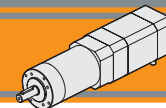




Motoriduttori brushless CC epicicloidali
Brushless DC planetary gearmotors

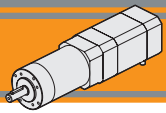




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PM62 con motore brushless BL 070.480	<i>PM62 with brushless motor BL 070.480</i>	BF8
PM62 con motore brushless BL 070.48.80	<i>PM62 with brushless motor BL 070.48.80</i>	BF10
PM62 con motore brushless BL 140.480	<i>PM62 with brushless motor BL 140.480</i>	BF12
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PM72 con motore brushless BL 070.480	<i>PM72 with brushless motor BL 070.480</i>	BF14
PM72 con motore brushless BL 070.48.80	<i>PM72 with brushless motor BL 070.48.80</i>	BF16
PM72 con motore brushless BL 140.480	<i>PM72 with brushless motor BL 140.480</i>	BF18
PM81 con motore brushless BL 140.480	<i>PM81 with brushless motor BL 140.480</i>	BF20
PM81 con motore brushless BL 200.48.95	<i>PM81 with brushless motor BL 200.48.95</i>	BF22
PM81 con motore brushless BL 210.480	<i>PM81 with brushless motor BL 210.480</i>	BF24
PM105 con motore brushless BL 200.48.95	<i>PM105 with brushless motor BL 200.48.95</i>	BF26
PM105 con motore brushless BL 210.480	<i>PM105 with brushless motor BL 210.480</i>	BF28
PM105 con motore brushless BL 400.48.120	<i>PM105 with brushless motor BL 400.48.120</i>	BF30
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Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

Caratteristiche tecniche

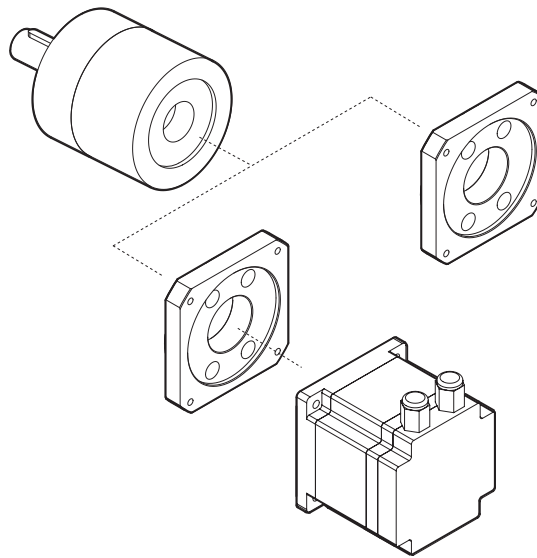
Technical features

Le caratteristiche principali dei motoriduttori brushless CC epicicloidali della serie PM sono:

- Alimentazione in bassa tensione 24/36/48 Vcc
- Motore protezione IP55
- Coppie motori disponibili da 0.22 Nm a 4.2 Nm
- Lubrificazione permanente a grasso
- Completamente in metallo
- Doppio cuscinetto su albero di uscita
- Disponibili anche nella versione con solo riduttore, sia con flangia di entrata standard che con flangia e manicotto dedicati

The main features of brushless DC planetary gearmotors PM range are:


- Low voltage power supply 24/36/48 Vdc
- Motor protection IP55
- Motor torque ratings available from 0.22 Nm up to 4.2 Nm
- Permanent grease long life lubrication
- Completely made out of metal
- Double ball bearing on output shaft
- Gearbox only version also available, with either standard input flange or customized flange and coupling



Designazione

Classification

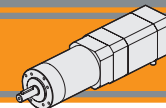
RIDUTTORE / GEARBOX			
PM	52	2	46
Tipo Type	Grandezza Size	Stadi riduttore Gearbox stages	Rapporto in Ratio in
PM	52	1	Vedere tabelle See tables
	62		
	72		
	81		
	105		
	120	3	

MOTORE / MOTOR		
BL070.480	48V	BR
Tipo Type	Tensione Voltage	Freno Brake
BLS022.240	24V-36V	24V
BLS043.240	24V-36V	48V
BL070.240	24V	
BL070.24B	24V	
BL070.48B	48V	
BL070.480	48V	
BL070.48.80	24V-48V	
BL140.480	48V	
BL200.48.95	24V-48V	
BL210.480	24V-48V	
BL210.48E	48V	
BL400.48.120	48V	

Simbologia

Symbols

Ns	n° stadi / No. stages	Mn ₂	[Nm]	Coppia nominale in uscita in funzione di Pn1 Nominal output torque referred to Pn1
ir	rapporto reale / real ratio	V	[V]	Tensione / Voltage
M ₂	[Nm] coppia in uscita output torque	n _{1MAX}	[Rpm]	Velocità max entrata / Max input speed
Rd	rendimento dinamico / efficiency	n ₂	[Rpm]	Velocità in uscita / Output Speed
A ₂	[N] Carico assiale ammissibile in uscita Permitted output axial load	IP		Grado di protezione / Enclosure protection
R ₂	[N] Carico radiale ammissibile in uscita Permitted output radial load	Kg		Peso / Weight
Pn ₁	[kW] Potenza nominale in entrata Nominal input power	sf		Fattore di servizio / Service Factor



Lubrificazione e temperatura

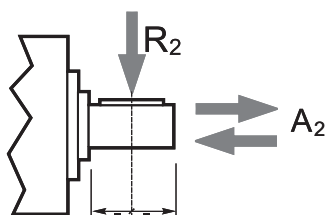
Lubrication and temperature

I motoriduttori epicicloidali PM sono lubrificati in modo permanente, non richiedono quindi ulteriore manutenzione. Questo gli consente di essere installati praticamente ovunque. Temperatura ambiente 0 ÷ 40 °C (in assenza di congelamento ed in assenza di condensa). Per temperature diverse, contattare nostro UT.

Planetary PM gearmotors are life-time lubricated with grease, therefore they are maintenance free. They can be installed in any location. Ambient temperature 0 ÷ 40 °C (in the absence of freezing and condensation). For temperature outside this range please contact our technical dept.

Carichi radiali

Radial loads



Numero di stadi N° of stages	Carichi Radiali R ₂ [N] / Radial Load R ₂ [N]					
	PM52	PM62	PM72	PM81	PM105	PM120
1	200	240	320	400	600	600
2	320	360	480	600	900	900
3	450	520	760	1000	1500	1500

Numero di stadi N° of stages	Carichi Assiali A ₂ [N] / Axial Load A ₂ [N]					
	PM52	PM62	PM72	PM81	PM105	PM120
1	60	70	70	80	120	120
2	100	100	100	120	180	180
3	150	150	160	200	300	300

Rapporti

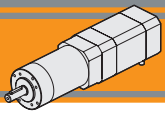
Ratios

Numero di stadi Stages number	Per tutte le grandezze di riduttori della serie PM For all gearbox sizes of PM range
	Rapporti / Ratios
1	3.70
	4.28*
	5.18*
	6.75
2	13.73
	15.88*
	18.36*
	19.20*
	22.20*
	25.01
	26.85*
	28.93*
	34.97*
	45.56
3	50.89
	58.85*
	68.06*
	71.16*
	78.71*
	92.70
	95.17*
	99.50*
	107.20*
	115.07*
	123.97*
	129.62*
	139.13*
	149.90*
	168.84
	181.24*
195.26*	
236.09*	
307.54	

Rapporti preferenziali per le taglie PM52, PM62 e PM81
Preferred ratios for PM52, PM62 e PM81.

Disponibile a 4 stadi con rapporti fino a 2076
Available 4 stages with ratio up to 2076

*: Rapporto non disponibile per PM120
Ratio not available for PM120



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM52 con motore brushless

PM52 with brushless motor

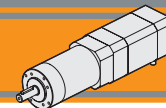
PM52			BLS022.240														
			24V						36V								
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf			
1	3.7	4	81	0.7	9.0	811	0.7	6.1	3000	108	0.7	9.0	1081	0.7	5.4	4000	
	4.28	4	70	0.8	7.8	701	0.8	5.3		93	0.8	7.8	935	0.8	4.7		
	5.18	5	58	0.9	6.4	579	0.9	4.4		77	0.9	6.4	772	0.9	3.9		
	6.75	7	44	1.2	4.9	444	1.2	3.3		59	1.2	4.9	593	1.2	3.0		
2	13.73	14	22	2.3	7.6	218	2.3	5.2		29	2.3	7.6	291	2.3	4.6		
	15.88	16	19	2.6	6.6	189	2.6	4.5		25	2.6	6.6	252	2.6	4.0		
	18.36	18	16	3.0	5.7	163	3.0	3.9		22	3.0	5.7	218	3.0	3.4		
	19.2	19	16	3.2	5.4	156	3.2	3.7		21	3.2	5.4	208	3.2	3.3		
	22.2	22	14	3.7	4.7	135	3.7	3.2		18	3.7	4.7	180	3.7	2.8		
	25.01	25	12	4.1	4.2	120	4.1	2.8		16	4.1	4.2	160	4.1	2.5		
	26.9	27	11	4.4	3.9	112	4.4	2.6		15	4.4	3.9	149	4.4	2.3		
	28.9	29	10	4.8	3.6	104	4.8	2.5		14	4.8	3.6	138	4.8	2.2		
	35.0	35	8.6	5.8	3.0	86	5.8	2.0		11	5.8	3.0	114	5.8	1.8		
	45.6	46	6.6	7.5	2.3	66	7.5	1.6		8.8	7.5	2.3	88	7.5	1.4		
	3	50.9	51	5.9	8	4.7	59	7.8		3.2	7.9	8	4.7	79	7.8		2.8
		58.9	59	5.1	9	4.1	51	9.1		2.8	6.8	9	4.1	68	9.1		2.4
68.06		68	4.4	10	3.5	44	10	2.4	5.9	10	3.5	59	10	2.1			
71.2		71	4.2	11	3.4	42	11	2.3	5.6	11	3.4	56	11	2.0			
78.7		79	3.8	12	3.0	38	12	2.1	5.1	12	3.0	51	12	1.8			
92.7		93	3.2	14	2.6	32	14	1.7	4.3	14	2.6	43	14	1.5			
95.2		95	3.2	15	2.5	32	15	1.7	4.2	15	2.5	42	15	1.5			
99.5		100	3.0	15	2.4	30	15	1.6	4.0	15	2.4	40	15	1.4			
107.2		107	2.8	17	2.2	28	17	1.5	3.7	17	2.2	37	17	1.3			
115.07		115	2.6	18	2.1	26	18	1.4	3.5	18	2.1	35	18	1.2			
123.97		124	2.4	19	1.9	24	19	1.3	3.2	19	1.9	32	19	1.2			
129.62		130	2.3	20	1.8	23	20	1.3	3.1	20	1.8	31	20	1.1			
139.13		139	2.2	21	1.7	22	21	1.2	2.9	21	1.7	29	21	1.0			
149.9		150	2.0	23	1.6	20	23	1.1	2.7	23	1.6	27	23	1.0			
168.84		169	1.8	26	1.4	18	26	1.0	2.4	26	1.4	24	26	0.8			
181.24		181	1.7	28	1.3	17	28	0.9	2.2	28	1.3	22	28	0.8			
195.26		195	1.5	30	1.2	15	30	0.8	2.0	30	1.2	20	30	0.7			
236.09		236	1.3	36	1.0	13	36	0.7	1.7	36	1.0	17	31	0.7			
307.54	308	1.0	47	0.8	9.8	36	0.7	1.3	47	0.8	13	31	0.7				

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM52 con motore brushless CC

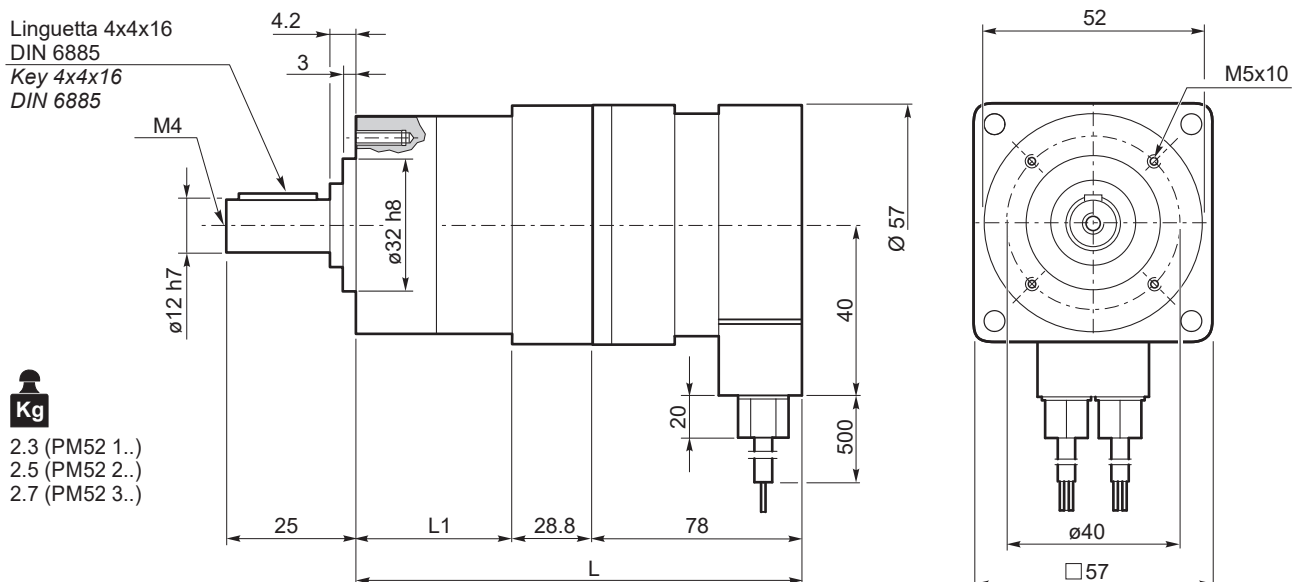
PM52 with brushless DC motor

Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BLS022.240	4	3	36	4000	0.22	92
			24	3000		70
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [ohm]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BLS022.240	0.44	3.7	0.64	3.1	7.4	0.72

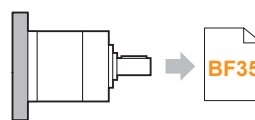
Azionamenti
Drives



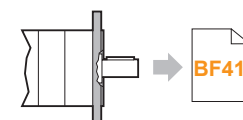
PM52.. + BLS022.240



PM52	BLS022.240	
	Ns	L
	1	154.0
	2	168.1
	3	182.4



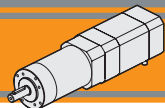
PM52.. AS...



PM52.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali Brushless DC planetary gearmotors

PM52 con motore brushless CC

PM52 with brushless DC motor

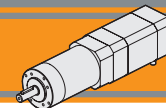
PM52			BLS043.240														
			24V						36V								
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf			
1	3.7	4	81	1.3	4.6	811	1.3	3.1	3000	108	1.3	4.6	1081	1.3	2.8	4000	
	4.28	4	70	1.5	4.0	701	1.5	2.7		93	1.5	4.0	935	1.5	2.4		
	5.18	5	58	1.8	3.3	579	1.8	2.2		77	1.8	3.3	772	1.8	2.0		
	6.75	7	44	2.3	2.5	444	2.3	1.7		59	2.3	2.5	593	2.3	1.5		
2	13.73	14	22	4.4	3.9	218	4.4	2.6		29	4.4	3.9	291	4.4	2.3		
	15.88	16	19	5.1	3.4	189	5.1	2.3		25	5.1	3.4	252	5.1	2.0		
	18.36	18	16	5.9	2.9	163	5.9	2.0		22	5.9	2.9	218	5.9	1.7		
	19.2	19	16	6.2	2.8	156	6.2	1.9		21	6.2	2.8	208	6.2	1.7		
	22.2	22	14	7.2	2.4	135	7.2	1.6		18	7.2	2.4	180	7.2	1.4		
	25.01	25	12	8.1	2.1	120	8.1	1.5		16	8.1	2.1	160	8.1	1.3		
	26.9	27	11	8.7	2.0	112	8.7	1.4		15	8.7	2.0	149	8.7	1.2		
	28.9	29	10	9.3	1.8	104	9.3	1.3		14	9.3	1.8	138	9.3	1.1		
	35.0	35	8.6	11	1.5	86	11.3	1.0		11	11	1.5	114	11	0.9		
	45.6	46	6.6	15	1.2	66	14.7	0.8		8.8	15	1.2	88	15	0.7		
	3	50.9	51	5.9	15	2.4	59	15.3		1.6	7.9	15	2.4	79	15		1.4
		58.9	59	5.1	18	2.1	51	17.7		1.4	6.8	18	2.1	68	18		1.2
68.06		68	4.4	20	1.8	44	20	1.2	5.9	20	1.8	59	20	1.1			
71.2		71	4.2	21	1.7	42	21	1.2	5.6	21	1.7	56	21	1.0			
78.7		79	3.8	24	1.6	38	24	1.1	5.1	24	1.6	51	24	0.9			
92.7		93	3.2	28	1.3	32	28	0.9	4.3	28	1.3	43	28	0.8			
95.2		95	3.2	29	1.3	32	29	0.9	4.2	29	1.3	42	29	0.8			
99.5		100	3.0	30	1.2	30	30	0.8	4.0	30	1.2	40	30	0.7			
107.2		107	2.8	32	1.1	28	32	0.8	3.7	32	1.1	37	31	0.7			
115.07		115	2.6	35	1.1	26	35	0.7	3.5	35	1.1	35	31	0.7			
123.97		124	2.4	37	1.0	24	36	0.7	3.2	37	1.0	32	31	0.7			
129.62		130	2.3	39	0.9	23	36	0.7	3.1	39	0.9	31	31	0.7			
139.13		139	2.2	42	0.9	22	36	0.7	2.9	42	0.9	29	31	0.7			
149.9		150	2.0	45	0.8	20	36	0.7	2.7	45	0.8	27	31	0.7			
168.84		169	1.8	51	0.7	18	36	0.7	2.4	51	0.7	24	31	0.7			
181.24		181	1.7	53	0.7	17	36	0.7	2.2	53	0.7	22	31	0.7			
195.26		195	1.5	53	0.7	15	36	0.7	2.0	53	0.7	20	31	0.7			
236.09		236	1.3	53	0.7	13	36	0.7	1.7	53	0.7	17	31	0.7			
307.54	308	1.0	53	0.7	9.8	36	0.7	1.3	53	0.7	13	31	0.7				

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM52 con motore brushless CC

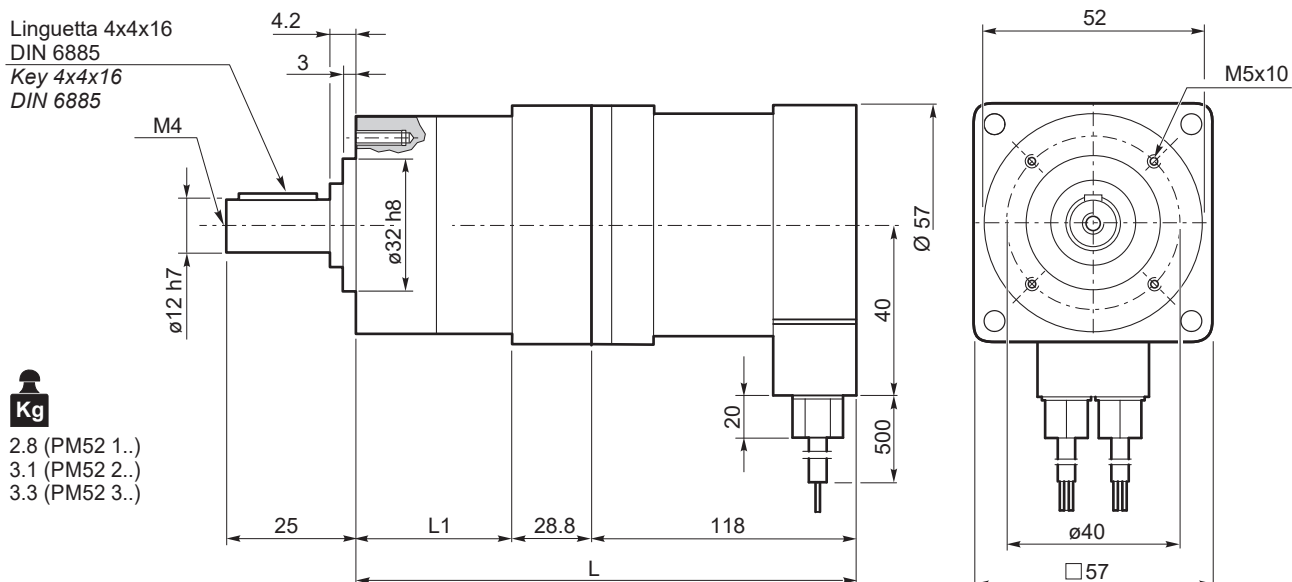
PM52 with brushless DC motor

Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BLS043.240	4	3	36	4000	0.43	180
			24	3000		130
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [ohm]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BLS043.240	0.86	6.8	0.35	1	13.6	1.25

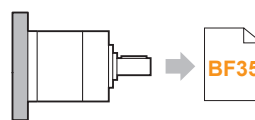
Azionamenti
Drives



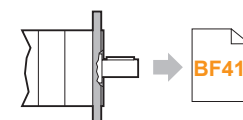
PM52.. + BLS043.240



PM52	BLS043.240		
	Ns	L1	L
	1	47.2	194.0
	2	61.3	208.1
3	75.6	222.4	



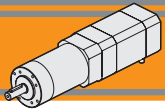
PM52.. AS...



PM52.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM62 con motore brushless CC

PM62 with brushless DC motor

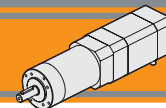
PM62			BL070.240 / BL070.24B / BL070.480 / BL070.48B							
			24V / 48V							
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			
1	3.7	4	81	2.1	5.6	811	2.1	3.8	3000	
	4.28	4	70	2.4	4.8	701	2.4	3.3		
	5.18	5	58	2.9	4.0	579	2.9	2.7		
	6.75	7	44	3.8	3.0	444	3.8	2.1		
2	13.73	14	22	7.2	5.1	218	7.2	3.5		
	15.88	16	19	8.3	4.4	189	8.3	3.0		
	18.36	18	16	9.6	3.8	163	9.6	2.6		
	19.2	19	16	10	3.7	156	10	2.5		
	22.2	22	14	12	3.2	135	12	2.1		
	25.01	25	12	13	2.8	120	13	1.9		
	26.9	27	11	14	2.6	112	14	1.8		
	28.9	29	10	15	2.4	104	15	1.6		
	35.0	35	8.6	18	2.0	86	18	1.4		
	45.6	46	6.6	24	1.5	66	24	1.0		
	3	50.9	51	5.9	25	3.0	59	25		2.0
		58.9	59	5.1	29	2.6	51	29		1.7
68.06		68	4.4	33	2.2	44	33	1.5		
71.2		71	4.2	35	2.1	42	35	1.4		
78.7		79	3.8	39	1.9	38	39	1.3		
92.7		93	3.2	45	1.6	32	45	1.1		
95.2		95	3.2	47	1.6	32	47	1.1		
99.5		100	3.0	49	1.5	30	49	1.0		
107.2		107	2.8	53	1.4	28	53	1.0		
115.07		115	2.6	56	1.3	26	56	0.9		
123.97		124	2.4	61	1.2	24	61	0.8		
129.62		130	2.3	64	1.2	23	64	0.8		
139.13		139	2.2	68	1.1	22	68	0.7		
149.9		150	2.0	73	1.0	20	71	0.7		
168.84		169	1.8	83	0.9	18	71	0.7		
181.24		181	1.7	89	0.8	17	71	0.7		
195.26	195	1.5	96	0.8	15	71	0.7			
236.09	236	1.3	105	0.7	13	71	0.7			
307.54	308	1.0	105	0.7	9.8	71	0.7			

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM62 con motore brushless CC

PM62 with brushless DC motor

Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL070.240 BL070.24B	8	3	24	3000	0.7	220
BL070.480 BL070.48B	8	3	48	3000	0.7	220
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL070.240 BL070.24B	1.4	13	0.091	0.23	26	2.1
BL070.480 BL070.48B	1.4	6.5	0.34	1.0	13	2.1

Azionamenti
Drives

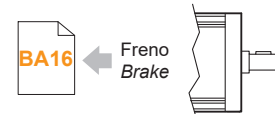
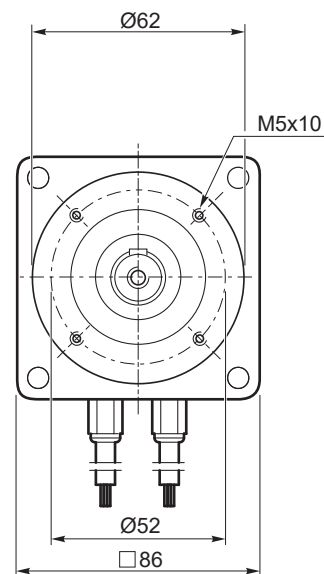
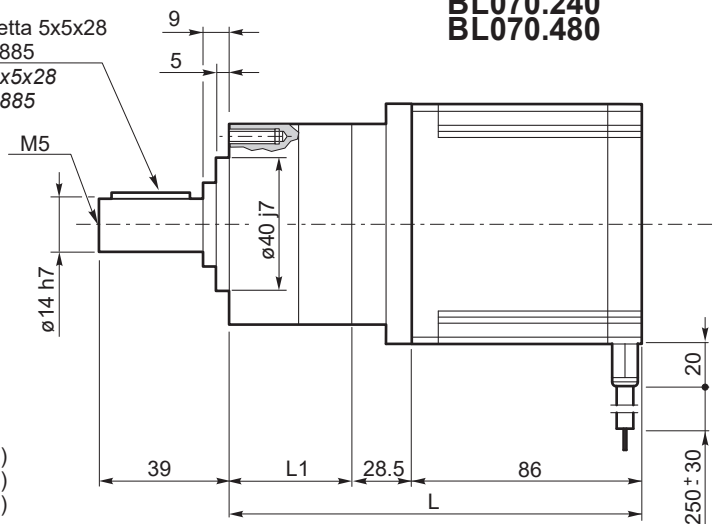


PM62..
+
BL070.240
BL070.480

Linguetta 5x5x28
DIN 6885
Key 5x5x28
DIN 6885

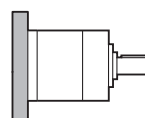


2.9 (PM62 1..)
3.3 (PM62 2..)
3.7 (PM62 3..)

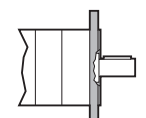


BL070.24B
BL070.48B

PM62	Ns	L1	BL 070.240 BL 070.480
			L
	1	45.3	159.8
	2	62.2	176.7
	3	79.2	193.7



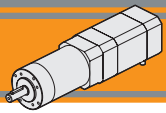
PM62.. AS...



PM62.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM62 con motore brushless CC

PM62 with brushless DC motor

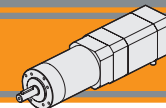
PM62			BL070.48.80														
			24V						48V								
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf			
1	3.7	4	68	2.1	5.7	676	2.1	3.9	2500	108	2.1	5.7	1081	2.1	3.4	4000	
	4.28	4	58	2.4	4.9	584	2.4	3.3		93	2.4	4.9	935	2.4	3.0		
	5.18	5	48	2.9	4.1	483	2.9	2.8		77	2.9	4.1	772	2.9	2.4		
	6.75	7	37	3.8	3.1	370	3.8	2.1		59	3.8	3.1	593	3.8	1.9		
2	13.73	14	18	7.2	5.1	182	7.2	3.5		29	7.2	5.1	291	7.2	3.1		
	15.88	16	16	8.3	4.4	157	8.3	3.0		25	8.3	4.4	252	8.3	2.7		
	18.36	18	14	9.6	3.8	136	9.6	2.6		22	9.6	3.8	218	9.6	2.3		
	19.2	19	13	10	3.7	130	10	2.5		21	10	3.7	208	10	2.2		
	22.2	22	11	12	3.2	113	12	2.1		18	12	3.2	180	12	1.9		
	25.01	25	10	13	2.8	100	13	1.9		16	13	2.8	160	13	1.7		
	26.9	27	9.3	14	2.6	93	14	1.8		15	14	2.6	149	14	1.6		
	28.9	29	8.6	15	2.4	86	15	1.6		14	15	2.4	138	15	1.5		
	35.0	35	7.1	18	2.0	71	18	1.4		11	18	2.0	114	18	1.2		
	45.6	46	5.5	24	1.5	55	24	1.0		8.8	24	1.5	88	24	0.9		
	3	50.9	51	4.9	25	3.0	49	25		2.0	7.9	25	3.0	79	25		1.8
		58.9	59	4.2	29	2.6	42	29		1.7	6.8	29	2.6	68	29		1.5
68.06		68	3.7	33	2.2	37	33	1.5		5.9	33	2.2	59	33	1.3		
71.2		71	3.5	35	2.1	35	35	1.4		5.6	35	2.1	56	35	1.3		
78.7		79	3.2	39	1.9	32	39	1.3		5.1	39	1.9	51	39	1.1		
92.7		93	2.7	45	1.6	27	45	1.1		4.3	45	1.6	43	45	1.0		
95.2		95	2.6	47	1.6	26	47	1.1	4.2	47	1.6	42	47	0.9			
99.5		100	2.5	49	1.5	25	49	1.0	4.0	49	1.5	40	49	0.9			
107.2		107	2.3	53	1.4	23	53	1.0	3.7	53	1.4	37	53	0.8			
115.07		115	2.2	56	1.3	22	56	0.9	3.5	56	1.3	35	56	0.8			
123.97		124	2.0	61	1.2	20	61	0.8	3.2	61	1.2	32	61	0.7			
129.62		130	1.9	64	1.2	19	64	0.8	3.1	64	1.2	31	61	0.7			
139.13		139	1.8	68	1.1	18	68	0.7	2.9	68	1.1	29	61	0.7			
149.9		150	1.7	73	1.0	17	68	0.7	2.7	73	1.0	27	61	0.7			
168.84		169	1.5	83	0.9	15	68	0.7	2.4	83	0.9	24	61	0.7			
181.24		181	1.4	89	0.8	14	68	0.7	2.2	89	0.8	22	61	0.7			
195.26		195	1.3	96	0.8	13	68	0.7	2.0	96	0.8	20	61	0.7			
236.09		236	1.1	105	0.7	11	68	0.7	1.7	105	0.7	17	61	0.7			
307.54	308	0.8	105	0.7	8.1	68	0.7	1.3	105	0.7	13	61	0.7				

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM62 con motore brushless CC

PM62 with brushless DC motor

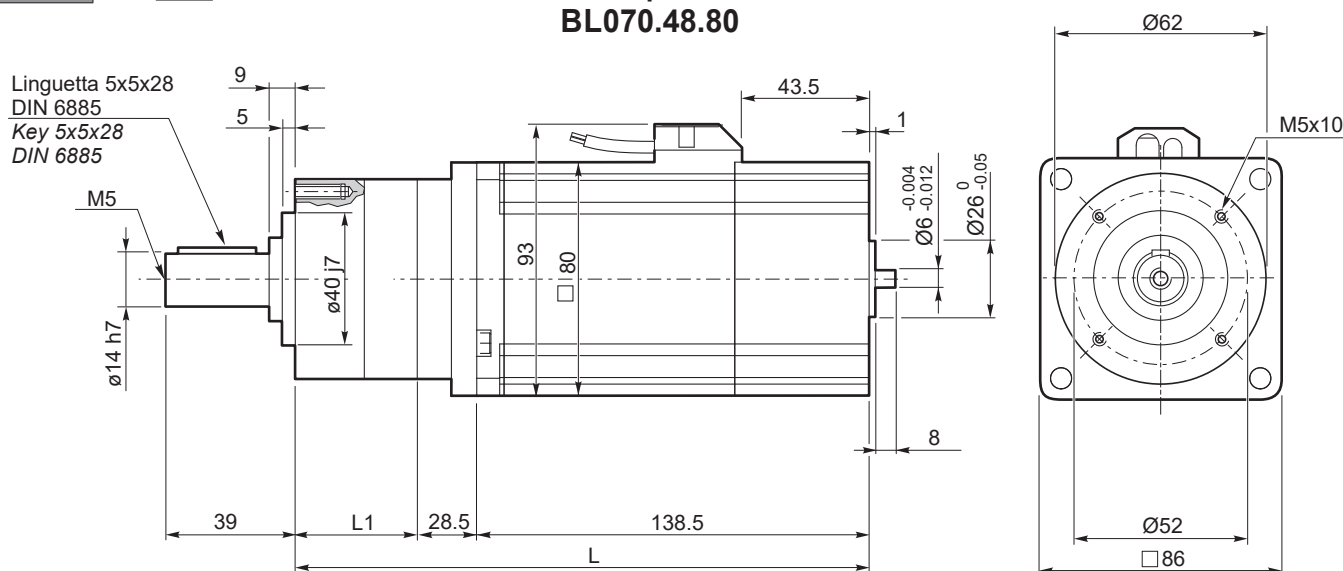
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione nominale Rated voltage [V]	Velocità nominale Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]	Coppia di picco Peak torque [Nm]
BL070.48.80	8	3	48	4350	0.7	320	1.4
			24	2500		185	

Tipo Type	Corrente nominale Rated current [A]	Corrente di picco Peak current [A]	Resistenza fase-fase Line to line resistance [Ω]	Induttanza fase-fase Line to line inductance [mH]	Costante di coppia Torque constant [Nm/A]	Costante FCEM Back EMF [V/kRPM]	Inerzia rotore Rotor inertia [gcm ²]	Peso Weight [kg]
BL070.48.80	12	36	0.072	0.304	0.1	6.15	1000	1.8

Azionamenti Drives

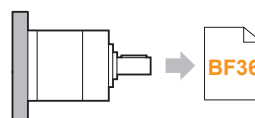


PM62.. + BL070.48.80

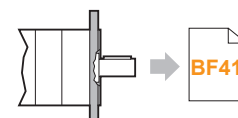


2.9 (PM62 1..)
3.3 (PM62 2..)
3.7 (PM62 3..)

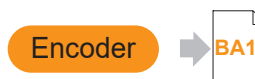
PM62	Ns	L1	BL 070.48.80	
			L	
	1	45.3	209.7	
	2	62.2	226.6	
	3	79.2	243.6	



PM62.. AS...



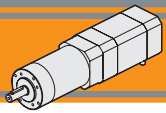
PM62.. C...



Encoder

IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM62 con motore brushless CC

PM62 with brushless DC motor

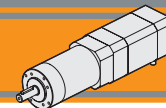
PM62			BL140.480							
			48V							
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			
1	3.7	4	81	4.1	2.8	811	4.1	1.9	3000	
	4.28	4	70	4.8	2.4	701	4.8	1.6		
	5.18	5	58	5.8	2.0	579	5.8	1.3		
	6.75	7	44	7.6	1.5	444	7.6	1.0		
2	13.73	14	22	14	2.6	218	14	1.7		
	15.88	16	19	16	2.2	189	16	1.5		
	18.36	18	16	19	1.9	163	19	1.3		
	19.2	19	16	20	1.8	156	20	1.2		
	22.2	22	14	23	1.6	135	23	1.1		
	25.01	25	12	26	1.4	120	26	1.0		
	26.9	27	11	28	1.3	112	28	0.9		
	28.9	29	10	30	1.2	104	30	0.8		
	35.0	35	8.6	37	1.0	86	36	0.7		
	45.6	46	6.6	48	0.8	66	36	0.7		
	3	50.9	51	5.9	50	1.5	59	50		1.0
		58.9	59	5.1	58	1.3	51	58		0.9
68.06		68	4.4	67	1.1	44	67	0.7		
71.2		71	4.2	70	1.1	42	70	0.7		
78.7		79	3.8	77	1.0	38	71	0.7		
92.7		93	3.2	91	0.8	32	71	0.7		
95.2		95	3.2	93	0.8	32	71	0.7		
99.5		100	3.0	98	0.8	30	71	0.7		
107.2		107	2.8	105	0.7	28	71	0.7		
115.07		115	2.6	105	0.7	26	71	0.7		
123.97		124	2.4	105	0.7	24	71	0.7		
129.62		130	2.3	105	0.7	23	71	0.7		
139.13		139	2.2	105	0.7	22	71	0.7		
149.9		150	2.0	105	0.7	20	71	0.7		
168.84		169	1.8	105	0.7	18	71	0.7		
181.24		181	1.7	105	0.7	17	71	0.7		
195.26		195	1.5	105	0.7	15	71	0.7		
236.09		236	1.3	105	0.7	13	71	0.7		
307.54	308	1.0	105	0.7	9.8	71	0.7			

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



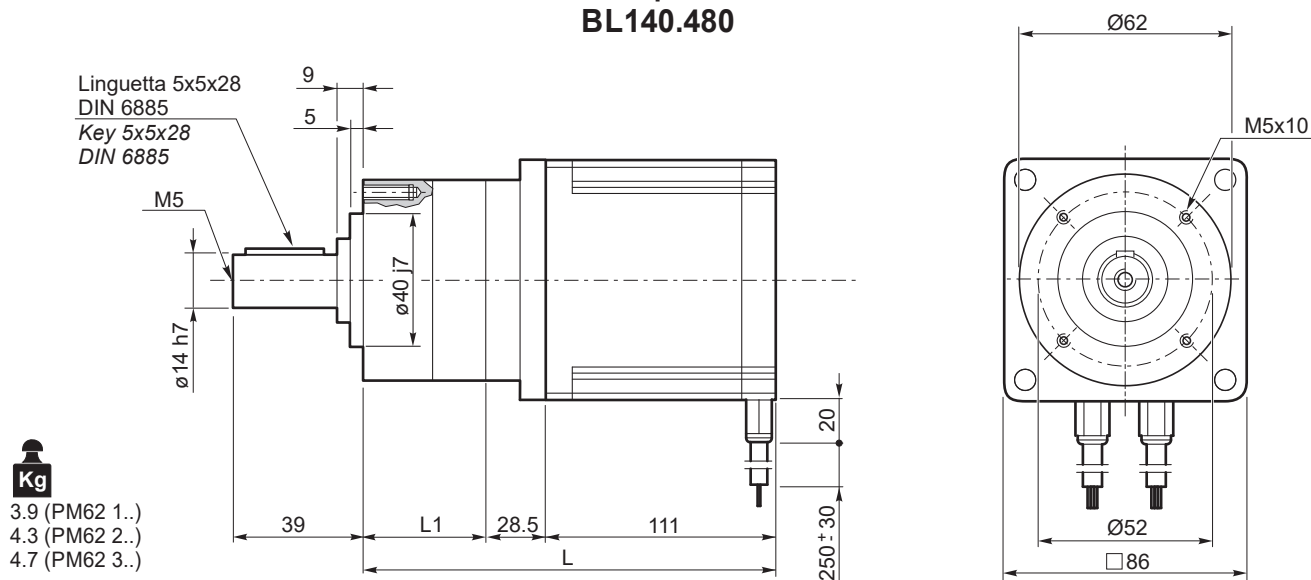
PM62 con motore brushless CC

PM62 with brushless DC motor

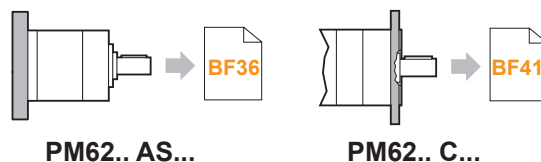
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL140.480	8	3	48	3000	1.4	440
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL140.480	2.8	13	0.16	0.5	26	3.15



PM62.. + BL140.480

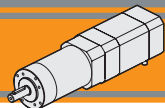


			BL 140.480
PM62	Ns	L1	L
	1	45.3	184.8
	2	62.2	201.7
	3	79.2	218.7



IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM72 con motore brushless CC

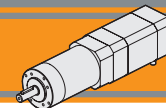
PM72 with brushless DC motor

PM72			BL070.240 / BL070.24B / BL070.480 / BL070.48B						
			24V / 48V						
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.7	4	81	2.1	10.0	811	2.1	6.8	3000
	4.28	4	70	2.4	8.6	701	2.4	5.8	
	5.18	5	58	2.9	7.1	579	2.9	4.8	
	6.75	7	44	3.8	5.5	444	3.8	3.7	
2	13.73	14	22	7.2	8.6	218	7.2	5.8	
	15.88	16	19	8.3	7.4	189	8.3	5.0	
	18.36	18	16	9.6	6.4	163	9.6	4.4	
	19.2	19	16	10	6.1	156	10	4.2	
	22.2	22	14	12	5.3	135	12	3.6	
	25.01	25	12	13	4.7	120	13	3.2	
	26.9	27	11	14	4.4	112	14	3.0	
	28.9	29	10	15	4.1	104	15	2.8	
	35.0	35	8.6	18	3.4	86	18	2.3	
	45.6	46	6.6	24	2.6	66	24	1.8	
3	50.9	51	5.9	25	5.0	59	25	3.4	
	58.9	59	5.1	29	4.3	51	29	2.9	
	68.06	68	4.4	33	3.7	44	33	2.5	
	71.2	71	4.2	35	3.6	42	35	2.4	
	78.7	79	3.8	39	3.2	38	39	2.2	
	92.7	93	3.2	45	2.7	32	45	1.8	
	95.2	95	3.2	47	2.7	32	47	1.8	
	99.5	100	3.0	49	2.5	30	49	1.7	
	107.2	107	2.8	53	2.4	28	53	1.6	
	115.07	115	2.6	56	2.2	26	56	1.5	
	123.97	124	2.4	61	2.0	24	61	1.4	
	129.62	130	2.3	64	1.9	23	64	1.3	
	139.13	139	2.2	68	1.8	22	68	1.2	
	149.9	150	2.0	73	1.7	20	73	1.1	
168.84	169	1.8	83	1.5	18	83	1.0		
181.24	181	1.7	89	1.4	17	89	0.9		
195.26	195	1.5	96	1.3	15	96	0.9		
236.09	236	1.3	116	1.1	13	116	0.7		
307.54	308	1.0	151	0.8	10	116	0.7		

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM72 con motore brushless CC

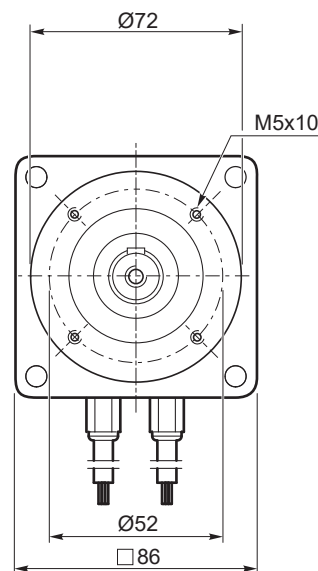
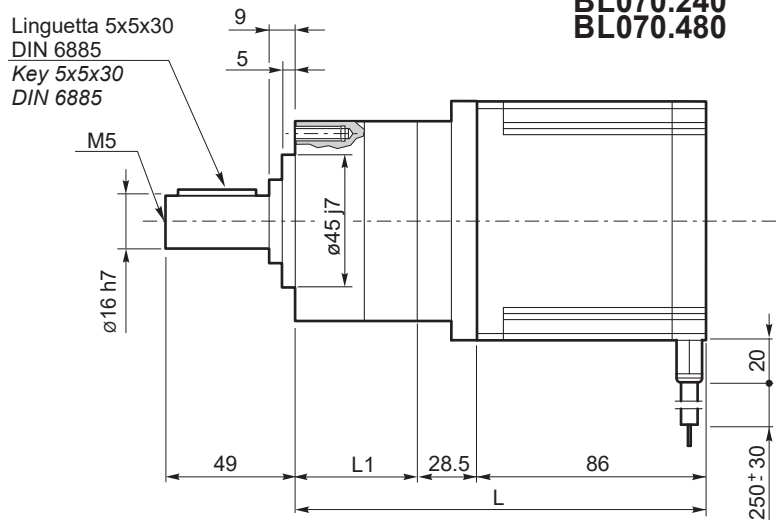
PM72 with brushless DC motor

Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL070.240 BL070.24B	8	3	24	3000	0.7	220
BL070.480 BL070.48B	8	3	48	3000	0.7	220
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL070.240 BL070.24B	1.4	13	0.091	0.23	26	2.1
BL070.480 BL070.48B	1.4	6.5	0.34	1.0	13	2.1

Azionamenti
Drives



PM72..
+
BL070.240
BL070.480



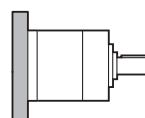
6.0 (PM72 1..)
6.5 (PM72 2..)
7.0 (PM72 3..)



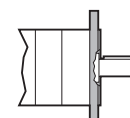
Freno
Brake

BL070.24B
BL070.48B

PM72	Ns	L1	BL 070.240 BL 070.480
			L
	1	55.7	170.6
	2	75.8	190.2
	3	95.3	209.8



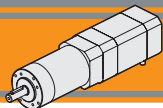
PM72.. AS...



PM72.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali Brushless DC planetary gearmotors

PM72 con motore brushless CC

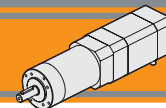
PM72 with brushless DC motor

PM72			BL070.48.80													
			24V						48V							
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.7	4	68	2.1	10.0	676	2.1	6.8	2500	108	2.1	10.0	1081	2.1	6.0	4000
	4.28	4	58	2.4	8.6	584	2.4	5.8		93	2.4	8.6	935	2.4	5.2	
	5.18	5	48	2.9	7.1	483	2.9	4.8		77	2.9	7.1	772	2.9	4.3	
	6.75	7	37	3.8	5.5	370	3.8	3.7		59	3.8	5.5	593	3.8	3.3	
2	13.73	14	18	7.2	8.6	182	7.2	5.8	29	7.2	8.6	291	7.2	5.2		
	15.88	16	16	8.3	7.4	157	8.3	5.0	25	8.3	7.4	252	8.3	4.5		
	18.36	18	14	9.6	6.4	136	9.6	4.4	22	9.6	6.4	218	9.6	3.9		
	19.2	19	13	10	6.1	130	10	4.2	21	10	6.1	208	10	3.7		
	22.2	22	11	12	5.3	113	12	3.6	18	12	5.3	180	12	3.2		
	25.01	25	10	13	4.7	100	13	3.2	16	13	4.7	160	13	2.8		
	26.9	27	9.3	14	4.4	93	14	3.0	15	14	4.4	149	14	2.6		
	28.9	29	8.6	15	4.1	86	15	2.8	14	15	4.1	138	15	2.4		
	35.0	35	7.1	18	3.4	71	18	2.3	11	18	3.4	114	18	2.0		
	45.6	46	5.5	24	2.6	55	24	1.8	8.8	24	2.6	88	24	1.6		
3	50.9	51	4.9	25	5.0	49	25	3.4	7.9	25	5.0	79	25	3.0		
	58.9	59	4.2	29	4.3	42	29	2.9	6.8	29	4.3	68	29	2.6		
	68.06	68	3.7	33	3.7	37	33	2.5	5.9	33	3.7	59	33	2.2		
	71.2	71	3.5	35	3.6	35	35	2.4	5.6	35	3.6	56	35	2.1		
	78.7	79	3.2	39	3.2	32	39	2.2	5.1	39	3.2	51	39	1.9		
	92.7	93	2.7	45	2.7	27	45	1.8	4.3	45	2.7	43	45	1.6		
	95.2	95	2.6	47	2.7	26	47	1.8	4.2	47	2.7	42	47	1.6		
	99.5	100	2.5	49	2.5	25	49	1.7	4.0	49	2.5	40	49	1.5		
	107.2	107	2.3	53	2.4	23	53	1.6	3.7	53	2.4	37	53	1.4		
	115.07	115	2.2	56	2.2	22	56	1.5	3.5	56	2.2	35	56	1.3		
	123.97	124	2.0	61	2.0	20	61	1.4	3.2	61	2.0	32	61	1.2		
	129.62	130	1.9	64	1.9	19	64	1.3	3.1	64	1.9	31	64	1.2		
	139.13	139	1.8	68	1.8	18	68	1.2	2.9	68	1.8	29	68	1.1		
	149.9	150	1.7	73	1.7	17	73	1.1	2.7	73	1.7	27	73	1.0		
	168.84	169	1.5	83	1.5	15	83	1.0	2.4	83	1.5	24	83	0.9		
	181.24	181	1.4	89	1.4	14	89	0.9	2.2	89	1.4	22	89	0.8		
195.26	195	1.3	96	1.3	13	96	0.9	2.0	96	1.3	20	96	0.8			
236.09	236	1.1	116	1.1	11	116	0.7	1.7	116	1.1	17	106	0.7			
307.54	308	0.8	151	0.8	8.1	116	0.7	1.3	151	0.8	13	106	0.7			

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM72 con motore brushless CC

PM72 with brushless DC motor

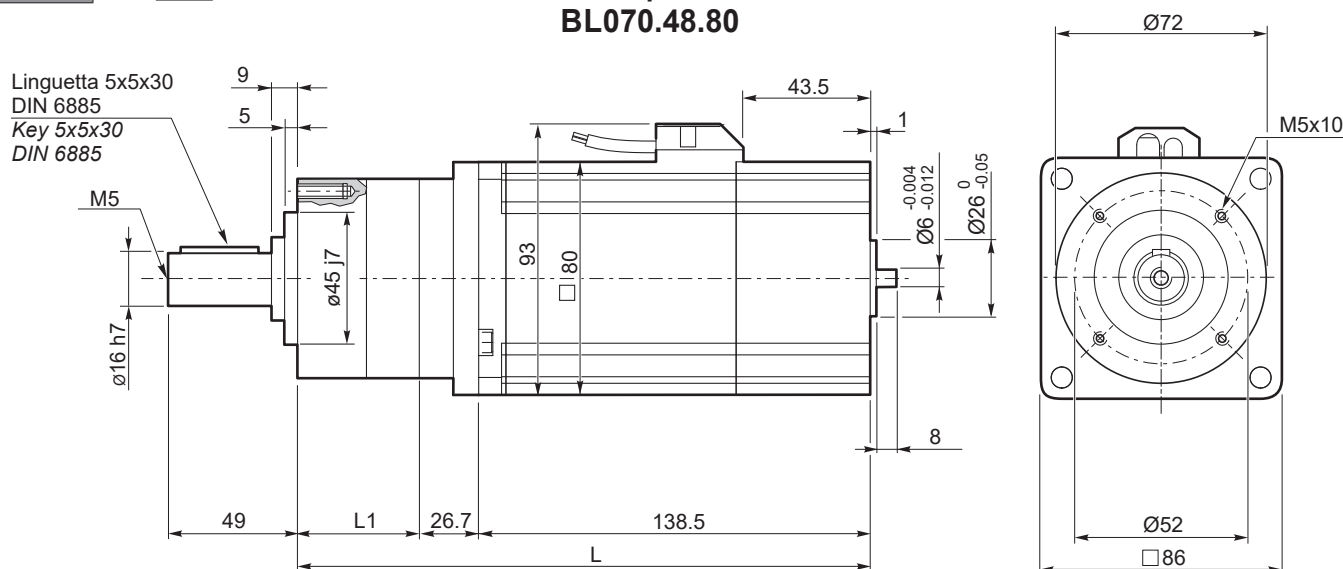
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione nominale Rated voltage [V]	Velocità nominale Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]	Coppia di picco Peak torque [Nm]
BL070.48.80	8	3	48	4350	0.7	320	1.4
			24	2500		185	

Tipo Type	Corrente nominale Rated current [A]	Corrente di picco Peak current [A]	Resistenza fase-fase Line to line resistance [Ω]	Induttanza fase-fase Line to line inductance [mH]	Costante di coppia Torque constant [Nm/A]	Costante FCEM Back EMF [V/kRPM]	Inerzia rotore Rotor inertia [gcm ²]	Peso Weight [kg]
BL070.48.80	12	36	0.072	0.304	0.1	6.15	1000	1.8

Azionamenti Drives

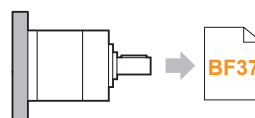


PM72.. + BL070.48.80

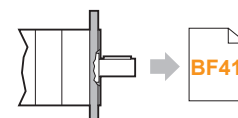


3.5 (PM72 1..)
4.0 (PM72 2..)
4.5 (PM72 3..)

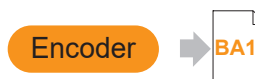
PM72			BL 070.48.80
	Ns	L1	L
	1	55.7	220.9
	2	75.8	241
	3	95.3	260.5



PM72.. AS...



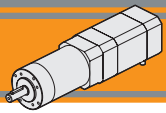
PM72.. C...



Encoder

IP 55

PM



Motoriduttori brushless CC epicycloidali

Brushless DC planetary gearmotors

PM72 con motore brushless CC

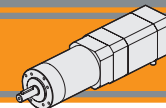
PM72 with brushless DC motor

PM72			BL140.480						
			48V						
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.7	4	81	4.1	5.0	811	4.1	3.4	3000
	4.28	4	70	4.8	4.3	701	4.8	2.9	
	5.18	5	58	5.8	3.6	579	5.8	2.4	
	6.75	7	44	7.6	2.7	444	7.6	1.9	
2	13.73	14	22	14	4.3	218	14	2.9	
	15.88	16	19	17	3.7	189	17	2.5	
	18.36	18	16	19	3.2	163	19	2.2	
	19.2	19	16	20	3.1	156	20	2.1	
	22.2	22	14	23	2.7	135	23	1.8	
	25.01	25	12	26	2.4	120	26	1.6	
	26.9	27	11	28	2.2	112	28	1.5	
	28.9	29	10	30	2.0	104	30	1.4	
	35.0	35	8.6	37	1.7	86	37	1.1	
	45.6	46	6.6	48	1.3	66	48	0.9	
3	50.9	51	5.9	50	2.5	59	50	1.7	
	58.9	59	5.1	58	2.1	51	58	1.5	
	68.06	68	4.4	67	1.9	44	67	1.3	
	71.2	71	4.2	70	1.8	42	70	1.2	
	78.7	79	3.8	77	1.6	38	77	1.1	
	92.7	93	3.2	91	1.4	32	91	0.9	
	95.2	95	3.2	93	1.3	32	93	0.9	
	99.5	100	3.0	98	1.3	30	98	0.9	
	107.2	107	2.8	105	1.2	28	105	0.8	
	115.07	115	2.6	113	1.1	26	113	0.7	
	123.97	124	2.4	121	1.0	24	120	0.7	
	129.62	130	2.3	127	1.0	23	120	0.7	
	139.13	139	2.2	136	0.9	22	120	0.7	
	149.9	150	2.0	147	0.8	20	120	0.7	
168.84	169	1.8	165	0.7	18	120	0.7		
181.24	181	1.7	175	0.7	17	120	0.7		
195.26	195	1.5	175	0.7	15	120	0.7		
236.09	236	1.3	175	0.7	13	120	0.7		
307.54	308	1.0	175	0.7	10	120	0.7		

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM72 con motore brushless CC

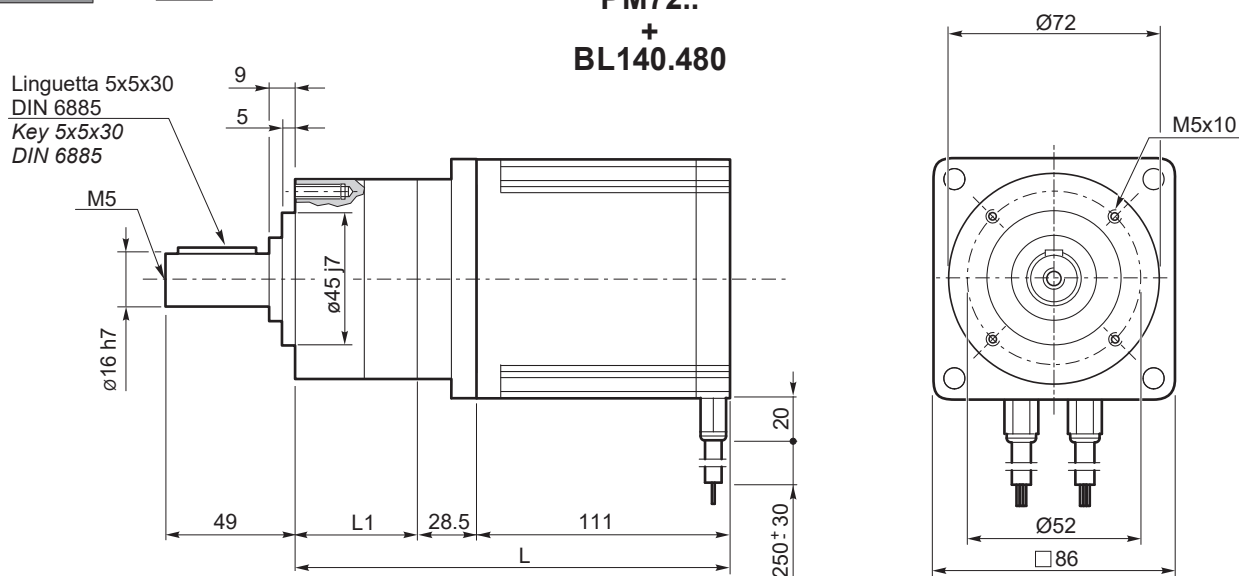
PM72 with brushless DC motor

Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL140.480	8	3	48	3000	1.4	440
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL140.480	2.8	13	0.16	0.5	26	3.15

Azionamenti Drives

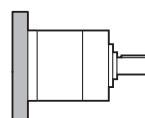


PM72.. + BL140.480

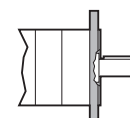


7.0 (PM72 1..)
7.5 (PM72 2..)
8.0 (PM72 3..)

PM72	BL 140.480		
	Ns	L1	L
	1	55.7	195.6
	2	75.8	215.2
	3	95.3	234.8

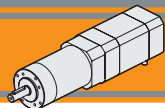


PM72.. AS...



PM72.. C...





Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM81 con motore brushless CC

PM81with brushless DC motor

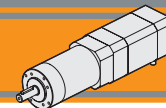
PM81			BL140.480						n _{1MAX} [rpm]
			48V						
Ns	i _r	i _n	n _{2MIN} [rpm]			n _{2MAX} [rpm]			
			M ₂ [Nm]	sf	M ₂ [Nm]	sf			
1	3.70	4	81	4.1	6.9	811	4.1	4.7	3000
	4.28	4	70	4.8	6.0	701	4.8	4.1	
	5.18	5	58	5.8	5.0	579	5.8	3.4	
	6.75	7	44	7.6	3.8	444	7.6	2.6	
2	13.73	14	22	14	6.1	218	14	4.2	
	15.88	16	19	17	5.3	189	16	3.6	
	18.36	18	16	19	4.6	163	19	3.1	
	19.20	19	16	20	4.4	156	20	3.0	
	22.20	22	14	23	3.8	135	23	2.6	
	25.01	25	12	26	3.4	120	26	2.3	
	26.85	27	11	28	3.1	112	28	2.1	
	28.93	29	10	30	2.9	104	30	2.0	
	34.97	35	8.6	37	2.4	86	37	1.6	
	45.56	46	6.6	48	1.9	66	48	1.3	
3	50.89	51	5.9	50	3.6	59	50	2.4	
	58.85	59	5.1	58	3.1	51	58	2.1	
	68.06	68	4.4	67	2.7	44	67	1.8	
	71.16	71	4.2	70	2.5	42	70	1.7	
	78.71	79	3.8	77	2.3	38	77	1.6	
	92.70	93	3.2	91	1.9	32	91	1.3	
	95.17	95	3.2	93	1.9	32	93	1.3	
	99.50	100	3.0	98	1.8	30	98	1.2	
	107.20	107	2.8	105	1.7	28	105	1.1	
	115.07	115	2.6	113	1.6	26	113	1.1	
	123.97	124	2.4	121	1.5	24	121	1.0	
	129.62	130	2.3	127	1.4	23	127	0.9	
	139.13	139	2.2	136	1.3	22	136	0.9	
	149.90	150	2.0	147	1.2	20	147	0.8	
168.84	169	1.8	165	1.1	18	165	0.7		
181.24	181	1.7	178	1.0	17	171	0.7		
195.26	195	1.5	191	0.9	15	171	0.7		
236.09	236	1.3	231	0.8	13	171	0.7		
307.54	308	1.0	250	0.7	9.8	171	0.7		

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM81 con motore brushless CC

PM81 with brushless DC motor

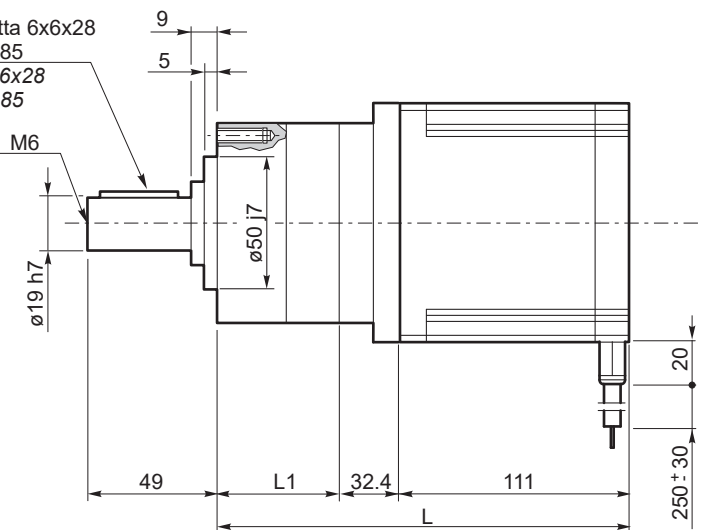
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL140.480	8	3	48	3000	1.4	440
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL140.480	2.8	13	0.16	0.5	26	3.15

Azionamenti
Drives

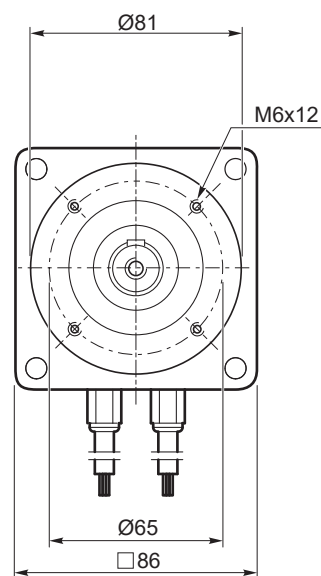


PM81.. + BL140.480

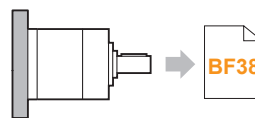
Linguetta 6x6x28
DIN 6885
Key 6x6x28
DIN 6885



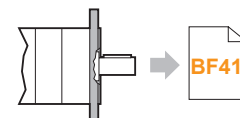
5.0 (PM81 1..)
5.7 (PM81 2..)
6.4 (PM81 3..)



PM81	BL 140.480		
	Ns	L1	L
	1	62.2	205.6
	2	83.8	227.2
	3	105.5	248.9



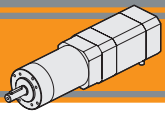
PM81.. AS...



PM81.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM81 con motore brushless CC

PM81 with brushless DC motor

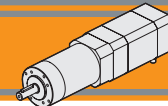
PM81			BL200.48.95														
			24V						48V								
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf			
1	3.7	4	41	5.9	5.0	405	5.9	4.3	1500	81	5.9	5.0	811	5.9	3.4	3000	
	4.28	4	35	6.8	4.3	350	6.8	3.7		70	6.8	4.3	701	6.8	2.9		
	5.18	5	29	8.3	3.6	290	8.3	3.1		58	8.3	3.6	579	8.3	2.4		
	6.75	7	22	11	2.7	222	11	2.4		44	11	2.7	444	11	1.9		
2	13.73	14	11	21	4.3	109	21	3.7		22	21	4.3	218	21	2.9		
	15.88	16	9.4	24	3.7	94	24	3.2		19	24	3.7	189	24	2.5		
	18.36	18	8.2	28	3.2	82	28	2.8		16	28	3.2	163	28	2.2		
	19.2	19	7.8	29	3.1	78	29	2.7		16	29	3.1	156	29	2.1		
	22.2	22	6.8	33	2.7	68	33	2.3		14	33	2.7	135	33	1.8		
	25.01	25	6.0	38	2.4	60	38	2.1		12	38	2.4	120	38	1.6		
	26.9	27	5.6	40	2.2	56	40	1.9		11	40	2.2	112	40	1.5		
	28.9	29	5.2	43	2.0	52	43	1.8		10	43	2.0	104	43	1.4		
	35.0	35	4.3	52	1.7	43	52	1.5		8.6	52	1.7	86	52	1.1		
	45.6	46	3.3	68	1.3	33	68	1.1		6.6	68	1.3	66	68	0.9		
	3	50.9	51	2.9	71	2.5	29	71		2.2	5.9	71	2.5	59	71		1.7
		58.9	59	2.5	82	2.1	25	82		1.9	5.1	82	2.1	51	82		1.5
68.06		68	2.2	95	1.9	22	95	1.6	4.4	95	1.9	44	95	1.3			
71.2		71	2.1	100	1.8	21	100	1.5	4.2	100	1.8	42	100	1.2			
78.7		79	1.9	110	1.6	19	110	1.4	3.8	110	1.6	38	110	1.1			
92.7		93	1.6	130	1.4	16	130	1.2	3.2	130	1.4	32	130	0.9			
95.2		95	1.6	133	1.3	16	133	1.2	3.2	133	1.3	32	133	0.9			
99.5		100	1.5	139	1.3	15	139	1.1	3.0	139	1.3	30	139	0.9			
107.2		107	1.4	150	1.2	14	150	1.0	2.8	150	1.2	28	150	0.8			
115.07		115	1.3	161	1.1	13	161	1.0	2.6	161	1.1	26	161	0.7			
123.97		124	1.2	174	1.0	12	174	0.9	2.4	174	1.0	24	165	0.7			
129.62		130	1.2	181	1.0	12	181	0.8	2.3	181	1.0	23	165	0.7			
139.13		139	1.1	195	0.9	11	195	0.8	2.2	195	0.9	22	165	0.7			
149.9		150	1.0	210	0.8	10	210	0.7	2.0	210	0.8	20	165	0.7			
168.84		169	0.9	236	0.7	8.9	210	0.7	1.8	236	0.7	18	165	0.7			
181.24		181	0.8	250	0.7	8.3	210	0.7	1.7	250	0.7	17	165	0.7			
195.26		195	0.8	250	0.7	7.7	210	0.7	1.5	250	0.7	15	165	0.7			
236.09		236	0.6	250	0.7	6.4	210	0.7	1.3	250	0.7	13	165	0.7			
307.54	308	0.5	250	0.7	4.9	210	0.7	1.0	250	0.7	10	165	0.7				

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM81 con motore brushless CC

PM81 with brushless DC motor

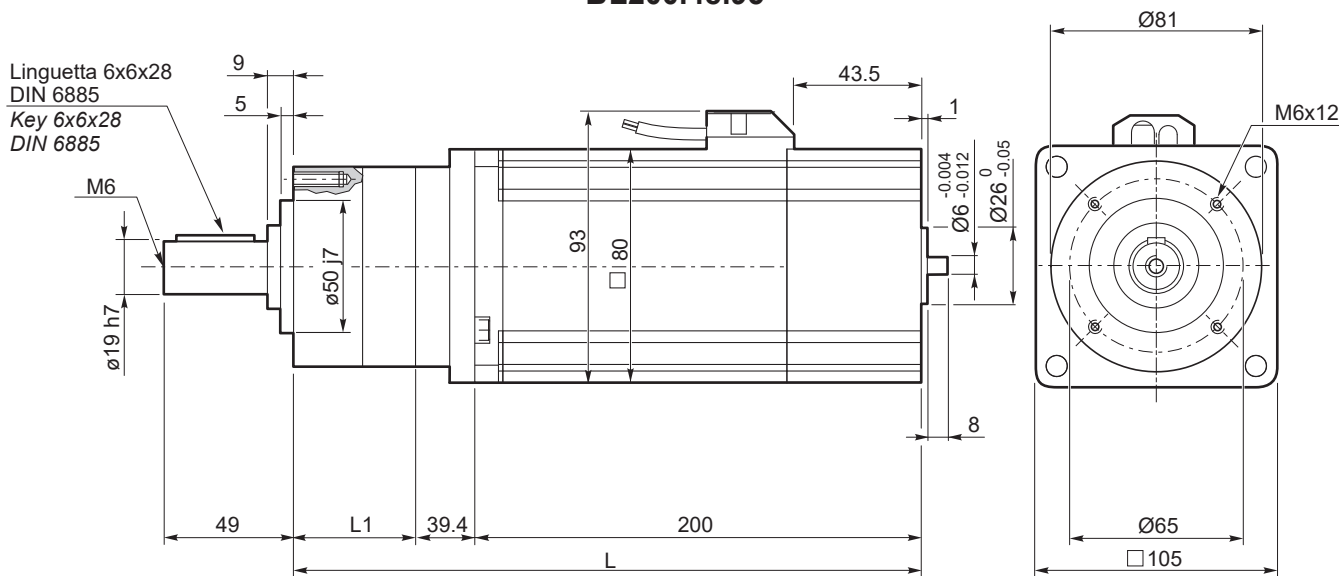
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Servizio Service	Tensione nominale Rated voltage [V]	Velocità nominale Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]	Coppia di picco Peak torque [Nm]
BL200.48.95	8	3	S1	48	3000	2.0	650	4.0
				24	1500		300	

Tipo Type	Corrente nominale Rated current [A]	Corrente di picco Peak current [A]	Resistenza fase-fase Line to line resistance [Ω]	Induttanza fase-fase Line to line inductance [mH]	Costante di coppia Torque constant [Nm/A]	Costante FCEM Back EMF [V/kRPM]	Inerzia rotore Rotor inertia [gcm ²]	Peso Weight [kg]
BL200.48.95	16.5	49.5	0.068 +/- 15%	0.25	0.091	6.7 +/- 10%	2820	6

Azionamenti Drives

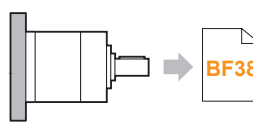


PM81.. + BL200.48.95

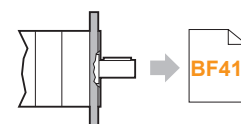


8.6 (PM81 1..)
9.3 (PM81 2..)
10.0 (PM81 3..)

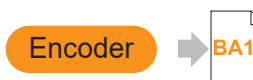
PM81	BL 200.48.95		
	Ns	L1	L
	1	62.2	301.6
	2	83.8	323.2
	3	105.5	344.9



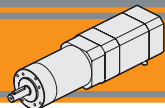
PM81.. AS...



PM81.. C...



Encoder



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM81 con motore brushless CC

PM81 with brushless DC motor

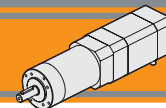
PM81			BL210.480 / BL210.48E						
			48V						
Ns	ir	in	n _{2MIN} [rpm]		n _{2MAX} [rpm]		n _{1MAX} [rpm]		
			M ₂ [Nm]	sf	M ₂ [Nm]	sf			
1	3.70	4	81	6.2	4.6	811	6.2	3.1	3000
	4.28	4	70	7.2	4.0	701	7.2	2.7	
	5.18	5	58	8.7	3.3	579	8.7	2.2	
	6.75	7	44	11	2.5	444	11	1.7	
2	13.73	14	22	21	4.1	218	21	2.8	
	15.88	16	19	25	3.5	189	25	2.4	
	18.36	18	16	28	3.1	163	28	2.1	
	19.20	19	16	30	2.9	156	30	2.0	
	22.20	22	14	35	2.5	135	35	1.7	
	25.01	25	12	39	2.2	120	39	1.5	
	26.85	27	11	42	2.1	112	42	1.4	
	28.93	29	10	46	1.9	104	46	1.3	
	34.97	35	8.6	55	1.6	86	55	1.1	
	45.56	46	6.6	72	1.2	66	72	0.8	
3	50.89	51	5.9	75	2.4	59	75	1.6	
	58.85	59	5.1	87	2.0	51	87	1.4	
	68.06	68	4.4	100	1.8	44	100	1.2	
	71.16	71	4.2	105	1.7	42	105	1.1	
	78.71	79	3.8	116	1.5	38	116	1.0	
	92.70	93	3.2	136	1.3	32	136	0.9	
	95.17	95	3.2	140	1.3	32	140	0.9	
	99.50	100	3.0	146	1.2	30	146	0.8	
	107.20	107	2.8	158	1.1	28	158	0.8	
	115.07	115	2.6	169	1.0	26	169	0.7	
	123.97	124	2.4	182	1.0	24	171	0.7	
	129.62	130	2.3	191	0.9	23	171	0.7	
	139.13	139	2.2	205	0.9	22	171	0.7	
	149.90	150	2.0	220	0.8	20	171	0.7	
168.84	169	1.8	248	0.7	18	171	0.7		
181.24	181	1.7	250	0.7	17	171	0.7		
195.26	195	1.5	250	0.7	15	171	0.7		
236.09	236	1.3	250	0.7	13	171	0.7		
307.54	308	1.0	250	0.7	9.8	171	0.7		

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Rapporti preferenziali
Preferred ratios

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM81 con motore brushless CC

PM81 with brushless DC motor

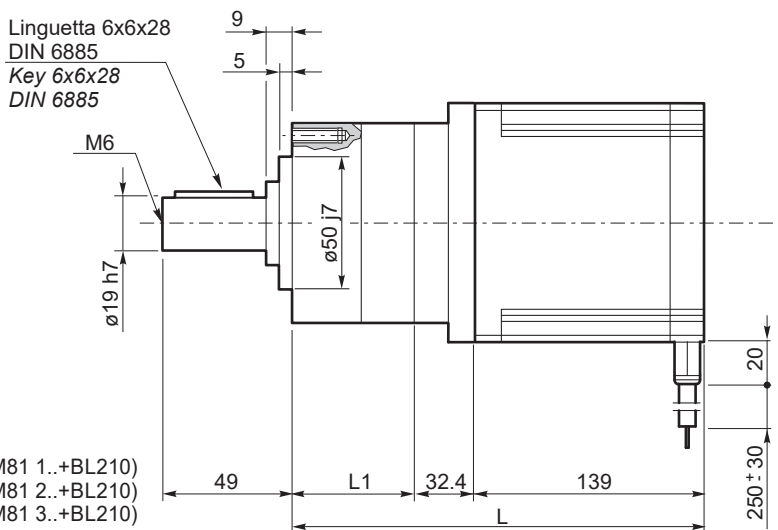
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL210.480 BL210.48E	8	3	48	3000	2.1	660
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL210.480 BL210.48E	4.2	18.7	0.115	0.31	37	4.2

Azionamenti
Drives

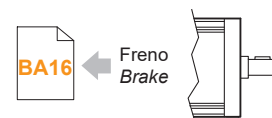


PM81.. + BL210.480

Linguetta 6x6x28
DIN 6885
Key 6x6x28
DIN 6885

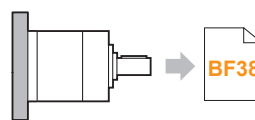


6.0 (PM81 1..+BL210)
6.7 (PM81 2..+BL210)
7.4 (PM81 3..+BL210)

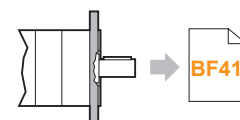


Freno
Brake
BL210.480E

PM81	BL 210.480		
	Ns	L1	L
	1	62.2	233.6
	2	83.8	255.2
	3	105.5	276.9



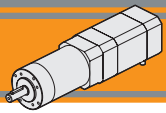
PM81.. AS...



PM81.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM105 con motore brushless CC

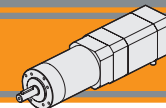
PM105 with brushless DC motor

PM105			BL200.48.95													
			24V						48V							
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.70	4	41	5.9	8.7	405	5.9	7.6	1500	81	5.9	8.7	811	5.9	5.9	3000
	4.28	4	35	6.8	7.5	350	6.8	6.6		70	6.8	7.5	701	6.8	5.1	
	5.18	5	29	8.3	6.2	290	8.3	5.4		58	8.3	6.2	579	8.3	4.2	
	6.75	7	22	11	4.8	222	11	4.2		44	11	4.8	444	11	3.2	
2	13.73	14	11	21	7.5	109	21	6.5	22	21	7.5	218	21	5.1		
	15.88	16	9.4	24	6.5	94	24	5.7	19	24	6.5	189	24	4.4		
	18.36	18	8.2	28	5.6	82	28	4.9	16	28	5.6	163	28	3.8		
	19.2	19	7.8	29	5.4	78	29	4.7	16	29	5.4	156	29	3.6		
	22.2	22	6.8	33	4.6	68	33	4.0	14	33	4.6	135	33	3.2		
	25.01	25	6.0	38	4.1	60	38	3.6	12	38	4.1	120	38	2.8		
	26.9	27	5.6	40	3.8	56	40	3.3	11	40	3.8	112	40	2.6		
	28.9	29	5.2	43	3.6	52	43	3.1	10	43	3.6	104	43	2.4		
	35.0	35	4.3	52	3.0	43	52	2.6	8.6	52	3.0	86	52	2.0		
	45.6	46	3.3	68	2.3	33	68	2.0	6.6	68	2.3	66	68	1.5		
3	50.9	51	2.9	71	4.0	29	71	3.5	5.9	71	4.0	59	71	2.7		
	58.9	59	2.5	82	3.5	25	82	3.0	5.1	82	3.5	51	82	2.4		
	68.06	68	2.2	95	3.0	22	95	2.6	4.4	95	3.0	44	95	2.0		
	71.2	71	2.1	100	2.9	21	100	2.5	4.2	100	2.9	42	100	2.0		
	78.7	79	1.9	110	2.6	19	110	2.3	3.8	110	2.6	38	110	1.8		
	92.7	93	1.6	130	2.2	16	130	1.9	3.2	130	2.2	32	130	1.5		
	95.2	95	1.6	133	2.2	16	133	1.9	3.2	133	2.2	32	133	1.5		
	99.5	100	1.5	139	2.1	15	139	1.8	3.0	139	2.1	30	139	1.4		
	107.2	107	1.4	150	1.9	14	150	1.7	2.8	150	1.9	28	150	1.3		
	115.07	115	1.3	161	1.8	13	161	1.6	2.6	161	1.8	26	161	1.2		
	123.97	124	1.2	174	1.7	12	174	1.4	2.4	174	1.7	24	174	1.1		
	129.62	130	1.2	181	1.6	12	181	1.4	2.3	181	1.6	23	181	1.1		
	139.13	139	1.1	195	1.5	11	195	1.3	2.2	195	1.5	22	195	1.0		
	149.9	150	1.0	210	1.4	10	210	1.2	2.0	210	1.4	20	210	0.9		
	168.84	169	0.9	236	1.2	8.9	236	1.1	1.8	236	1.2	18	236	0.8		
	181.24	181	0.8	254	1.1	8.3	254	1.0	1.7	254	1.1	17	254	0.8		
	195.26	195	0.8	273	1.1	7.7	273	0.9	1.5	273	1.1	15	270	0.7		
	236.09	236	0.6	331	0.9	6.4	331	0.8	1.3	331	0.9	13	270	0.7		
307.54	308	0.5	400	0.7	4.9	350	0.7	1.0	400	0.7	10	270	0.7			

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM105 con motore brushless CC

PM105 with brushless DC motor

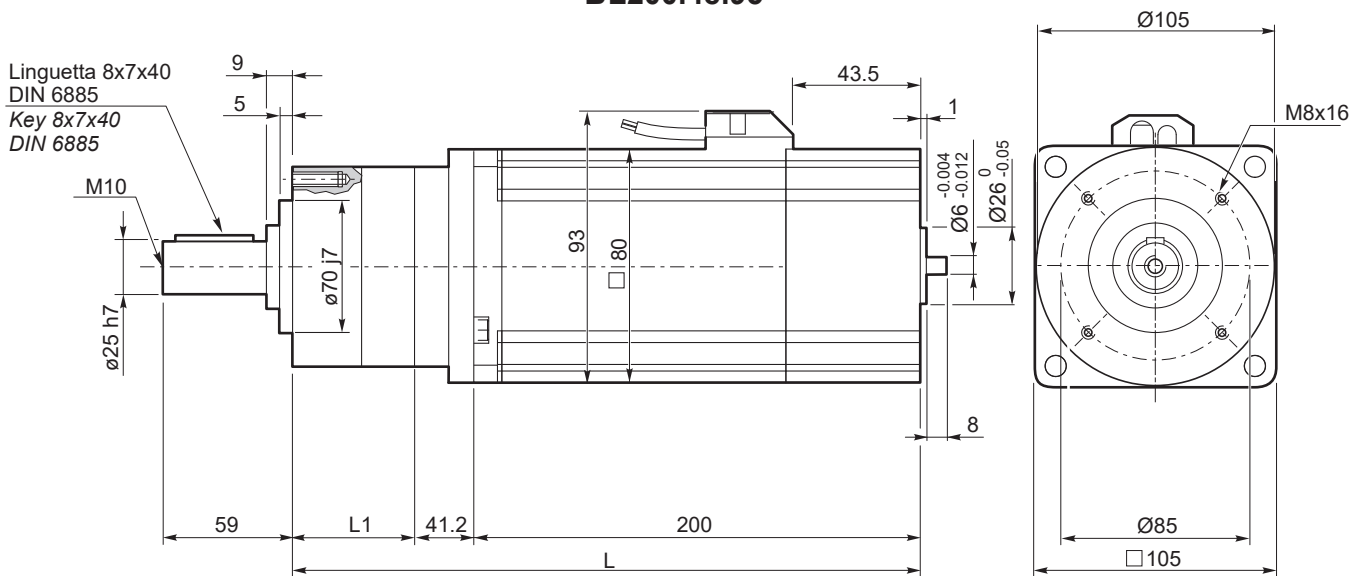
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Servizio Service	Tensione nominale Rated voltage [V]	Velocità nominale Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]	Coppia di picco Peak torque [Nm]
BL200.48.95	8	3	S1	48	3000	2.0	650	4.0
				24	1500		300	

Tipo Type	Corrente nominale Rated current [A]	Corrente di picco Peak current [A]	Resistenza fase-fase Line to line resistance [Ω]	Induttanza fase-fase Line to line inductance [mH]	Costante di coppia Torque constant [Nm/A]	Costante FCEM Back EMF [V/kRPM]	Inerzia rotore Rotor inertia [gcm ²]	Peso Weight [kg]
BL200.48.95	16.5	49.5	0.068 +/- 15%	0.25	0.091	6.7 +/- 10%	2820	6

Azionamenti Drives

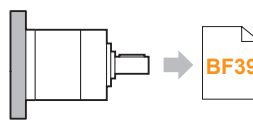


PM105.. + BL200.48.95

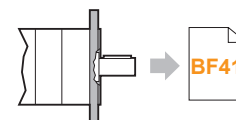


11.1 (PM105 1..)
12.7 (PM105 2..)
14.3 (PM105 3..)

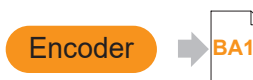
PM105	BL 200.48.95		
	Ns	L1	L
	1	75.7	316.9
	2	106.9	348.1
	3	137.9	379.1



PM105.. AS...



PM105.. C...

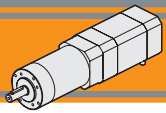


Encoder

BA17

IP 55

PM



Motoriduttori brushless CC epicycloidali

Brushless DC planetary gearmotors

PM105 con motore brushless CC

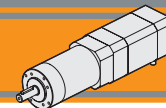
PM105 with brushless DC motor

PM105			BL210.480 / BL210.48E						
			48V						
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.70	4	81	6.2	8.3	811	6.2	5.6	3000
	4.28	4	70	7.2	7.2	701	7.2	4.9	
	5.18	5	58	8.7	5.9	579	8.7	4.0	
	6.75	7	44	11	4.6	444	11	3.1	
2	13.73	14	22	22	7.2	218	22	4.9	
	15.88	16	19	25	6.2	189	25	4.2	
	18.36	18	16	29	5.4	163	29	3.6	
	19.2	19	16	30	5.1	156	30	3.5	
	22.2	22	14	35	4.4	135	35	3.0	
	25.01	25	12	39	3.9	120	39	2.7	
	26.9	27	11	42	3.7	112	42	2.5	
	28.9	29	10	46	3.4	104	46	2.3	
	35.0	35	8.6	55	2.8	86	55	1.9	
45.6	46	6.6	72	2.2	66	72	1.5		
3	50.9	51	5.9	75	3.8	59	75	2.6	
	58.9	59	5.1	87	3.3	51	87	2.3	
	68.06	68	4.4	100	2.9	44	100	1.9	
	71.2	71	4.2	105	2.7	42	105	1.9	
	78.7	79	3.8	116	2.5	38	116	1.7	
	92.7	93	3.2	136	2.1	32	136	1.4	
	95.2	95	3.2	140	2.1	32	140	1.4	
	99.5	100	3.0	146	2.0	30	146	1.3	
	107.2	107	2.8	158	1.8	28	158	1.2	
	115.07	115	2.6	169	1.7	26	169	1.2	
	123.97	124	2.4	182	1.6	24	182	1.1	
	129.62	130	2.3	191	1.5	23	191	1.0	
	139.13	139	2.2	205	1.4	22	205	1.0	
	149.9	150	2.0	220	1.3	20	220	0.9	
	168.84	169	1.8	248	1.2	18	248	0.8	
	181.24	181	1.7	266	1.1	17	266	0.7	
195.26	195	1.5	287	1.0	15	270	0.7		
236.09	236	1.3	347	0.8	13	270	0.7		
307.54	308	1.0	400	0.7	10	270	0.7		

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM105 con motore brushless CC

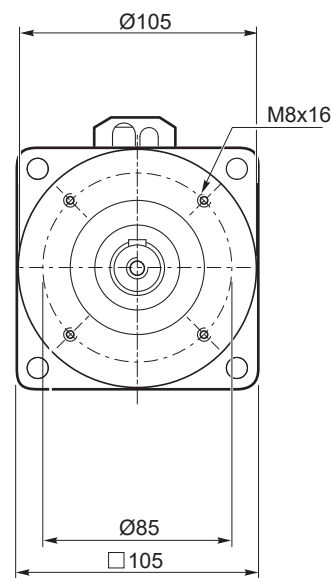
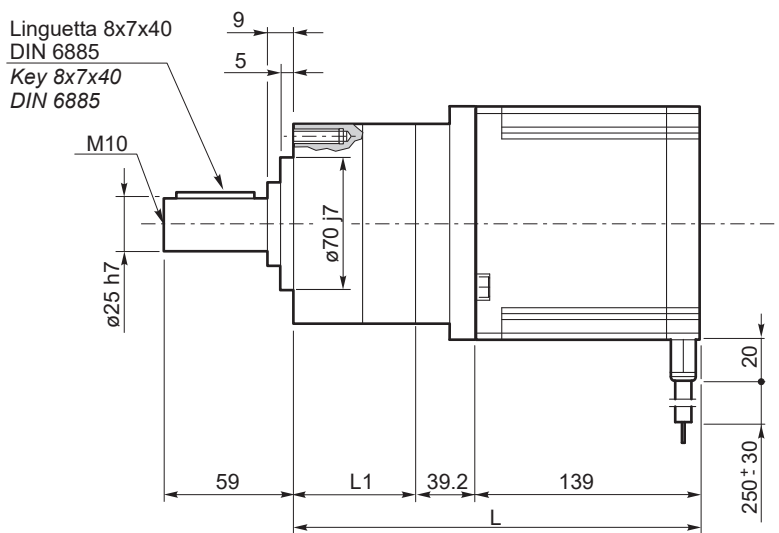
PM105 with brushless DC motor

Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Tensione Rated voltage [V]	Numero di giri Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]
BL210.480 BL210.48E	8	3	48	3000	2.1	660
Tipo Type	Coppia massima Peak torque [Nm]	Corrente nominale Rated current [A]	Resistenza Resistance [Ω]	Induttanza Inductance [mH]	Corrente massima Peak current [A]	Peso Weight [kg]
BL210.480 BL210.48E	4.2	18.7	0.115	0.31	37	4.2

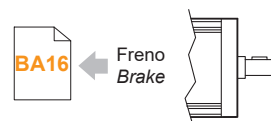
Azionamenti
Drives



PM105 + BL210.480

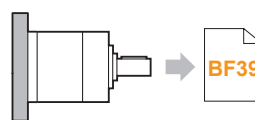


9.5 (PM105 1..)
11.1 (PM105 2..)
12.7 (PM105 3..)

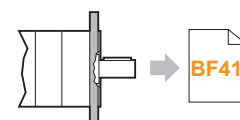


BL210.48E

PM105	BL 210.480		
	Ns	L1	L
	1	75.7	253.9
	2	106.9	285.1
	3	137.9	316.1



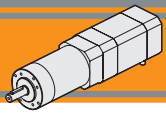
PM105.. AS...



PM105.. C...

IP 55

PM



Motoriduttori brushless CC epicycloidali

Brushless DC planetary gearmotors

PM105 con motore brushless CC

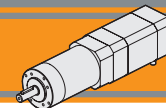
PM105 with brushless DC motor

PM105			BL400.48.120													
			24V						48V							
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.70	4	38	10	5.0	378	10	4.3	1400	81	10	5.0	811	10	3.4	3000
	4.28	4	33	12	4.3	327	12	3.7		70	12	4.3	701	12	2.9	
	5.18	5	27	15	3.6	270	15	3.1		58	15	3.6	579	15	2.4	
	6.75	7	21	19	2.7	207	19	2.4		44	19	2.7	444	19	1.9	
2	13.73	14	10	36	4.3	102	36	3.7	22	36	4.3	218	36	2.9		
	15.88	16	8.8	42	3.7	88	42	3.2	19	42	3.7	189	42	2.5		
	18.36	18	7.6	48	3.2	76	48	2.8	16	48	3.2	163	48	2.2		
	19.2	19	7.3	50	3.1	73	50	2.7	16	50	3.1	156	50	2.1		
	22.2	22	6.3	58	2.7	63	58	2.3	14	58	2.7	135	58	1.8		
	25.01	25	5.6	66	2.4	56	66	2.1	12	66	2.4	120	66	1.6		
	26.9	27	5.2	70	2.2	52	70	1.9	11	70	2.2	112	70	1.5		
	28.9	29	4.8	76	2.0	48	76	1.8	10	76	2.0	104	76	1.4		
	35.0	35	4.0	92	1.7	40	92	1.5	8.6	92	1.7	86	92	1.1		
	45.6	46	3.1	120	1.3	31	120	1.1	6.6	120	1.3	66	120	0.9		
3	50.9	51	2.8	125	2.3	28	125	2.0	5.9	125	2.3	59	125	1.6		
	58.9	59	2.4	144	2.0	24	144	1.7	5.1	144	2.0	51	144	1.4		
	68.06	68	2.1	167	1.7	21	167	1.5	4.4	167	1.7	44	167	1.2		
	71.2	71	2.0	174	1.6	20	174	1.4	4.2	174	1.6	42	174	1.1		
	78.7	79	1.8	193	1.5	18	193	1.3	3.8	193	1.5	38	193	1.0		
	92.7	93	1.5	227	1.3	15	227	1.1	3.2	227	1.3	32	227	0.9		
	95.2	95	1.5	233	1.2	15	233	1.1	3.2	233	1.2	32	233	0.8		
	99.5	100	1.4	244	1.2	14	244	1.0	3.0	244	1.2	30	244	0.8		
	107.2	107	1.3	263	1.1	13	263	1.0	2.8	263	1.1	28	263	0.7		
	115.07	115	1.2	282	1.0	12	282	0.9	2.6	282	1.0	26	270	0.7		
	123.97	124	1.1	304	0.9	11	304	0.8	2.4	304	0.9	24	270	0.7		
	129.62	130	1.1	318	0.9	11	318	0.8	2.3	318	0.9	23	270	0.7		
	139.13	139	1.0	341	0.8	10	341	0.7	2.2	341	0.8	22	270	0.7		
	149.9	150	0.9	367	0.8	9.3	350	0.7	2.0	367	0.8	20	270	0.7		
	168.84	169	0.8	400	0.7	8.3	350	0.7	1.8	400	0.7	18	270	0.7		
	181.24	181	0.8	400	0.7	7.7	350	0.7	1.7	400	0.7	17	270	0.7		
195.26	195	0.7	400	0.7	7.2	350	0.7	1.5	400	0.7	15	270	0.7			
236.09	236	0.6	400	0.7	5.9	350	0.7	1.3	400	0.7	13	270	0.7			
307.54	308	0.5	400	0.7	4.6	350	0.7	1.0	400	0.7	10	270	0.7			

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM105 con motore brushless CC

PM105 with brushless DC motor

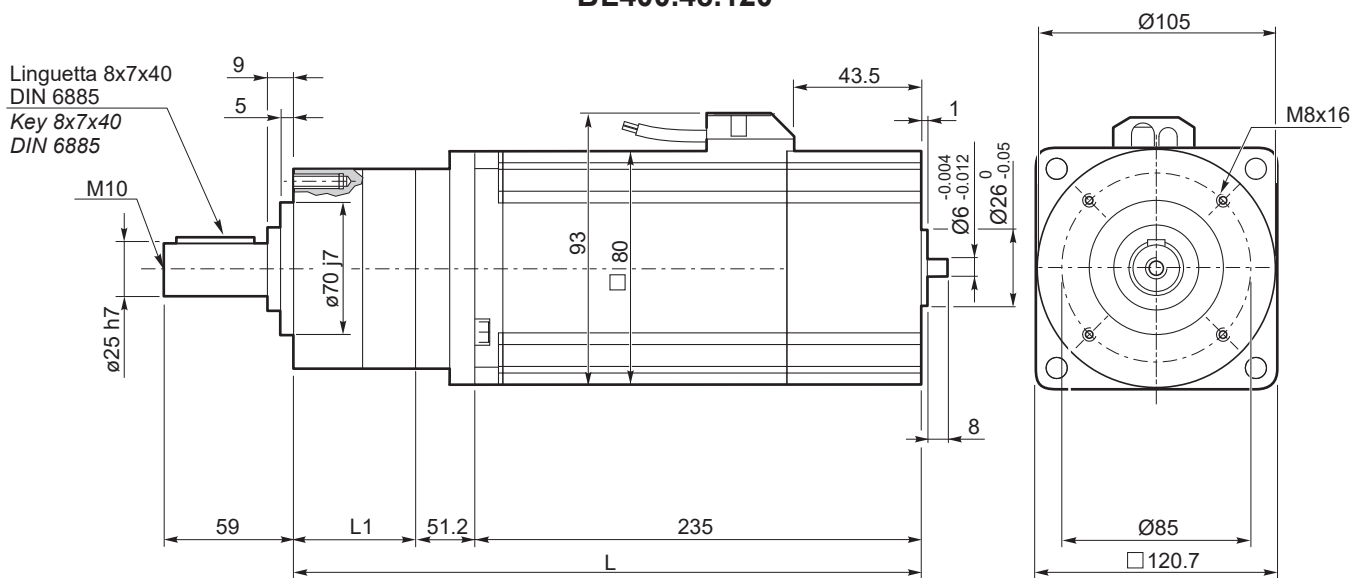
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Servizio Service	Tensione nominale Rated voltage [V]	Velocità nominale Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]	Coppia di picco Peak torque [Nm]	Corrente nominale Rated current [A]	Corrente di picco Peak current [A]
BL400.48.120	8	3	S3	48	3000	4.2	1320	8.4	33	99
			S1			3.5	1100	7.0	28	84
			S3	24	1400	4.2	615	8.4	33	99
			S1			3.5	515	7.0	28	84

Tipo Type	Resistenza fase-fase Line to line resistance [Ω]	Induttanza fase-fase Line to line inductance [mH]	Costante di coppia Torque constant [Nm/A]	Costante FCEM Back EMF [V/kRPM]	Inerzia rotore Rotor inertia [gcm ²]	Peso Weight [kg]
BL400.48.120	0.064	0.31	0.120	12.6	21380	11

Azionamenti Drives

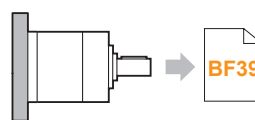


PM105.. + BL400.48.120

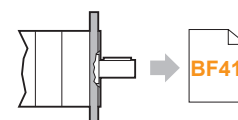


16.6 (PM105 1..)
18.2 (PM105 2..)
20.8 (PM105 3..)

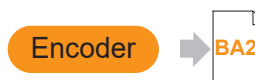
PM105	BL 400.48.120		
	Ns	L1	L
	1	75.7	361.9
	2	106.9	393.1
	3	137.9	424.1



PM105.. AS...

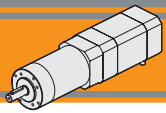


PM105.. C...



Encoder

IP 55
PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

PM120 con motore brushless CC

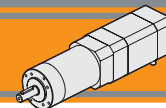
PM120 with brushless DC motor

PM120			BL400.48.120													
			24V						48V							
Ns	ir	in	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]	n _{2MIN} [rpm]			n _{2MAX} [rpm]			n _{1MAX} [rpm]
			M ₂ [Nm]	sf		M ₂ [Nm]	sf			M ₂ [Nm]	sf		M ₂ [Nm]	sf		
1	3.7	4	38	10	7.1	378	10	6.2	1400	81	10	7.1	811	10	4.8	3000
	6.75	7	21	19	3.9	207	19	3.4		44	19	3.9	444	19	2.6	
2	13.73	14	10	36	6.1	102	36	5.3		22	36	6.1	218	36	4.2	
	25.01	25	5.6	66	3.4	56	66	2.9		12	66	3.4	120	66	2.3	
	45.6	46	3.1	120	1.8	31	120	1.6		6.6	120	1.8	66	120	1.3	
3	50.9	51	2.8	125	3.5	28	125	3.1		5.9	125	3.5	59	125	2.4	
	92.7	93	1.5	227	1.9	15	227	1.7		3.2	227	1.9	32	227	1.3	
	168.84	169	0.8	414	1.1	8.3	414	0.9		1.8	414	1.1	18	400	0.7	
	307.54	308	0.5	600	0.7	4.6	540	0.7		1.0	600	0.7	10	400	0.7	

NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

NOTE: for continuous or highly intermittent duty, please contact our technical service

Attenzione: superamento della coppia nominale supportata dal riduttore per servizio S1. Contattare il ns. servizio tecnico
 Attention: rated torque withstood by gear reducer for service in S1 is exceeded. Please, contact our technical office.



PM120 con motore brushless CC

PM120 with brushless DC motor

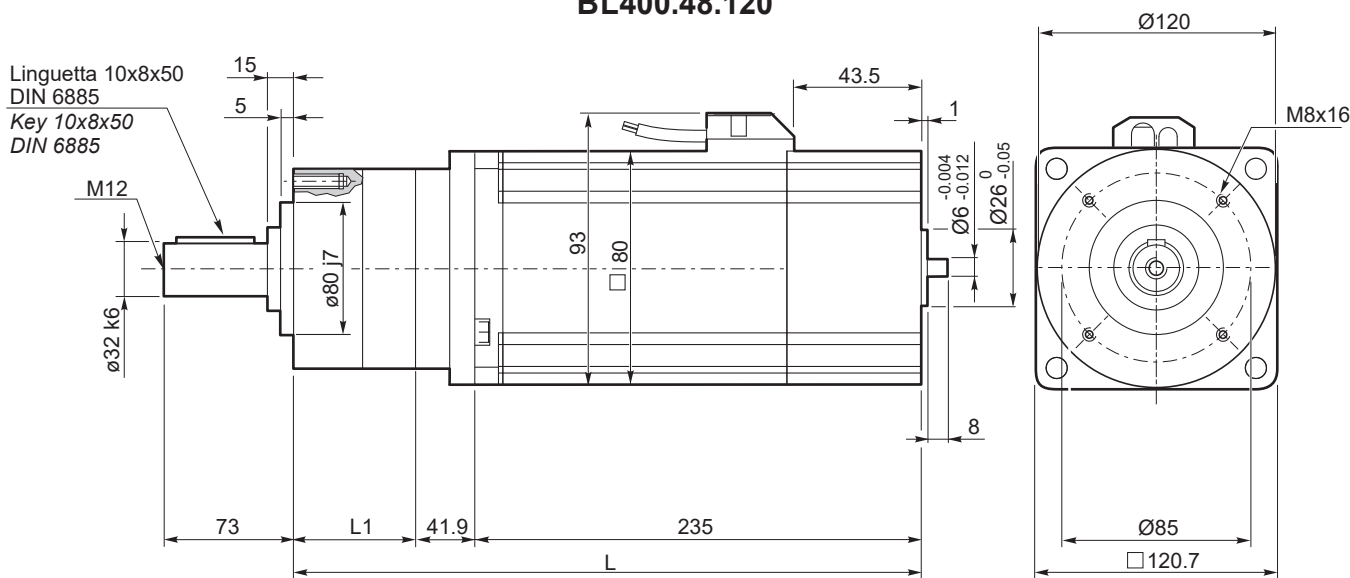
Tipo Type	Numero di poli Number of poles	Numero di fasi Number of phase	Servizio Service	Tensione nominale Rated voltage [V]	Velocità nominale Rated speed [rpm]	Coppia nominale Rated torque [Nm]	Potenza nominale Rated power [W]	Coppia di picco Peak torque [Nm]	Corrente nominale Rated current [A]	Corrente di picco Peak current [A]
BL400.48.120	8	3	S3	48	3000	4.2	1320	8.4	33	99
			S1			3.5	1100	7.0	28	84
			S3	24	1400	4.2	615	8.4	33	99
			S1			3.5	515	7.0	28	84

Tipo Type	Resistenza fase-fase Line to line resistance [Ω]	Induttanza fase-fase Line to line inductance [mH]	Costante di coppia Torque constant [Nm/A]	Costante FCEM Back EMF [V/kRPM]	Inerzia rotore Rotor inertia [gcm ²]	Peso Weight [kg]
BL400.48.120	0.064	0.31	0.120	12.6	21380	11

Azionamenti Drives

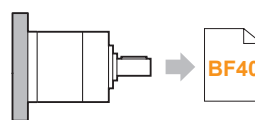


PM120 + BL400.48.120

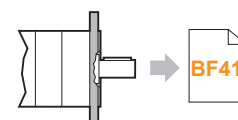


18.0 (PM120 1..)
20.4 (PM120 2..)
22.8 (PM120 3..)

PM120	BL 400.48.120		
	Ns	L1	L
	1	89.2	378.6
	2	123.3	412.3
3	157.5	446.5	



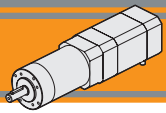
PM120.. AS...



PM120.. C...

IP 55

PM



Motoriduttori brushless CC epicicloidali

Brushless DC planetary gearmotors

Dati tecnici

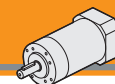
Technical data

Ns	i	Mn ₂ [Nm]													
		PM42		PM52		PM62		PM72		PM81		PM105		PM120	
		3000 rpm	1400 rpm	3000 rpm	1400 rpm	3000 rpm	1400 rpm	3000 rpm	1400 rpm	3000 rpm	1400 rpm	3000 rpm	1400 rpm	3000 rpm	1400 rpm
1	3.70													50	64
	4.28*	3	3.9	4	5.1	8	10	14	18	20	25	35	45	—	—
	5.18*													—	—
	6.75													50	64
2	13.73	7.5	9.6	12	15	25	32	42	54	60	77	105	134	150	192
	15.88*													—	—
	18.36*													—	—
	19.20*													—	—
	22.20*													—	—
	25.01													150	192
	26.85*													—	—
	28.93*													—	—
	34.97*													—	—
	45.56													150	192
3	50.89	15	19	25	32	50	64	84	107	120	154	195	250	300	384
	58.85*													—	—
	68.06*													—	—
	71.16*													—	—
	78.71*													—	—
	92.70													300	384
	95.17*													—	—
	99.50*													—	—
	107.20*													—	—
	115.07*													—	—
	123.97*													—	—
	129.62*													—	—
	139.13*													—	—
	149.90*													—	—
	168.84													300	384
	181.24*													—	—
195.26*	—	—													
236.09*	—	—													
307.54	300	384													

Rapporti preferenziali per PM42, PM52, PM62 e PM81
Preferred ratios for PM42, PM52, PM62 and PM81

Disponibili 4 stadi con rapporti fino a 2076 / Available 4 stages with ratio up to 2076

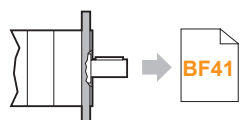
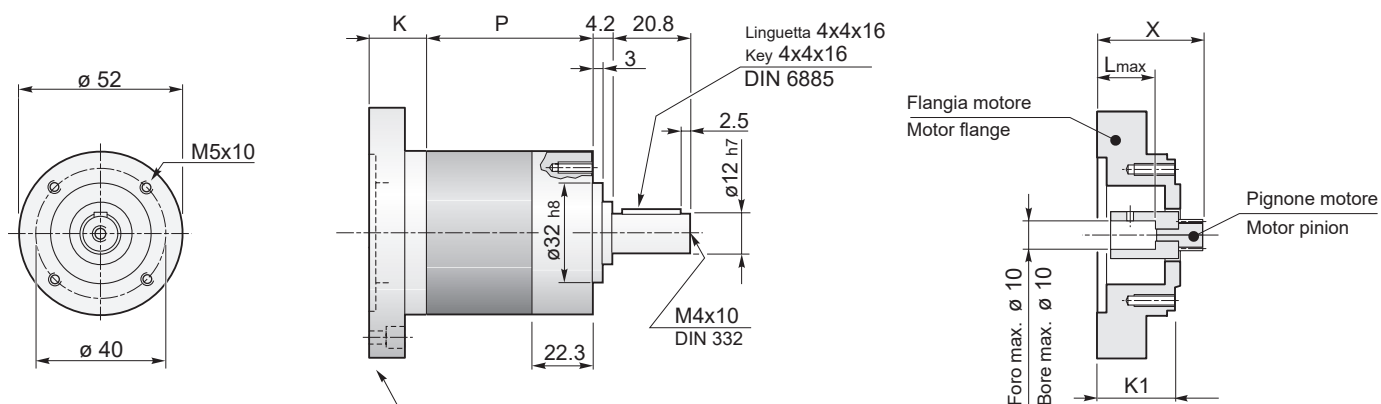
*: Rapporto non disponibile per PM120 / Ratio not available for PM120



Dimensioni PM con flange motore AS

PM dimensions with motor flanges AS

PM52 U



PM52.. C...

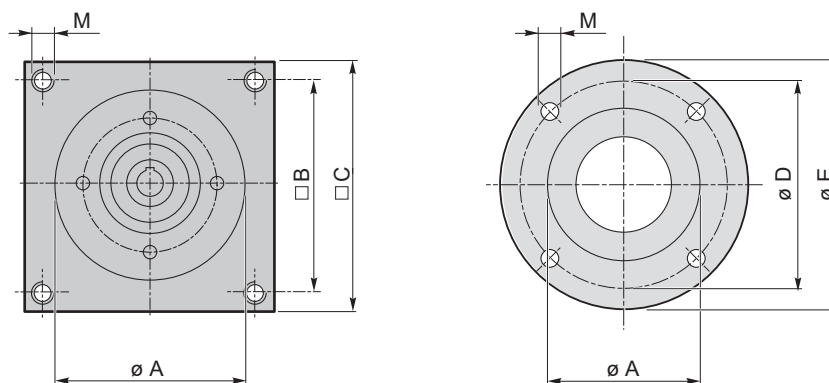
Lo spessore della flangia è variabile in funzione delle diverse lunghezze dell'albero motore.

Flange's thickness may vary depending on motorshaft's length.

		Lunghezza riduttore Gearbox length		Kg
		P		
PM52...	1	47.2	0.7	
	2	61.3	0.9	
	3	75.6	1.1	

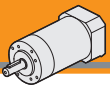
Flange motore

Motor flanges



Dimensioni / Dimensions											
Flangia Flange	Tipo motore Motor type	$\varnothing A$	$\square B$	$\square C$	$\varnothing D$	$\varnothing E$	M	K	K1	L _{max}	X
4A.0578APM	IEC 56B14	50	-	-	65	80	n°4 - $\varnothing 5.5$	25.9	28.2	20	38.5
AS115PM	EC050...	25	-	-	40	52	n°4 - $\varnothing 5.5$	25.9	28.2	20	38.5
AS189PM	BL032...BL043...	25	-	-	38.88	57	n°4 - $\varnothing 4.5$	30.9	33.2	25	43.5
AS394PM	BLS022...BLS043...	38.1	47.1	57	-	-	n°4 - M5	28.9	31.2	23	41.5
...	

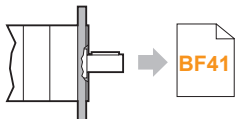
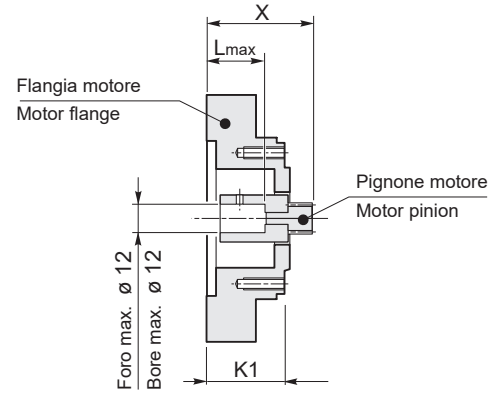
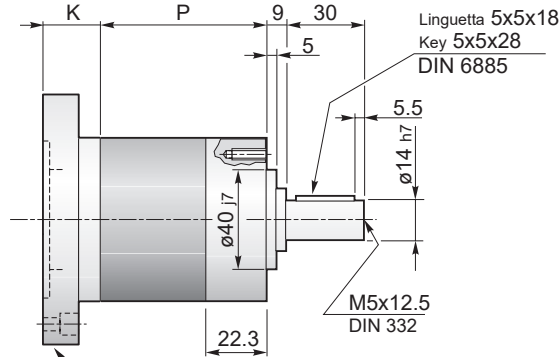
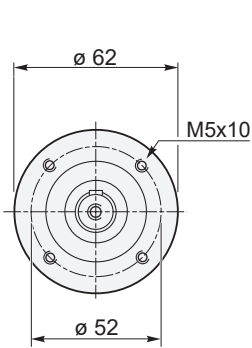
Preferenziali / Preferred



Dimensioni PM con flange motore AS

PM dimensions with motor flanges AS

PM62 U



PM62.. C...

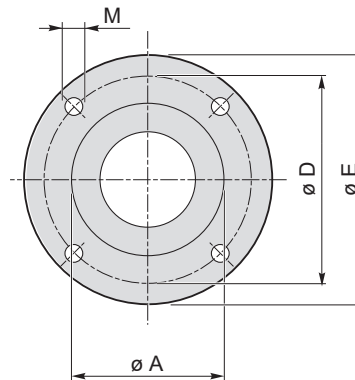
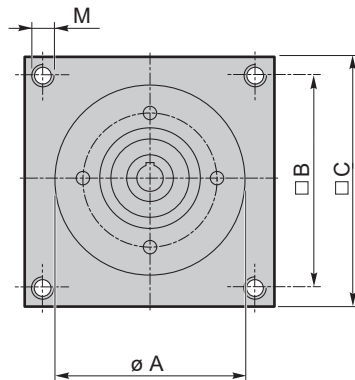
Lo spessore della flangia è variabile in funzione delle diverse lunghezze dell'albero motore.

Flange's thickness may vary depending on motorshaft's lenght.

		Lunghezza riduttore Gearbox length	
		P	
PM62...	1	45.3	0.8
	2	62.2	1.2
	3	79.2	1.6

Flange motore

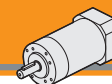
Motor flanges



Dimensioni / Dimensions

Flangia Flange	Tipo motore Motor type	øA	□B	□C	øD	øE	M	K	K1	L _{max}	X
AS244PM	IEC 56B14	50	-	-	65	79	4 - 5.5	26	28.3	20	41
AS61PM	IEC 63B14	60	-	-	75	89	4 - 5.5	28.5	30.8	23	43.5
AS344PM	BL032...BL043...	25	-	-	38.88	62	4 - 4.5	30.5	32.8	25	45.5
AS389PM	BL070...BL140...BL210...	73	69.6	86	-	-	4 - M5	28.5	30.8	23	44.3
...	

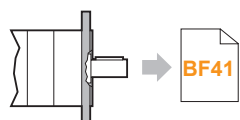
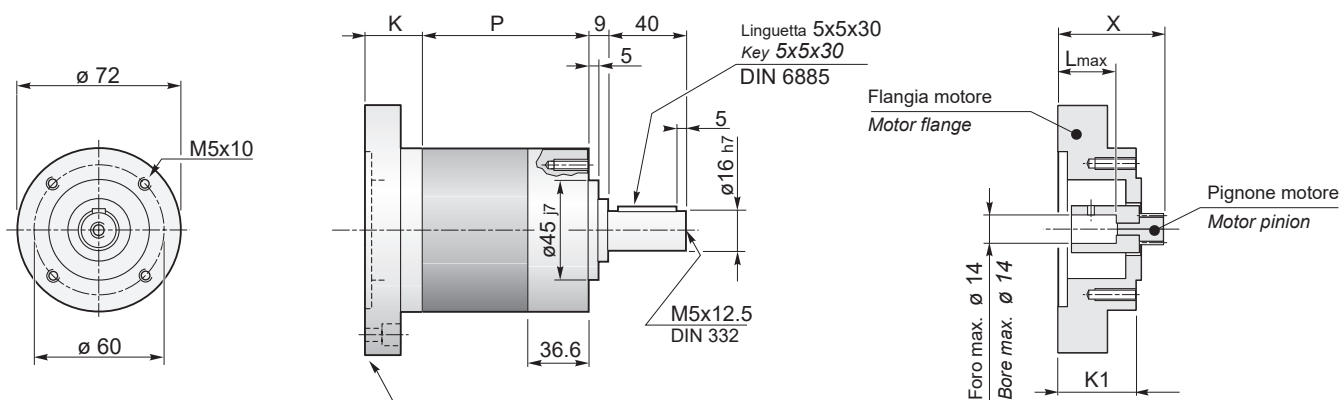
Preferenziali / Preferred



Dimensioni PM con flange motore AS

PM dimensions with motor flanges AS

PM72 U



PM72.. C...

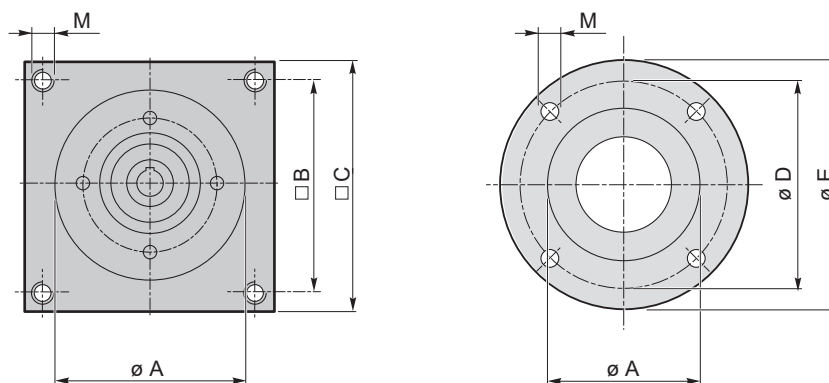
Lo spessore della flangia è variabile in funzione delle diverse lunghezze dell'albero motore.

Flange's thickness may vary depending on motorshaft's length.

	Lunghezza riduttore Gearbox length		Kg
	P		
PM72...	1	56.2	1.4
	2	75.8	1.9
	3	95.3	2.4

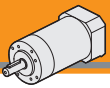
Flange motore

Motor flanges



Dimensioni / Dimensions

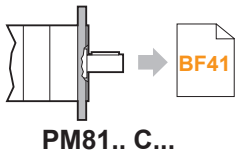
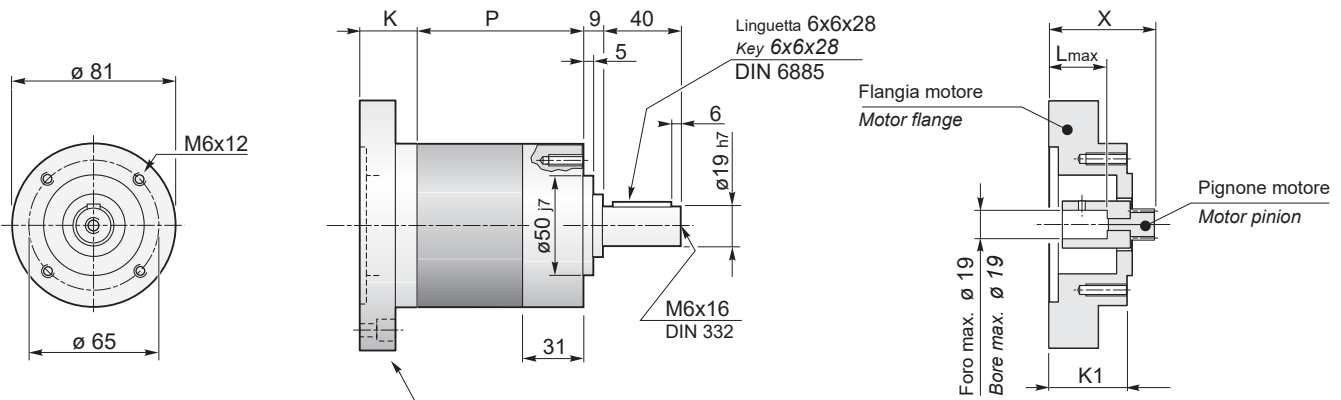
Flangia Flange	Tipo motore Motor type	øA	□B	□C	øD	øE	M	K	K1	L _{max}	X
AS245	IEC 56B14	50	-	-	65	80	4 - 5.5	26.7	29.5	20	44.1
AS246	IEC 63B14	60	-	-	75	90	4 - 5.5	28.7	31.5	23	46.1
AS247	IEC 71B14	70	-	-	85	105	4 - 6.5	35.7	38.5	30	53.1
AS464	BL070.. BL140.. BL210..	73	69.6	86	-	-	4 - M5	28.5	31.3	23	45.9
...	



Dimensioni PM con flange motore AS

PM dimensions with motor flanges AS

PM81 U



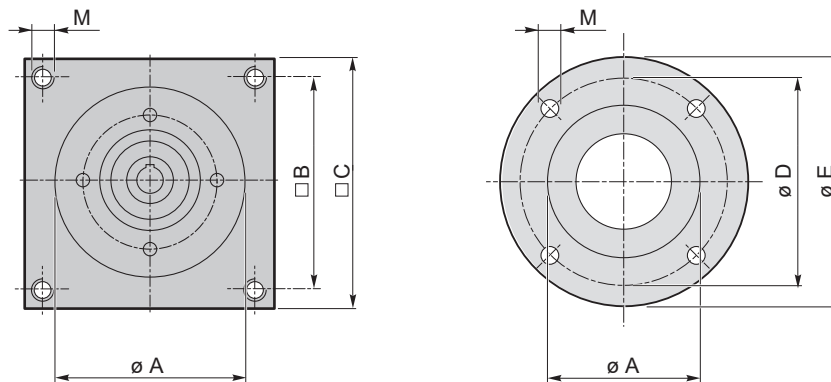
Lo spessore della flangia è variabile in funzione delle diverse lunghezze dell'albero motore.

Flange's thickness may vary depending on motorshaft's length.

		Lunghezza riduttore Gearbox length		Kg
		P		
PM62...	1	62.5	1.8	
	2	83.8	2.5	
	3	105.5	3.2	

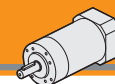
Flange motore

Motor flanges



Dimensioni / Dimensions											
Flangia Flange	Tipo motore Motor type	øA	□B	□C	øD	øE	M	K	K1	L _{max}	X
AS248PM	IEC 56B14	50	-	-	65	81	4 - 5.5	32.9	35.7	23	51.5
AS249PM	IEC 63B14	60	-	-	75	90	4 - 5.5	32.4	35.2	23	51
AS254PM	IEC 71B14	70	-	-	85	105	4 - 6.5	39.4	42.2	30	58
AS280PM	IEC 80B14	80	-	-	100	120	4 - 6.5	49.4	52.5	40	68
AS390PM	BL070...BL140...BL210...	73	69.6	86	-	-	4 - M5	32.4	35.2	23	51
...	

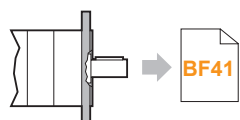
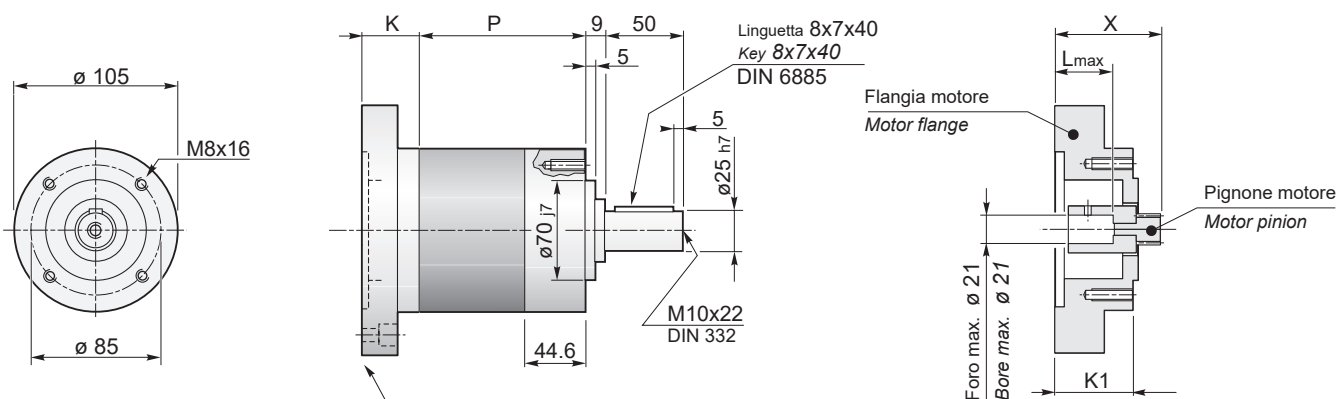
Preferenziali / Preferred



Dimensioni PM con flange motore AS

PM dimensions with motor flanges AS

PM105 U



PM105.. C...

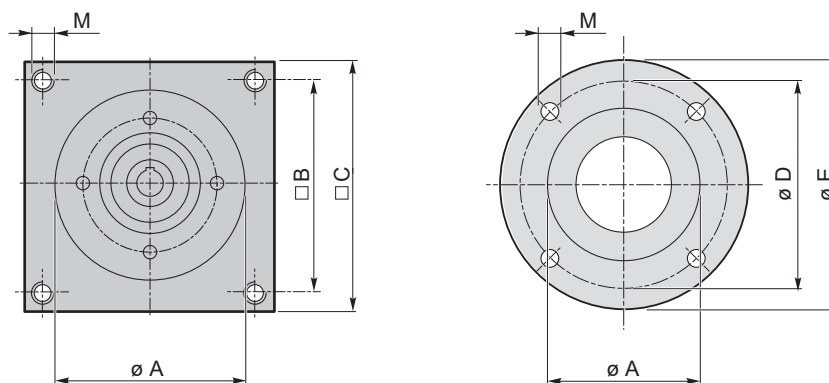
Lo spessore della flangia è variabile in funzione delle diverse lunghezze dell'albero motore.

Flange's thickness may vary depending on motorshaft's lenght.

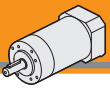
	Lunghezza riduttore Gearbox length		Kg
	P		
PM105...	1	75.7	4.4
	2	106.9	6.0
	3	137.9	7.6

Flange motore

Motor flanges



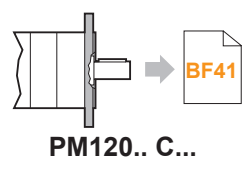
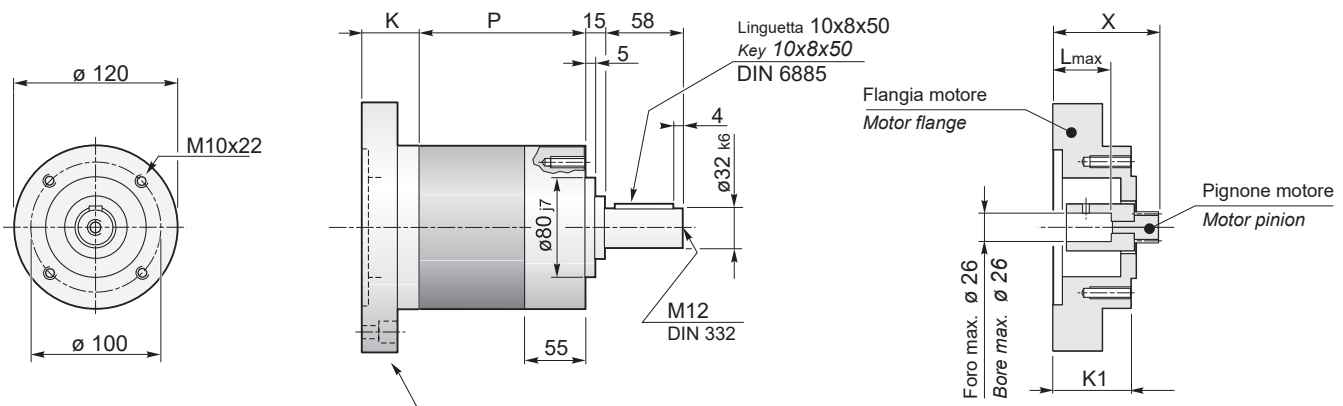
Dimensioni / Dimensions											
Flangia Flange	Tipo motore Motor type	øA	□B	□C	øD	øE	M	K	K1	L _{max}	X
AS250	IEC 56B14	50	-	-	65	105	4 - 5.5	37.2	40	26	60.8
AS251	IEC 63B14	60	-	-	75	105	4 - 5.5	37.2	40	26	60.8
AS252	IEC 71B14	70	-	-	85	105	4 - 6.5	41.2	44	30	64.8
AS281	IEC 80B14	80	-	-	100	120	4 - 6.5	51.2	54	40	74.8
4A.2958	BL070.. BL140.. BL210..	73	69.6	105	-	-	4 - M5	39.2	42	28	62.8
...	



Dimensioni PM con flange motore AS

PM dimensions with motor flanges AS

PM120 U

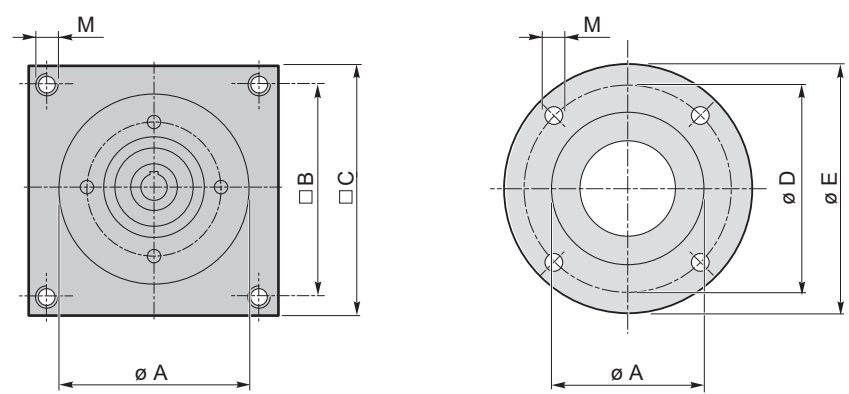


Lo spessore della flangia è variabile in funzione delle diverse lunghezze dell'albero motore.
Flange's thickness may vary depending on motorshaft's lenght.

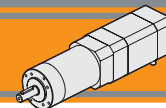
		Lunghezza riduttore Gearbox length	
		P	
PM120...	1	89.2	5.6
	2	123.3	8.0
	3	157.5	10.4

Flange motore

Motor flanges



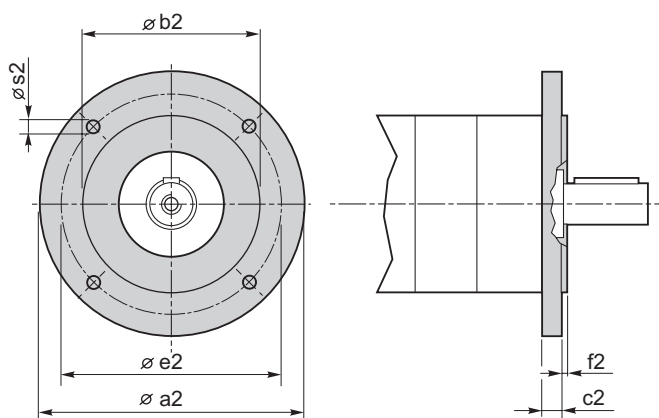
Dimensioni / Dimensions											
Flangia Flange	Tipo motore Motor type	øA	□B	□C	øD	øE	M	K	K1	L _{max}	X
AS255	IEC 56B14	50	-	-	65	120	4 - 5,5	41.9	44.7	28	70.7
AS256	IEC 63B14	60	-	-	75	120	4 - 5,5	41.9	44.7	28	70.7
AS257	IEC 71B14	70	-	-	85	120	4 - 6,5	43.9	46.8	30	72.8
AS282	IEC 80B14	80	-	-	100	120	4 - 6,5	53.9	56.8	40	82.8
AS283	IEC 90B14	95	-	-	100	140	4 - 8,5	63.9	66.8	50	92.8
...	



Dimensioni flange uscita

Output flange dimensions

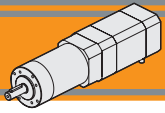
PM.. C..



PM	Flange uscita / Output flanges						Flangia Flange
	a2	b2	c2	e2	f2	s2	
52	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
62	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
72	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	M5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
81	90	60 j7	9	75	2.5	M5	C90
	105	70 j7	9	85	2.5	M6	C105
	120	80 j7	9	100	3.0	6.5	C120
105	120	80 j7	12	100	3	M6	C120
	140	95 j7	12	115	3.5	M8	C140
	160	110 j7	12	130	3.5	M8	C160
120	140	95 j7	15	115	3	M8	C140
	160	110 j7	15	130	3.5	M8	C160

IP 55

PM



Note/Notes

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