b>B5/B14</b>		8864	31000		
	<b>88</b>	417	5.8	15.91		<b>B5/B14</b>	7589	28163		<b>60</b>	840	3.0	23.32		<b>B5/B14</b>		9782	31000		
	<b>81</b>	454	5.3	17.33		<b>B5/B14</b>	7931	29417		<b>48</b>	1060	2.5	29.42		<b>B5/B14</b>		10029	31000		
	<b>73</b>	501	5.0	19.13		<b>B5/B14</b>	8340	30929		<b>45</b>	1129	2.7	31.35		<b>B5/B14</b>	10899	31000			
	<b>60</b>	611	4.1	23.32		<b>B5/B14</b>	9201	31000		<b>35</b>	1426	2.1	39.60		<b>B5/B14</b>	11198	31000			
	<b>48</b>	771	3.5	29.42		<b>B5/B14</b>	10268	31000		<b>32</b>	1558	1.7	43.25		<b>B5/B14</b>	11513	31000			
	<b>45</b>	821	3.7	31.35		<b>B5/B14</b>	10567	31000		<b>29</b>	1727	1.6	47.95		<b>B5/B14</b>	11889	31000			
	<b>35</b>	1037	2.9	39.60		<b>B5/B14</b>	11677	31000		<b>26</b>	1884	1.7	53.43		<b>B5/B14</b>	12076	31000			
	<b>32</b>	1133	2.4	43.25		<b>B5/B14</b>	12093	31000		<b>24</b>	2053	1.6	58.22		<b>B5/B14</b>	12231	31000			
	<b>29</b>	1256	2.1	47.95		<b>B5/B14</b>	12567	31000		<b>22</b>	2276	1.4	64.53		<b>B5/B14</b>	12289	31000			
	<b>26</b>	1370	2.3	53.43		<b>B5/B14</b>	13113	31000		<b>20</b>	2483	1.2	70.40		<b>B5/B14</b>	12262	31000			
	<b>24</b>	1493	2.1	58.22		<b>B5/B14</b>	13478	31000		<b>18</b>	2716	1.1	77.00							
	<b>22</b>	1655	1.9	64.53	<b>B5/B14</b>	13882	31000							<b>ITS943</b>	<b>B5/B14</b>	14785	31000			
	<b>20</b>	1806	1.7	70.40	<b>B5/B14</b>	14184	31000								<b>B5/B14</b>	14800	31000			
	<b>18</b>	1975	1.5	77.00	<b>B5/B14</b>	14446	31000								<b>B5/B14</b>	14723	31000			
	<b>15</b>	2412	1.3	94.05											<b>B5/B14</b>	14473	31000			
	<b>14</b>	2563	1.2	99.94																
	<b>13</b>	2807	1.1	109.42																
	<b>12</b>	3103	1.0	121.00																
<b>7.5</b>									<b>7.5</b>											
									132MA4 (1400 min <sup>-1</sup> )	<b>247</b>	278	1.8	5.66	<b>ITS922</b>	<b>B5/B14</b>	2734	9917			
									<b>198</b>	347	1.4	7.06	<b>B5/B14</b>		<b>B5/B14</b>	3025	11008			
									<b>167</b>	411	1.2	8.37	<b>B5/B14</b>		<b>B5/B14</b>	3253	11892			
									<b>153</b>	448	1.4	9.13	<b>B5/B14</b>		<b>B5/B14</b>	3369	12357			
									<b>134</b>	512	1.3	10.43	<b>B5/B14</b>		<b>B5/B14</b>	3542	13078			
									<b>116</b>	592	1.1	12.04	<b>B5/B14</b>		<b>B5/B14</b>	3717	13857			
									<b>104</b>	663	1.1	13.50	<b>B5/B14</b>		<b>B5/B14</b>	3843	14469			
									<b>90</b>	761	1.0	15.50	<b>B5/B14</b>		<b>B5/B14</b>	3972	15188			
									<b>79</b>	875	1.0	17.81	<b>B5/B14</b>		<b>B5/B14</b>	4066	15869			







Dati tecnici



Technical data



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

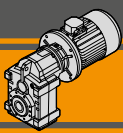
P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]	
<b>9.2</b>									
132L4 (1400 min <sup>-1</sup> )	<b>247</b>	341	1.5	5.66	ITS922	<b>B5/B14</b>	2666	9762	
	<b>198</b>	425	1.2	7.06			2928	10789	
	<b>167</b>	504	1.0	8.37			3125	11607	
	<b>153</b>	550	1.2	9.13			3222	12030	
	<b>134</b>	629	1.0	10.43			3361	12676	
<b>228</b>	370	2.3	6.13	ITS932	<b>B5/B14</b>	3186	12696		
<b>183</b>	461	1.8	7.65			3534	14108		
<b>155</b>	544	1.6	9.03			3804	15229		
<b>141</b>	596	1.5	9.90			3952	15864		
<b>124</b>	679	1.3	11.27			4161	16779		
<b>107</b>	787	1.1	13.06			4390	17835		
<b>96</b>	878	1.0	14.58			4550	18619		
<b>83</b>	1012	1.0	16.81			4734	19612		
<b>177</b>	477	3.1	7.93			ITS942	<b>B5/B14</b>	5007	19086
<b>146</b>	578	2.6	9.59					5508	20999
<b>131</b>	643	2.6	10.67					5800	22130
<b>118</b>	712	2.4	11.82					6089	23262
<b>108</b>	778	2.6	12.91	6342	24263				
<b>98</b>	856	2.3	14.21	6623	25394				
<b>88</b>	958	2.5	15.91	6952	26750				
<b>81</b>	1044	2.3	17.33	7202	27805				
<b>73</b>	1153	2.2	19.13	7488	29048				
<b>60</b>	1405	1.8	23.32	8034	31000				
<b>48</b>	1773	1.5	29.42	8582	31000				
<b>45</b>	1889	1.6	31.35	8703	31000				
<b>35</b>	2386	1.3	39.60	8979	31000				
<b>32</b>	2606	1.0	43.25	8990	31000				
<b>29</b>	2889	0.9	47.95	8914	31000				
<b>26</b>	3152	1.0	53.43	8869	31000				

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

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]
<b>15.0</b>								
160L4 (1400 min <sup>-1</sup> )	<b>228</b>	603	1.4	6.13	ITS932	<b>B5</b>	2984	12177
	<b>183</b>	752	1.1	7.65			3248	13377
	<b>155</b>	887	1.0	9.03			3432	14283
<b>177</b>	779	1.9	7.93	ITS942	<b>B5</b>	4771	18551	
<b>146</b>	942	1.6	9.59			5189	20280	
<b>131</b>	1048	1.6	10.67			5423	21282	
<b>118</b>	1161	1.5	11.82			5646	22267	
<b>108</b>	1268	1.6	12.91			5832	23124	
<b>98</b>	1396	1.4	14.21			6028	24070	
<b>88</b>	1563	1.5	15.91			6242	25174	
<b>81</b>	1702	1.4	17.33			6389	26006	
<b>73</b>	1879	1.3	19.13			6537	26950	
<b>60</b>	2291	1.1	23.32			6733	28729	

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]
<b>18.5</b>								
180M4 (1400 min <sup>-1</sup> )	<b>177</b>	960	1.6	7.93	ITS942	<b>B5</b>	4629	18228
	<b>146</b>	1162	1.3	9.59			4997	19846
	<b>131</b>	1292	1.3	10.67			5196	20770
	<b>118</b>	1432	1.2	11.82			5378	21667
	<b>108</b>	1564	1.3	12.91			5524	22436
	<b>98</b>	1722	1.2	14.21			5670	23271
	<b>88</b>	1927	1.2	15.91			5814	24224
	<b>81</b>	2099	1.1	17.33			5898	24920
<b>73</b>	2318	1.1	19.13	5963	25685			

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			R <sub>2 U</sub> [N]	R <sub>2 P</sub> [N]
<b>22.0</b>								
180L4 (1400 min <sup>-1</sup> )	<b>177</b>	1142	1.3	7.93	ITS942	<b>B5</b>	4487	17905
	<b>146</b>	1382	1.1	9.59			4805	19412
	<b>131</b>	1537	1.1	10.67			4968	20258
	<b>118</b>	1703	1.0	11.82			5110	21067
	<b>108</b>	1859	1.1	12.91			5217	21749
	<b>98</b>	2048	1.0	14.21			5311	22473
	<b>88</b>	2292	1.0	15.91			5385	23273

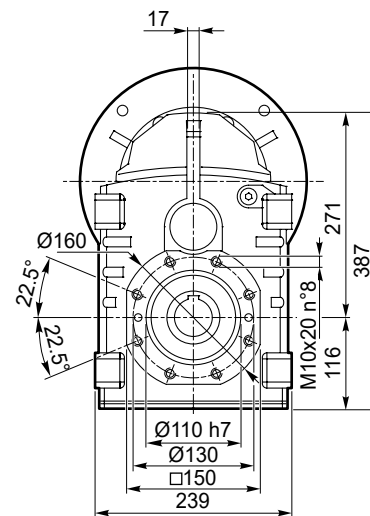
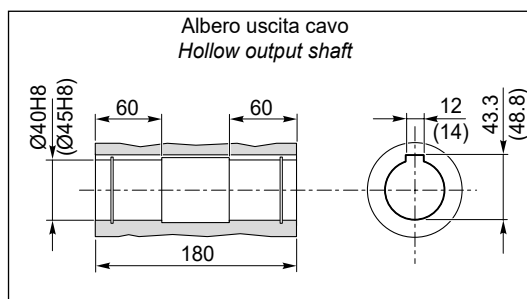
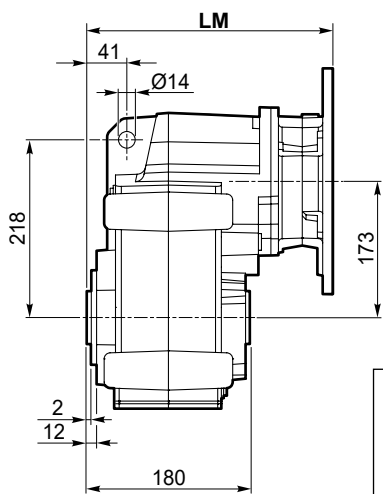


**Dimensioni**

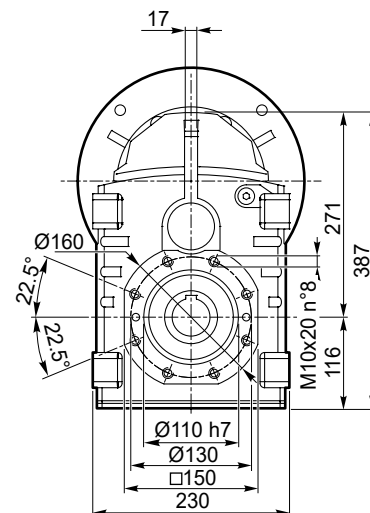
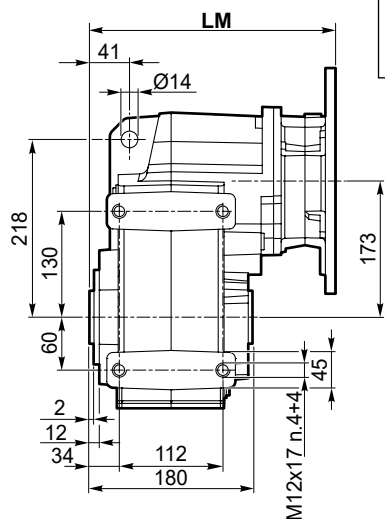
**Dimensions**

**ITS 922 - ITS 923**

**ITS 922 U  
ITS 923 U**

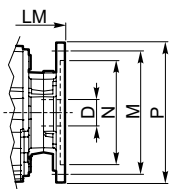


**ITS 922 P  
ITS 923 P**

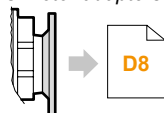


**Dimensioni IEC / IEC Dimensions**

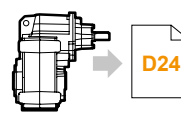
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
<b>LM</b>	282.5	282.5	282.5	287	286.5	287	307.5	
<b>N</b>	110	130	130	95	180	110	230	130
<b>M</b>	130	165	165	115	215	130	265	165
<b>P</b>	160	200	200	140	250	160	300	200
<b>D</b>	14	19	24		28		38	



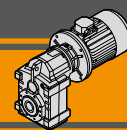
IEC Motori applicabili  
IEC Motor adapters



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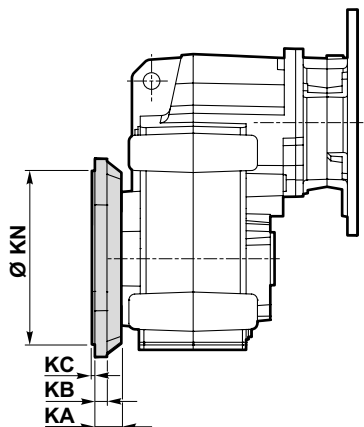


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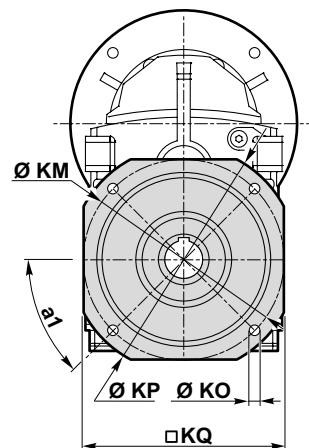
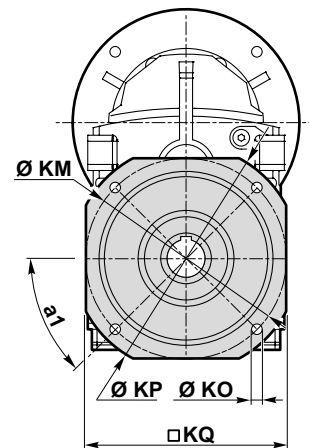
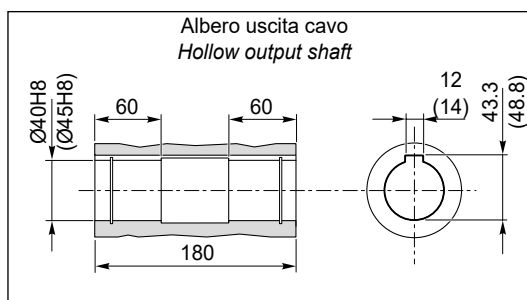
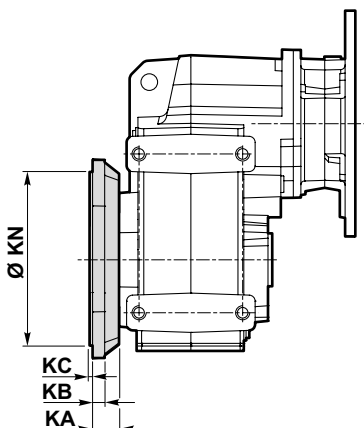
Dimensions

ITS 922 - ITS 923

ITS 922 U/F...  
ITS 923 U/F...



ITS 922 P/F...  
ITS 923 P/F...

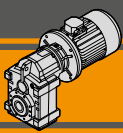


ITS

Versione F / F Version											
ITS	KA	a <sub>1</sub>	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

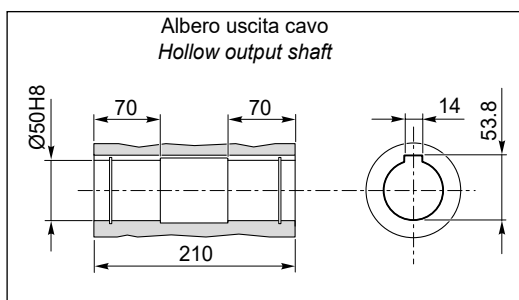
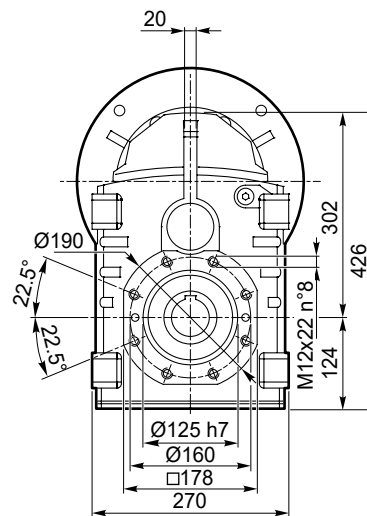
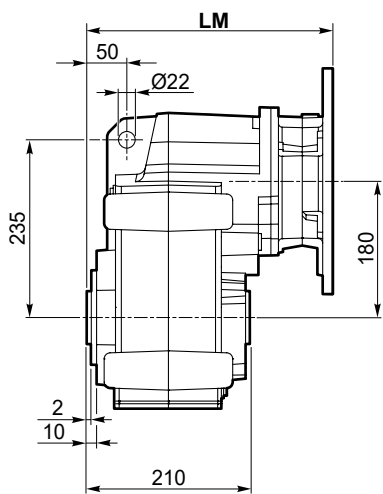


**Dimensioni**

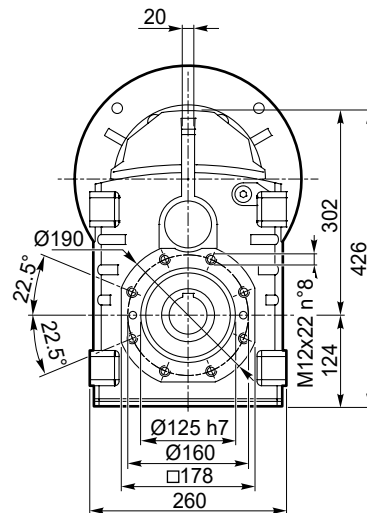
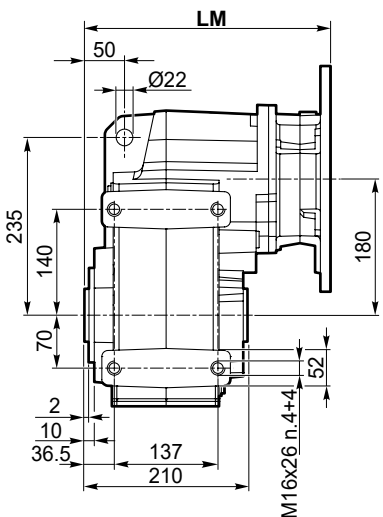
**Dimensions**

**ITS 932 - ITS 933**

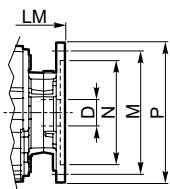
**ITS 932 U**  
**ITS 933 U**



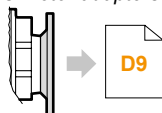
**ITS 932 P**  
**ITS 933 P**



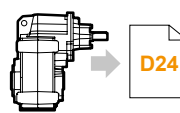
Dimensioni IEC / IEC Dimensions									
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5
<b>LM</b>	297.5	297.5	297.5	302	301.5	302	322.5		372.5
<b>N</b>	110	130	130	95	180	110	230	130	250
<b>M</b>	130	165	165	115	215	130	265	165	300
<b>P</b>	160	200	200	140	250	160	300	200	350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



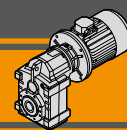
IEC Motori applicabili  
IEC Motor adapters



ITSIS..







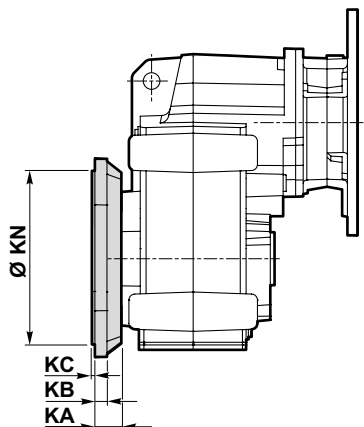
Dimensioni

Dimensions

ITS 932 - ITS 933

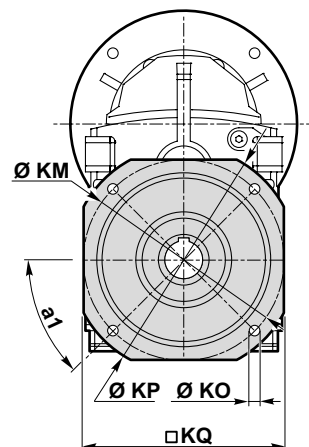
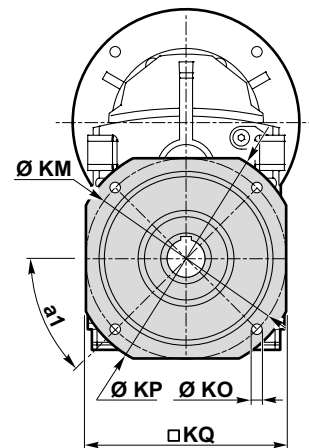
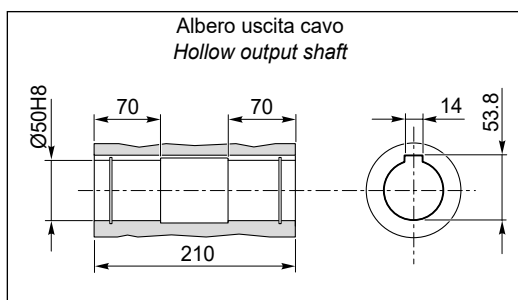
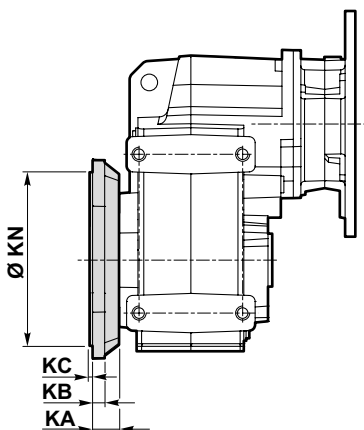
ITS 932 U/F...

ITS 933 U/F...



ITS 932 P/F...

ITS 933 P/F...

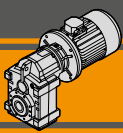


ITS

Versione F / F Version											
ITS	KA	a <sub>1</sub>	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

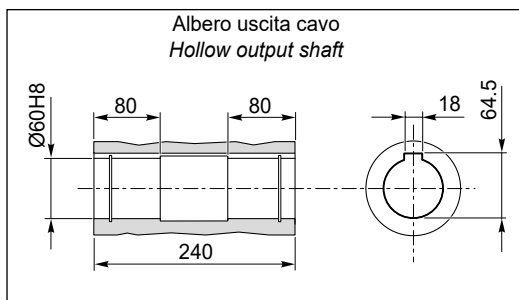
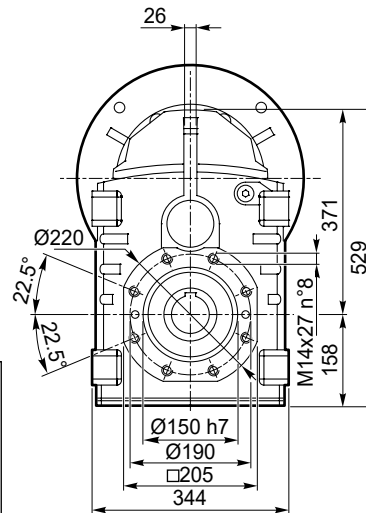
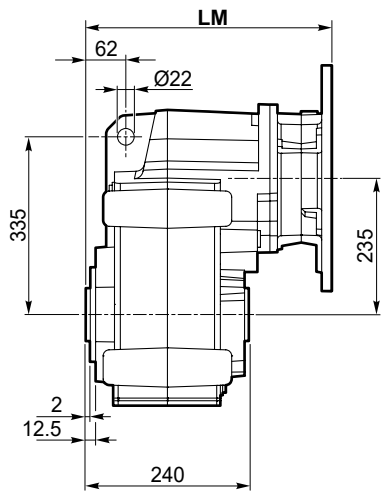


**Dimensioni**

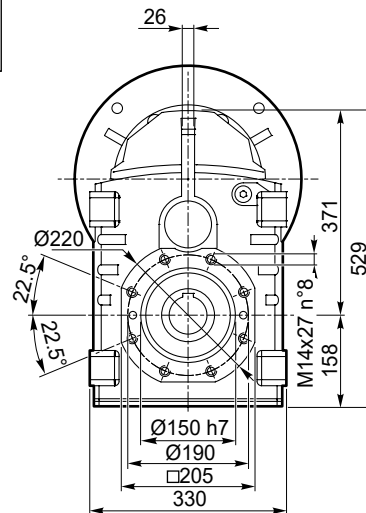
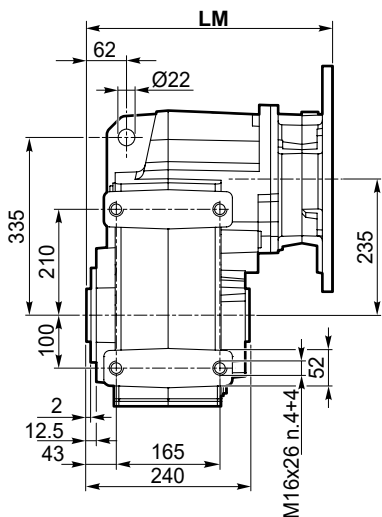
**Dimensions**

**ITS 942 - ITS 943**

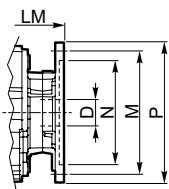
**ITS 942 U  
ITS 943 U**



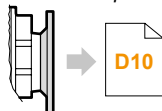
**ITS 942 P  
ITS 943 P**



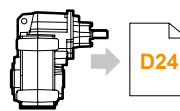
Dimensioni IEC / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
<b>LM</b>	325.5	325.5	330	329.5	330	350.5		400.5	400.5
<b>N</b>	130	130	95	180	110	230	130	250	250
<b>M</b>	165	165	115	215	130	265	165	300	300
<b>P</b>	200	200	140	250	160	300	200	350	350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

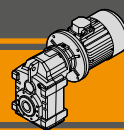


IEC Motori applicabili  
IEC Motor adapters



ITSIS..





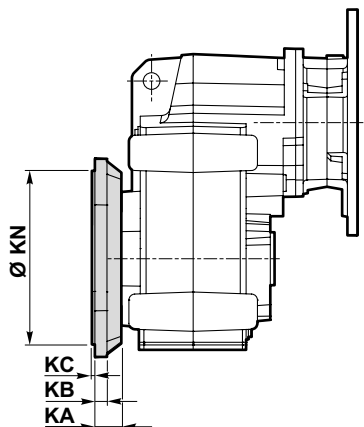
Dimensioni

Dimensions

ITS 942 - ITS 943

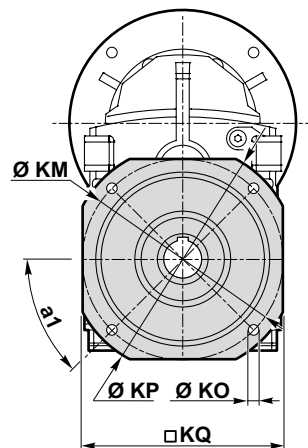
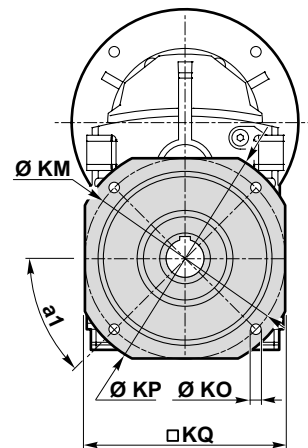
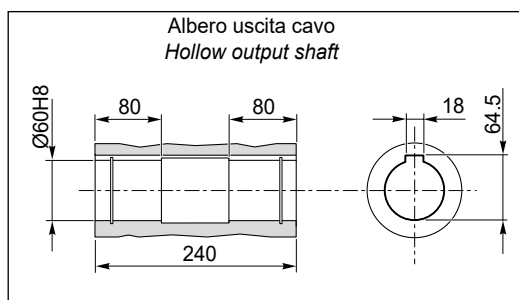
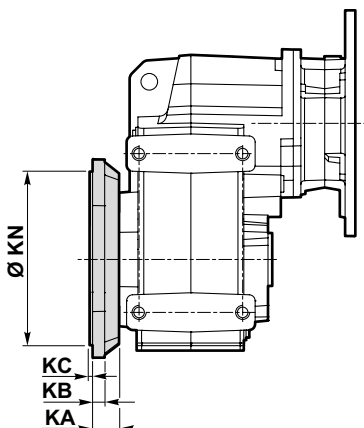
ITS 942 U/F...

ITS 943 U/F...



ITS 942 P/F...

ITS 943 P/F...

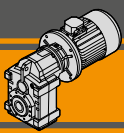


ITS

Versione F / F Version											
ITS	KA	a <sub>1</sub>	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	-	-	

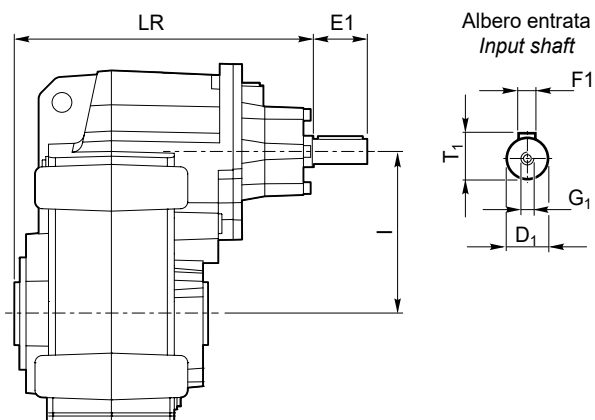
Nota: peso del riduttore complessivo di olio per la posizione M1 (B3)  
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



**Dimensioni**

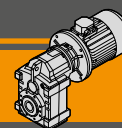
**Dimensions**

ITSIS...



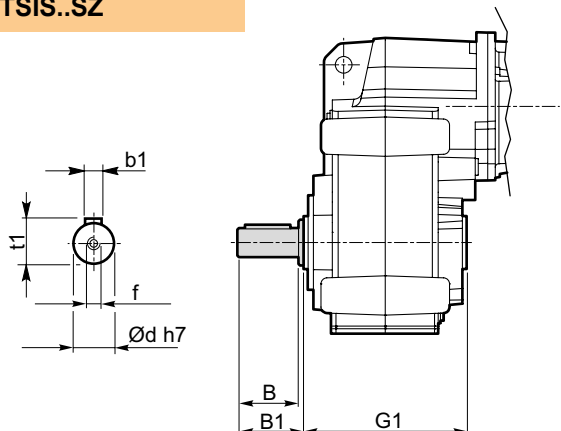
ITSIS	Versione Version	LR	D1	E1	I	T1	F1	G1
922	U P U/F... P/F...	315	28	60	173	31	8	M10
923		315	28	60	173	31	8	M10
932		330	28	60	180	31	8	M10
933		330	28	60	180	31	8	M10
942		375.5	38	80	235	41	10	M12
943		358	28	60	235	31	8	M10

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



Albero lento / Output shaft

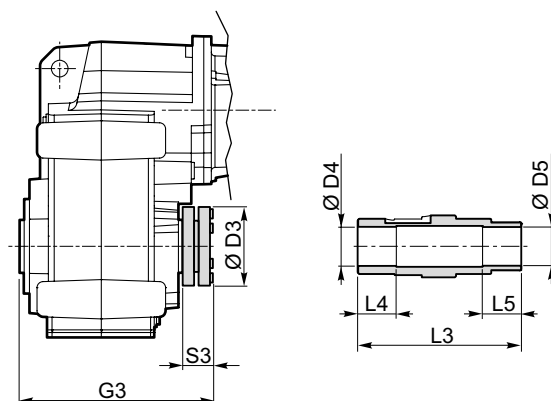
ITS...SZ  
ITSIS..SZ



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

Albero lento con calettatore / Output shaft with shrink disk

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



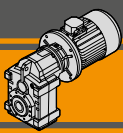
Albero lento con calettatore / Output shaft with shrink disk

ITS	D3	D4 H8	D5 H8	G3	L3	L4	L5	S3	G4	
<b>922/3</b>	<b>G40</b>	100	41	40	217.5	215	45	45	34.5	90
	<b>G45</b>	100	46	45	217.5	215	45	45	34.5	90
<b>932/3</b>	<b>G50</b>	110	51	50	247.5	245	50	50	34.5	105
<b>942/3</b>	<b>G60</b>	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.

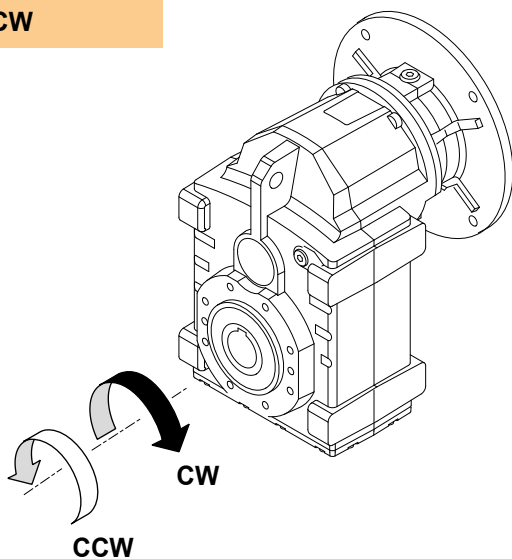
Output shaft kit with shrink disk available on request:  
for assembly instructions please contact our Technical Service





Dispositivo antiretro / Backstop device

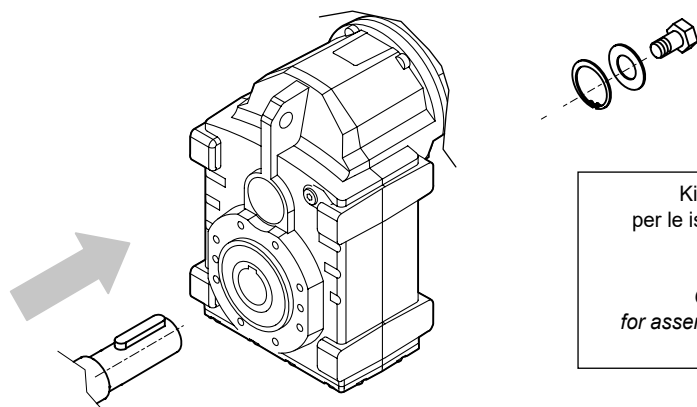
ITS...CW  
ITS...CCW



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.*

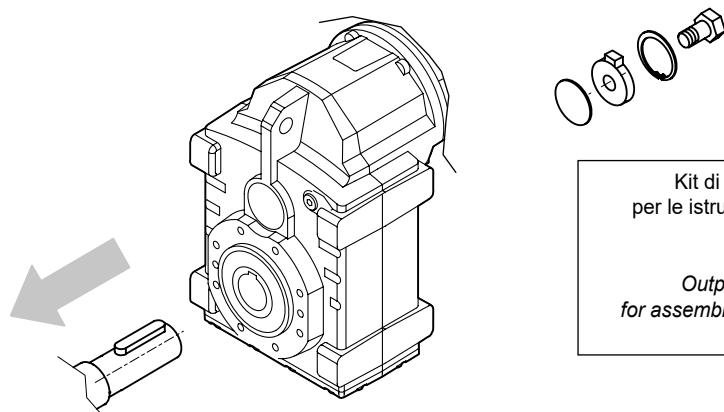
Kit di montaggio albero uscita / Output shaft assembly kit



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

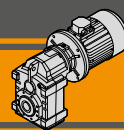
*Output shaft assembly kit available upon request: for assembly instructions please contact our Technical Assistance*  
**Screws not provided**

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**

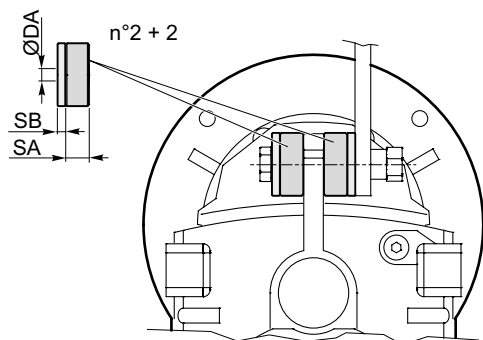
*Output shaft disassembly kit available upon request: for assembly instructions please contact our Technical Assistance*  
**Screws not provided**



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
<b>922</b> <b>923</b>	13	15	5
<b>932</b> <b>933</b>	21	30	10
<b>942</b> <b>943</b>	21	30	10







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