

MINI  **TECNO**™
small but strong

NDP
ECP

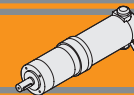
Motoriduttori CC epicicloidali
DC planetary gearmotors



MINI  **TECNO**™ brand of
TRANSTECNO®



DC



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Caratteristiche tecniche

Technical features


I motoriduttori CC epicicloidali a magneti permanenti in neodimio **NDP** e in ferrite **ECP** hanno le seguenti caratteristiche principali:


NDP neodymium permanent magnets and **ECP** ferrite permanent magnets DC planetary gearmotors range has the following main features:

- Alimentazione in bassa tensione 12/24 Vcc
- Possibilità di montaggio encoder e freno
- Potenze motore disponibili da 100 a 500W S2
- Entrata ed uscita coassiali
- Design compatto
- Lubrificazione permanente a grasso
- Possono essere installati in qualunque posizione di montaggio.
- Low voltage power supply 12/24 Vdc
- Suitable for encoder and brake assembly
- Motor power ratings available from 100 up to 500W S2
- In-line input and output
- Compact design
- Permanent grease oil long-life lubrication
- Can be intalled in all mounting position.

Designazione

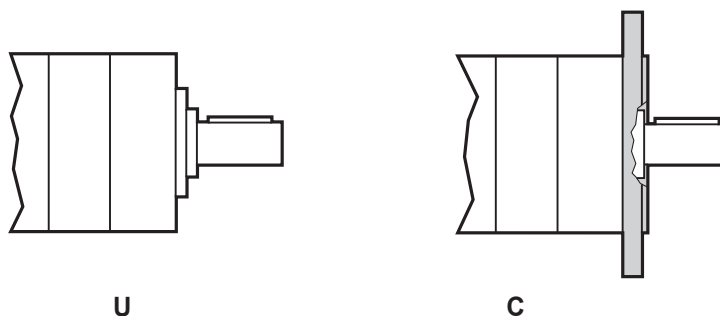
Classification

MOTORIDUTTORE / GEARMOTOR								
NDP	120/62		2	C	90	34.97	120	BR
Tipo Type	Grandezza Size		Stadi riduttore Gearbox stages	Versione riduttore Gearbox Version	Flangia uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
NDP 	120/52 120/62	180/52 180/62	1 2 3	U C	80 90 105 120	Vedere tabella See tables	120 240	BR BRL

MOTORIDUTTORE / GEARMOTOR														
ECP	070/62							2	C	90	34.97	120	BR	
Tipo Type	Grandezza Size							Stadi riduttore Gearbox stages	Versione riduttore Gearbox Version	Flangia Uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options	
ECP 	020/42	035/42 035/52	050/42 050/52	070/52 070/62	100/52 100/62	180/52 180/62	250/62	350/62	1 2 3	U C	80 90 105 120	Vedere tabella See tables	120 240 24E	BR BRL

Versioni

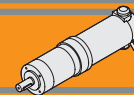
Versions



Simbologia

Symbols

n_1 [min ⁻¹]	Velocità in ingresso / Input speed	sf	Fattore di servizio / Service factor
n_2 [min ⁻¹]	Velocità in uscita / Output speed	Rd %	Rendimento dinamico / Dynamic efficiency
i	Rapporto di riduzione / Ratio	A ₂ [N]	Carico assiale ammissibile in uscita / Permitted output axial load
P ₁ [kW]	Potenza in entrata / Input power	R ₂ [N]	Carico radiale ammissibile in uscita / Permitted output radial load
M ₂ [Nm]	Coppia in uscita in funzione di P ₁ / Output torque referred to P ₁		



Lubrificazione

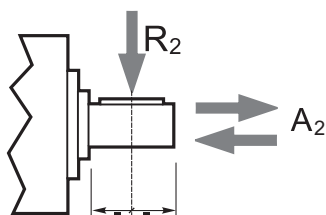
Lubrication

I riduttori epicicloidali sono lubrificati in modo permanente, non richiedono quindi ulteriore manutenzione. Questo gli consente di essere installati praticamente ovunque.

Planetary gearboxes are life-time lubricated with grease, therefore they are maintenance free. They can be installed in any location.

Carichi radiali

Radial loads



Numero di stadi Stages number	Carichi Radiali R_2 [N] / Radial Load R_2 [N]		
	PM42	PM52	PM62
1	160	200	240
2	230	320	360
3	300	450	520

Numero di stadi Stages number	Carichi Assiali A_2 [N] / Axial Load A_2 [N]		
	PM42	PM52	PM62
1	50	60	70
2	80	100	100
3	110	150	150

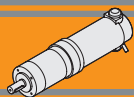
Rapporti

Ratios

Numero di stadi Stages number	Per tutte le grandezze di riduttori della serie P For all gearbox sizes of P range
	Rapporti / Ratios
1	3.70
	4.28
	5.18
2	6.75
	13.73
	15.88
	18.36
	19.20
	22.20
	25.01
	26.85
	28.93
34.97	
3	45.56
	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 PM42, PM52, PM62.
Preferred ratios for PM42, PM52, PM62.**

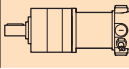
Disponibile a 4 stadi con rapporti fino a 2076
Available 4 stages with ratio up to 2076

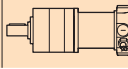


Dati tecnici per servizio S2


NDP

Technical data for S2 duty

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version		
160								
(3000 min ⁻¹)	811	2	2.6	3.70	NDP120/521	120/240		
	701	2	2.3	4.28				
	579	2	1.9	5.18				
	444	3	1.5	6.75				
	218	5	2.3	13.73	NDP120/522	120/240		
	189	6	2.0	15.88				
	163	7	1.7	18.36				
	156	7	1.6	19.20				
	135	8	1.4	22.20				
	120	10	1.3	25.01				
	112	10	1.2	26.85				
	104	11	1.1	28.93				
	86	13	0.9	34.97				
	66	17	0.7	45.56				
	59	18	1.4	50.89			NDP120/523	120/240
	51	21	1.2	58.85				
	44	24	1.0	68.06				
	42	25	1.0	71.16				
	38	28	0.9	78.71				
	32	33	0.8	92.70				
	32	34	0.7	95.17				
	30	36	0.7	99.50				
	28	36	0.7	107.20				
	26	36	0.7	115.07				
	24	36	0.7	123.97				
	23	36	0.7	129.62				
	22	36	0.7	139.13				
	20	36	0.7	149.90				
	18	36	0.7	168.84				
	17	36	0.7	181.24				
	15	36	0.7	195.26				
	13	36	0.7	236.09				
	9.8	36	0.7	307.54				
	579	2	3.8	5.18	NDP120/621	120/240		
	444	3	2.9	6.75				
	218	5	4.8	13.73	NDP120/622	120/240		
	189	6	4.1	15.88				
	163	7	3.6	18.36				
	156	7	3.4	19.20				
	135	8	2.9	22.20				
	120	10	2.6	25.01				
	112	10	2.4	26.85				
	104	11	2.3	28.93				
	86	13	1.9	34.97				
	66	17	1.4	45.56				

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version
160						
(3000 min ⁻¹)	59	18	2.8	50.89	NDP120/623	120/240
	51	21	2.4	58.85		
	44	24	2.1	68.06		
	42	25	2.0	71.16		
	38	28	1.8	78.71		
	32	33	1.5	92.70		
	32	34	1.5	95.17		
	30	36	1.4	99.50		
	28	38	1.3	107.20		
	26	41	1.2	115.07		
	24	44	1.1	123.97		
	23	46	1.1	129.62		
	22	50	1.0	139.13		
	20	54	0.9	149.90		
	18	60	0.8	168.84		
	17	65	0.8	181.24		
	15	70	0.7	195.26		
	13	71	0.7	236.09		
	9.8	71	0.7	307.54		

250

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version
(3000 min ⁻¹)	811	2	1.7	3.70	NDP180/521	120/240
	701	3	1.5	4.28		
	579	3	1.2	5.18		
	444	4	0.9	6.75		
	218	8	1.5	13.73	NDP180/522	120/240
	189	10	1.3	15.88		
	163	11	1.1	18.36		
	156	12	1.0	19.20		
	135	13	0.9	22.20		
	120	15	0.8	25.01		
	112	16	0.7	26.85		
	104	17	0.7	28.93		
	86	17	0.7	34.97		
	66	17	0.7	45.56		

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

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

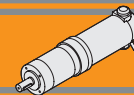
NOTA

Per sf=0.7 verificare che la coppia utilizzata non ecceda il valore M2 indicato.

NOTE

For sf=0.7 check that the duty torque does not exceed the value M2

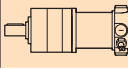
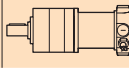
Motoriduttori preferenziali / Preferred gearmotors



Dati tecnici per servizio S2

NDP

Technical data for S2 duty

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version	P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version	
250							250							
(3000 min ⁻¹)	59	28	0.9	50.89	NDP180/523	120/240	(3000 min ⁻¹)	59	28	1.8	50.89	NDP180/623	120/240	
	51	33	0.8	58.85				51	33	1.5	58.85			
	44	36	0.7	68.06				44	38	1.3	68.06			
	42	36	0.7	71.16				42	40	1.3	71.16			
	38	36	0.7	78.71				38	44	1.1	78.71			
	32	36	0.7	92.70				32	52	1.0	92.70			
	32	36	0.7	95.17				32	53	0.9	95.17			
	30	36	0.7	99.50				30	56	0.9	99.50			
	28	36	0.7	107.20				28	60	0.8	107.20			
	26	36	0.7	115.07				26	64	0.8	115.07			
	24	36	0.7	123.97				24	69	0.7	123.97			
	23	36	0.7	129.62				23	71	0.7	129.62			
	22	36	0.7	139.13				22	71	0.7	139.13			
	20	36	0.7	149.90				20	71	0.7	149.90			
	18	36	0.7	168.84				18	71	0.7	168.84			
	17	36	0.7	181.24				17	71	0.7	181.24			
	15	36	0.7	195.26				15	71	0.7	195.26			
	13	36	0.7	236.09				13	71	0.7	236.09			
	9.8	36	0.7	307.54				9.8	71	0.7	307.54			
	811	2	3.4	3.70			NDP180/621	120/240						
	701	3	2.9	4.28										
	579	3	2.4	5.18										
	444	4	1.9	6.75										
	218	8	3.0	13.73	NDP180/622	120/240								
	189	10	2.6	15.88										
	163	11	2.3	18.36										
	156	12	2.2	19.20										
	135	13	1.9	22.20										
	120	15	1.7	25.01										
	112	16	1.6	26.85										
	104	17	1.4	28.93										
	86	21	1.2	34.97										
	66	27	0.9	45.56										

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


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

NOTA

Per sf=0.7 verificare che la coppia utilizzata non ecceda il valore M2 indicato.

NOTE

For sf=0.7 check that the duty torque does not exceed the value M2

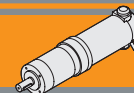
 Motoriduttori preferenziali / Preferred gearmotors

Dati tecnici elettrici

Electrical technical data

ND 120 → 

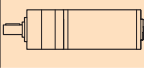
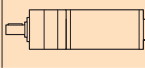
ND 180 → 



Dati tecnici per servizio S2

ECP

Technical data for S2 duty

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version	P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version					
70							100											
(2850 min ⁻¹)	59	7.8	1.9	50.89	ECP050/423	12E/24E	(3000 min ⁻¹)	811	0.92	4.4	3.70	ECP070/521	120/240					
	51	9.1	1.7	58.85					701	1.1	3.8			4.28				
	44	10	1.4	68.06					579	1.3	3.1			5.18				
	42	11	1.4	71.16					444	1.7	2.4			6.75				
	38	12	1.2	78.71														
	32	14	1.1	92.70					218	3.2	3.8			13.73	ECP070/522	120/240		
	31	15	1.0	95.17					189	3.7	3.3			15.88				
	30	15	1.0	99.50					163	4.3	2.8			18.36				
	28	17	0.9	107.20					156	4.5	2.7			19.20				
	26	18	0.8	115.07					135	5.2	2.3			22.20				
	24	19	0.8	123.97					120	5.8	2.1			25.01				
	23	20	0.8	129.62					112	6.2	1.9			26.85				
	22	21	0.7	139.13					104	6.7	1.8			28.93				
	20	21	0.7	149.90					86	8.1	1.5			34.97				
	18	21	0.7	168.84					66	11	1.1			45.56				
	17	21	0.7	181.24														
	15	21	0.7	195.26					59	11	2.3			50.89	ECP070/523	120/240		
	13	21	0.7	236.09					51	13	2.0			58.85				
	9.8	21	0.7	307.54			44	15	1.7	68.06								
							42	15	1.6	71.16								
	163	3.0	4.0	18.36	ECP050/522	12E/24E	38	17	1.5	78.71								
	156	3.2	3.8	19.20					32	20	1.2	92.70						
	135	3.7	3.3	22.20					31	21	1.2	95.17						
	120	4.1	2.9	25.01					30	22	1.2	99.50						
	112	4.4	2.7	26.85					28	23	1.1	107.20						
	104	4.8	2.5	28.93					26	25	1.0	115.07						
	86	5.8	2.1	34.97					24	27	0.9	123.97						
	66	7.5	1.6	45.56					23	28	0.9	129.62						
									22	30	0.8	139.13						
	59	7.8	3.2	50.89			ECP050/523	12E/24E	20	33	0.8	149.90						
	51	9.1	2.8	58.85					18	36	0.7	168.84						
	44	10	2.4	68.06					17	36	0.7	181.24						
	42	11	2.3	71.16					15	36	0.7	195.26						
	38	12	2.1	78.71					13	36	0.7	236.09						
	32	14	1.8	92.70					9.8	36	0.7	307.54						
	31	15	1.7	95.17														
	30	15	1.6	99.50					120.0	5.8	4.3	25.01	ECP070/622	120/240				
	28	17	1.5	107.20					112	6.2	4.0	26.85						
	26	18	1.4	115.07					104	6.7	3.7	28.93						
	24	19	1.3	123.97					86	8.1	3.1	34.97						
	23	20	1.3	129.62					66	11	2.4	45.56						
	22	21	1.2	139.13														
	20	23	1.1	149.90					59	11	4.5	50.89			ECP070/623	120/240		
	18	26	1.0	168.84					51	13	3.9	58.85						
	17	28	0.9	181.24					44	15	3.4	68.06						
	15	30	0.8	195.26					42	15	3.2	71.16						
	13	36	0.7	236.09					38	17	2.9	78.71						
	9.8	36	0.7	307.54			32	20	2.5	92.70								
							31	21	2.4	95.17								
							30	22	2.3	99.50								
							28	23	2.1	107.20								
							26	25	2.0	115.07								
							24	27	1.9	123.97								
							23	28	1.8	129.62								
							22	30	1.7	139.13								
							20	33	1.5	149.90								
							18	37	1.4	168.84								
							17	39	1.3	181.24								
							15	42	1.2	195.26								
							13	51	1.0	236.09								
							9.8	67	0.7	307.54								

NOTA

Per sf=0.7 verificare che la coppia utilizzata non ecceda il valore M2 indicato.

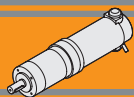
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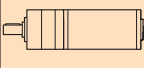
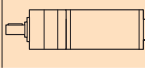
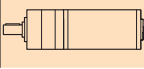
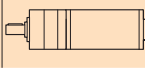
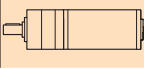
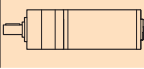
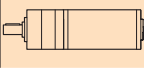
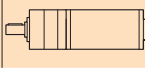
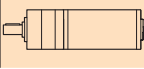
For sf=0.7 check that the duty torque does not exceed the value M2

 Motoriduttori preferenziali / Preferred gearmotors

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

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

**ECP****Motoriduttori CC epicicloidali**
DC planetary gearmotors**Dati tecnici per servizio S2****ECP****Technical data for S2 duty**

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version	P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version							
140							140													
(3000 min ⁻¹)	811	1.3	3.1	3.70		ECP100/521	120/240/24E	(3000 min ⁻¹)	59	15	3.3	50.89		ECP100/623	120/240/24E					
	701	1.5	2.7	4.28					51	18	2.8	58.85								
	579	1.8	2.2	5.18					44	20	2.4	68.06								
	444	2.3	1.7	6.75					42	21	2.3	71.16								
	218	4.4	2.7	13.73		ECP100/522	120/240/24E		38	24	2.1	78.71		32	28	1.8	92.70			
	189	5.1	2.3	15.88					31	29	1.7	95.17								
	163	5.9	2.0	18.36					30	30	1.7	99.50								
	156	6.2	1.9	19.20					28	32	1.5	107.20								
	135	7.2	1.7	22.20					26	35	1.4	115.07								
	120	8.1	1.5	25.01					24	37	1.3	123.97								
	112	8.7	1.4	26.85					23	39	1.3	129.62								
	104	9.3	1.3	28.93					22	42	1.2	139.13								
	86	11	1.1	34.97					20	45	1.1	149.90								
	66	15	0.8	45.56					18	51	1.0	168.84								
	59	15	1.6	50.89					ECP100/523	120/240/24E		17	55	0.9	181.24		17	55	0.9	181.24
	51	18	1.4	58.85								15	59	0.9	195.26					
	44	20	1.2	68.06								13	71	0.7	236.09					
	42	21	1.2	71.16								9.8	71	0.7	307.54					
	38	24	1.1	78.71																
	32	28	0.9	92.70																
	31	29	0.9	95.17																
	30	30	0.8	99.50																
	28	32	0.8	107.20																
	26	35	0.7	115.07																
	24	36	0.7	123.97																
	23	36	0.7	129.62																
	22	36	0.7	139.13																
	20	36	0.7	149.90																
	18	36	0.7	168.84																
	17	36	0.7	181.24																
	15	36	0.7	195.26																
	13	36	0.7	236.09																
	9.8	36	0.7	307.54																
	444	2.3	3.4	6.75		ECP100/621	120/240/24E		59	28	0.9	50.89		ECP180/523	120/240					
	156	6.2	4.0	19.20					51	33	0.8	58.85								
	135	7.2	3.5	22.20					44	36	0.7	68.06								
	120	8.1	3.1	25.01					42	36	0.7	71.16								
	112	8.7	2.9	26.85		ECP100/622	120/240/24E		38	36	0.7	78.71		32	36	0.7	92.70			
	104	9.3	2.7	28.93					31	36	0.7	95.17								
	86	11	2.2	34.97					30	36	0.7	99.50								
	66	15	1.7	45.56					28	36	0.7	107.20								
									26	36	0.7	115.07								
									24	36	0.7	123.97								
									23	36	0.7	129.62								
									22	36	0.7	139.13								
									20	36	0.7	149.90								
									18	36	0.7	168.84								
									17	36	0.7	181.24								
									15	36	0.7	195.26								
									13	36	0.7	236.09								
									9.8	36	0.7	307.54								

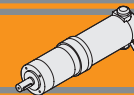
NOTA

Per sf=0.7 verificare che la coppia utilizzata non ecceda il valore M2 indicato.

NOTE

For sf=0.7 check that the duty torque does not exceed the value M2

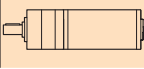
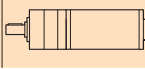
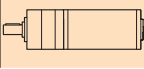
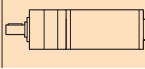
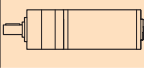
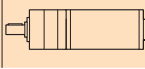
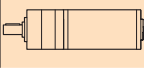
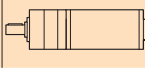
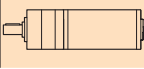
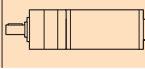
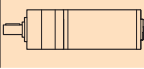
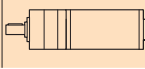
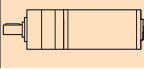
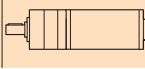
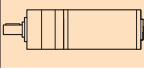
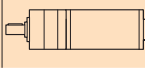
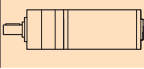
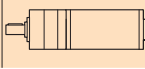
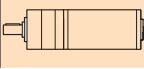
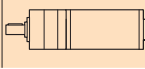
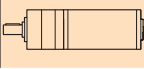
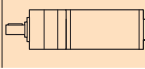
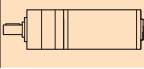
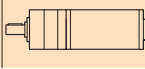
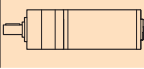
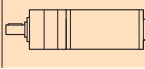
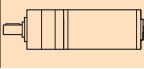
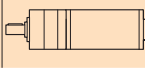
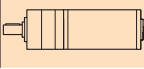
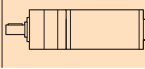
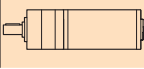
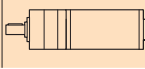
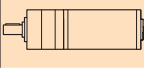
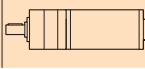
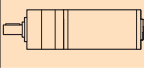
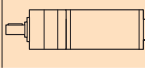
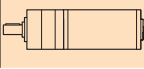
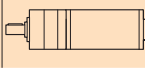
Motoriduttori preferenziali / Preferred gearmotors**NOTA:** per servizio continuo o altamente intermittente, contattare il servizio tecnico**NOTE:** for continuous or highly intermittent duty, please contact our technical service



Dati tecnici per servizio S2

ECP

Technical data for S2 duty

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version	P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version		
250							350								
(3000 min ⁻¹)	811	2.4	3.4	3.70		ECP180/621	120/240/24E	(3000 min ⁻¹)	59	39.9	1.3	50.89		ECP250/623	120/240
	701	2.7	2.9	4.28					51	46.1	1.1	58.85			
	579	3.3	2.4	5.18					44	53.4	0.9	68.06			
	444	4.3	1.9	6.75					42	55.8	0.9	71.16			
	218	8.2	3.0	13.73		ECP180/622	120/240/24E		38	61.7	0.8	78.71		ECP250/623	120/240
	189	9.5	2.6	15.88					32	72.7	0.7	92.70			
	163	11	2.3	18.36					32	74.6	0.7	95.17			
	156	12	2.2	19.20					30	71.0	0.7	99.50			
	135	13	1.9	22.20		ECP180/623	120/240/24E		28	71.0	0.7	107.20		ECP250/623	120/240
	120	15	1.7	25.01					26	71.0	0.7	115.07			
	112	16	1.6	26.85					24	71.0	0.7	123.97			
	104	17	1.4	28.93					23	71.0	0.7	129.62			
	86	21	1.2	34.97		ECP180/623	120/240/24E		22	71.0	0.7	139.13		ECP250/623	120/240
	66	27	0.9	45.56					20	71.0	0.7	149.90			
	59	28	1.8	50.89					18	71.0	0.7	168.84			
	51	33	1.5	58.85					17	71.0	0.7	181.24			
	44	38	1.3	68.06		ECP180/623	120/240/24E		15	71.0	0.7	195.26		ECP250/623	120/240
	42	40	1.3	71.16					13	71.0	0.7	236.09			
	38	44	1.1	78.71					9.8	71.0	0.7	307.54			
	32	52	1.0	92.70											
	31	53	0.9	95.17		ECP180/623	120/240/24E		17	71.0	0.7	181.24		ECP250/623	120/240
	30	56	0.9	99.50					15	71.0	0.7	195.26			
	28	60	0.8	107.20					13	71.0	0.7	236.09			
	26	64	0.8	115.07					9.8	71.0	0.7	307.54			
	24	69	0.7	123.97		ECP180/623	120/240/24E		17	71.0	0.7	181.24		ECP250/623	120/240
	23	71	0.7	129.62					15	71.0	0.7	195.26			
	22	71	0.7	139.13					13	71.0	0.7	236.09			
	20	71	0.7	149.90					9.8	71.0	0.7	307.54			
	18	71	0.7	168.84		ECP180/623	120/240/24E		17	71.0	0.7	181.24		ECP250/623	120/240
	17	71	0.7	181.24					15	71.0	0.7	195.26			
	15	71	0.7	195.26					13	71.0	0.7	236.09			
	13	71	0.7	236.09					9.8	71.0	0.7	307.54			
	9.8	71	0.7	307.54		ECP180/623	120/240/24E		17	71.0	0.7	181.24		ECP250/623	120/240
	9.8	71	0.7	307.54					15	71.0	0.7	195.26			
	9.8	71	0.7	307.54					13	71.0	0.7	236.09			
	9.8	71	0.7	307.54					9.8	71.0	0.7	307.54			
350							500								
(3000 min ⁻¹)	811	3.3	2.4	3.70		ECP250/621	120/240	(3000 min ⁻¹)	811	4.6	1.7	3.70		ECP350/621	120/240
	701	3.8	2.1	4.28					701	5.4	1.5	4.28			
	579	4.6	1.7	5.18					579	6.5	1.2	5.18			
	444	6.0	1.3	6.75					444	8.5	0.9	6.75			
	218	11.5	2.2	13.73		ECP250/622	120/240		218	16	1.5	13.73		ECP350/622	120/240
	189	13.3	1.9	15.88					189	19	1.3	15.88			
	163	15.4	1.6	18.36					163	22	1.2	18.36			
	156	16.1	1.6	19.20					156	23	1.1	19.20			
	135	18.6	1.3	22.20		ECP250/622	120/240		135	26	1.0	22.20		ECP350/622	120/240
	120	21.0	1.2	25.01					120	29	0.8	25.01			
	112	22.6	1.1	26.85					112	32	0.8	26.85			
	104	24.3	1.0	28.93					104	34	0.7	28.93			
	86	29.4	0.9	34.97		ECP250/622	120/240		86	36	0.7	34.97		ECP350/622	120/240
	66	38.3	0.7	45.56					66	36	0.7	45.56			
	59	56	0.9	50.89					59	56	0.9	50.89			
	51	65	0.8	58.85					51	65	0.8	58.85			
	44	71	0.7	68.06		ECP250/622	120/240		44	71	0.7	68.06		ECP350/622	120/240
	42	71	0.7	71.16					42	71	0.7	71.16			
	38	71	0.7	78.71					38	71	0.7	78.71			
	32	71	0.7	92.70					32	71	0.7	92.70			
	31	71	0.7	95.17		ECP250/622	120/240		31	71	0.7	95.17		ECP350/622	120/240
	30	71	0.7	99.50					30	71	0.7	99.50			
	28	71	0.7	107.20					28	71	0.7	107.20			
	26	71	0.7	115.07					26	71	0.7	115.07			
	24	71	0.7	123.97		ECP250/622	120/240		24	71	0.7	123.97		ECP350/622	120/240
	23	71	0.7	129.62					23	71	0.7	129.62			
	22	71	0.7	139.13					22	71	0.7	139.13			
	20	71	0.7	149.90					20	71	0.7	149.90			
	18	71	0.7	168.84		ECP250/622	120/240		18	71	0.7	168.84		ECP350/622	120/240
	17	71	0.7	181.24					17	71	0.7	181.24			
	15	71	0.7	195.26					15	71	0.7	195.26			
	13	71	0.7	236.09					13	71	0.7	236.09			
	9.8	71	0.7	307.54		ECP250/622	120/240		9.8	71	0.7	307.54		ECP350/622	120/240
	9.8	71	0.7	307.54					9.8	71	0.7	307.54			
	9.8	71	0.7	307.54					9.8	71	0.7	307.54			
	9.8	71	0.7	307.54					9.8	71	0.7	307.54			

NOTA
Per sf=0.7 verificare che la coppia utilizzata non ecceda il valore M2 indicato.

NOTE
For sf=0.7 check that the duty torque does not exceed the value M2




 Motoriduttori preferenziali / Preferred gearmotors

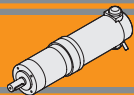
NOTA: per servizio continuo o altamente intermittente, contattare il servizio tecnico

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

Dati tecnici elettrici

Electrical technical data

EC020 → 	EC035 → 	EC050 → 	EC070 → 
EC100 → 	EC180 → 	EC250 → 	EC350 → 



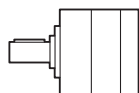
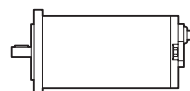
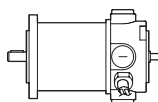
**NDP
ECP**

Motoriduttori CC epicicloidali DC planetary gearmotors



Motori applicabili

Motor adapters



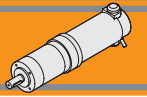
		ND		EC								
		120.120 120.240	180.120 180.240	020.120 020.24E	035.120 035.240	050.12E 050.24E	070.120 070.240	100.120 100.240 100.24E	180.120 180.240	180.24E	250.120 250.240	350.120 350.240
PM	42						*	*	*			
	52											
	62											



Combinazioni preferenziali / Preferred combinations



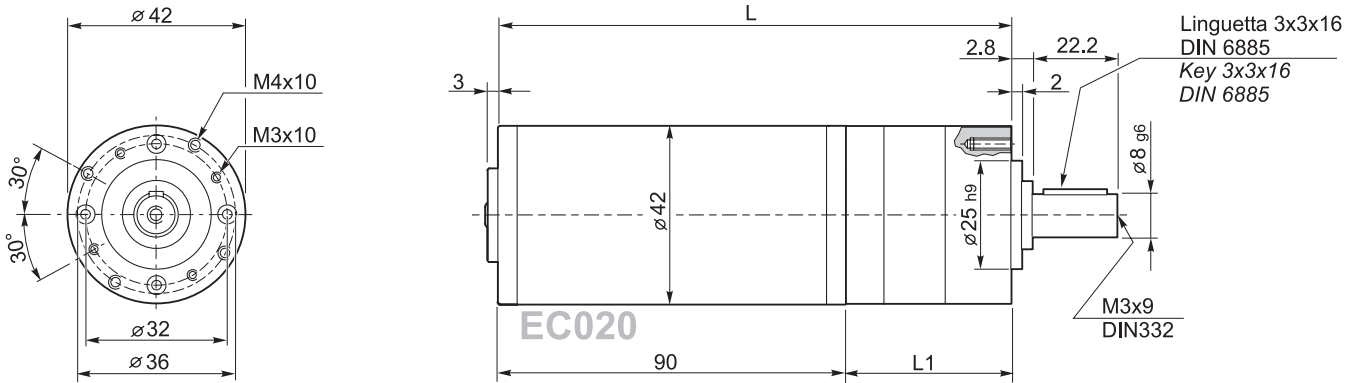
Contattare il nostro servizio tecnico / Please contact our technical department



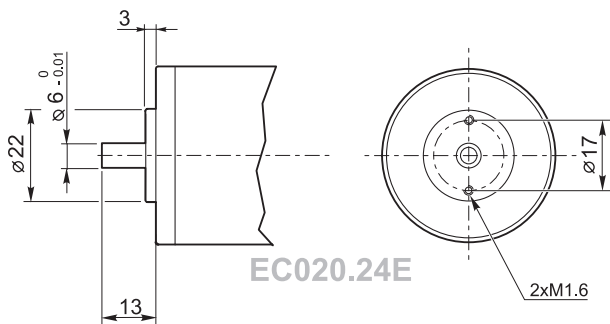
Dimensioni

Dimensions

ECP020/42... U

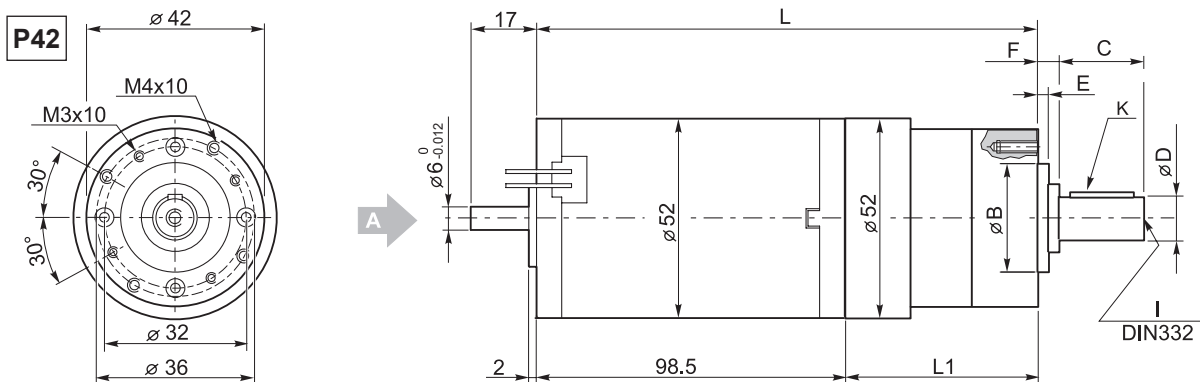


Encoder BB24

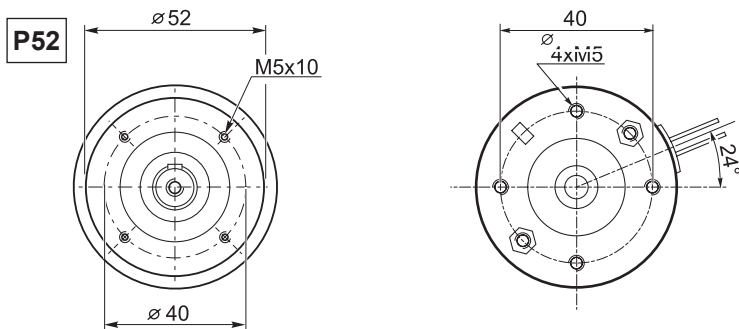


	Numero di stadi / Stages number		
ECP020/42...	1	2	3
L1	60.5	73.6	86.6
L	150.5	163.6	176.6

ECP035/... U

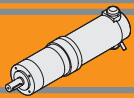


Vista / View
A



Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions								
		L1	L	B	C	D	E	F	I	K
ECP035/42...	1	60.5	159	25 h9	22.2	8 g6	2	2.8	M3x9	3x3x16
	2	73.6	172.1							
	3	86.6	185.1							
ECP035/52...	1	73.1	171.6	32 h8	20.8	12 h7	3	4.2	M4x10	4x4x16
	2	87.2	185.7							
	3	101.5	200							

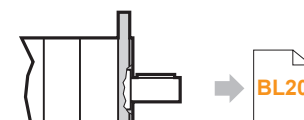
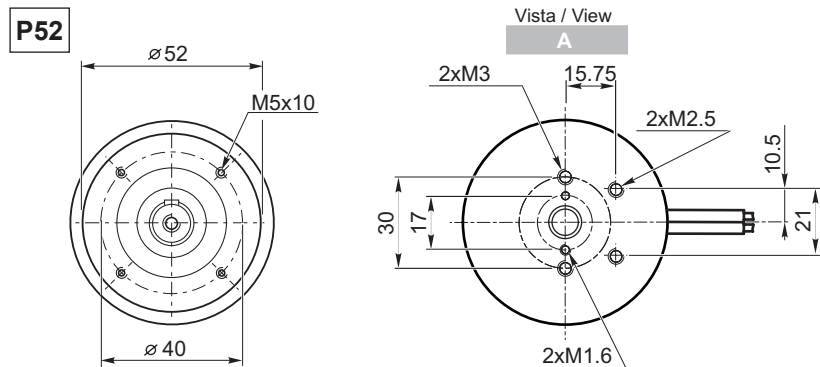
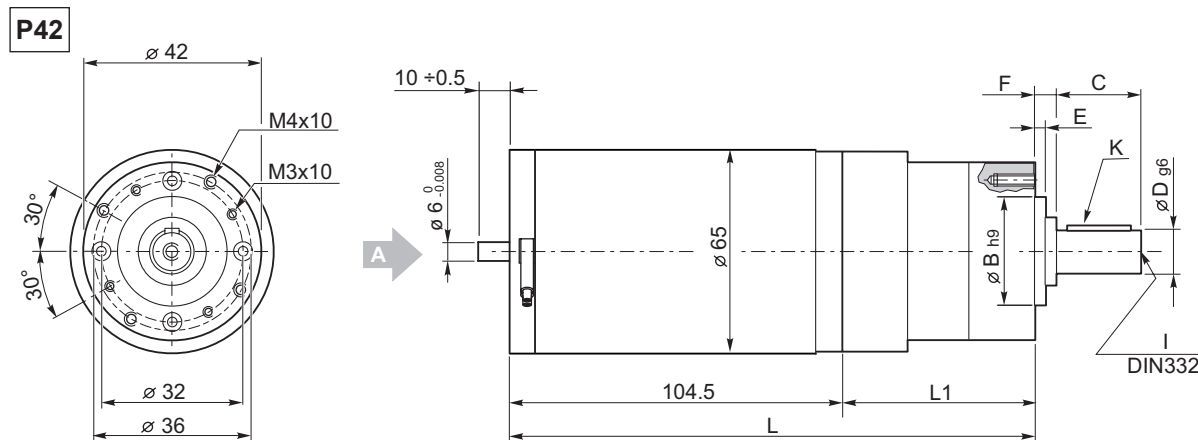
DC



Dimensioni

Dimensions

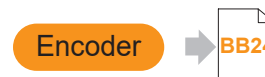
ECP050/... U



ECP050/... C...

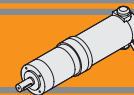


Freno / Brake



Encoder

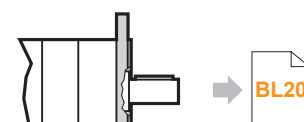
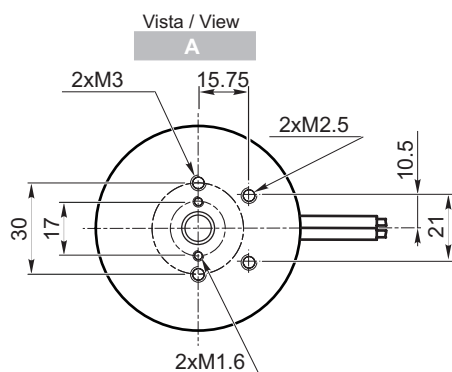
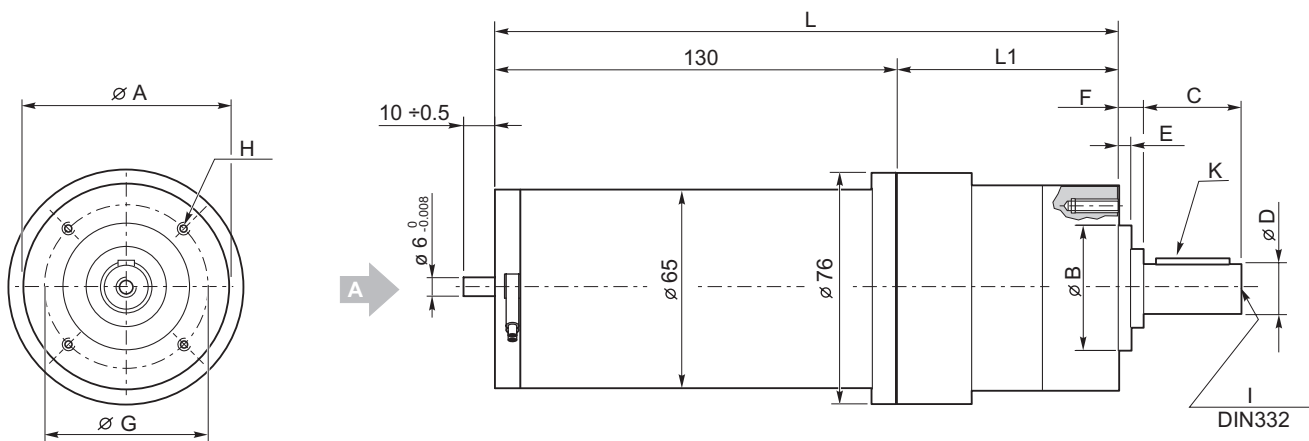
Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions								
		L1	L	B	C	D	E	F	I	K
ECP050/42...	1	60.5	165	25 h9	22.2	8 g6	2	2.8	M3x9	3x3x16
	2	73.6	178.1							
	3	86.6	191.1							
ECP050/52...	1	73.1	177.6	32 h8	20.8	12 h7	3	4.2	M4x10	4x4x16
	2	87.2	191.7							
	3	101.5	206							



Dimensioni

Dimensions

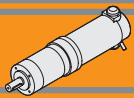
ECP070/... U



ECP070/... C...

- Motori / Motors IP66 → [BC2](#)
- Freno / Brake → [BB23](#)
- Encoder → [BB24](#)

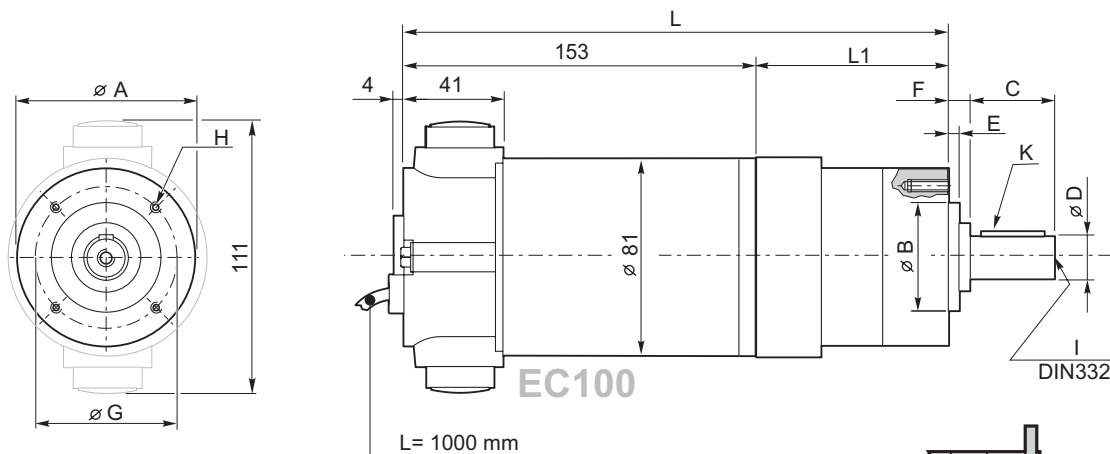
Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions											
		L1	L	A	B	C	D	E	F	G	H	I	K
ECP070/52...	1	73	203	52	32 h8	20.8	12 h7	3	4.2	40	M5x10	M4x10	4x4x16
	2	87.1	217.1										
	3	101.4	231.4										
ECP070/62...	1	72.8	202.8	62	40 j7	30	14 h7	5	9	52	M5x10	M5x12	5x5x18
	2	89.7	219.7										
	3	106.7	236.7										



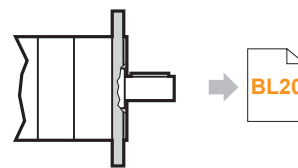
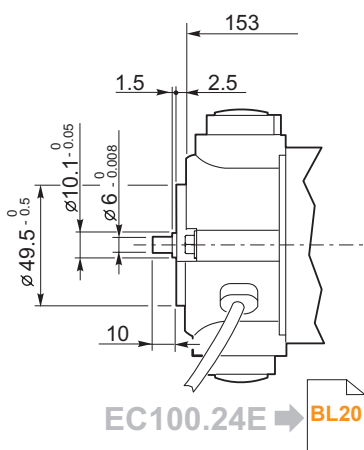
Dimensioni

Dimensions

ECP100/... U... 120/140



ECP100/... U... 24E



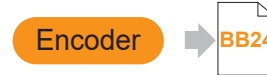
ECP100/... C...



Motori / Motors IP66

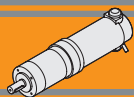


Freno / Brake



Encoder

Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions											
		L1	L	A	B	C	D	E	F	G	H	I	K
ECP100/52...	1	73	226	52	32 h8	20.8	12 h7	3	4.2	40	M5x10	M4x10	4x4x16
	2	87.1	240.1										
	3	101.4	254.4										
ECP100/62...	1	72.8	225.8	62	40 j7	30	14 h7	5	9	52	M5x10	M5x12	5x5x18
	2	89.7	242.7										
	3	106.7	259.7										



ECP

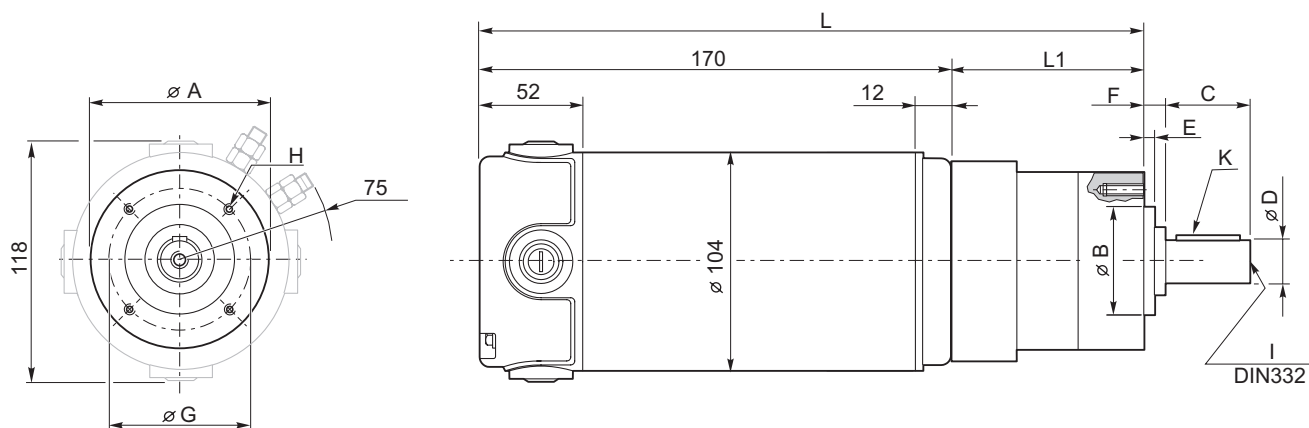
Motoriduttori CC epicicloidali
DC planetary gearmotors

MINI
TECNO

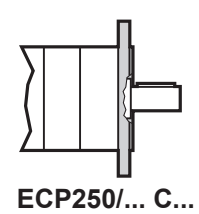
Dimensioni

Dimensions

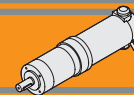
ECP250/... U



Motori / Motors IP66



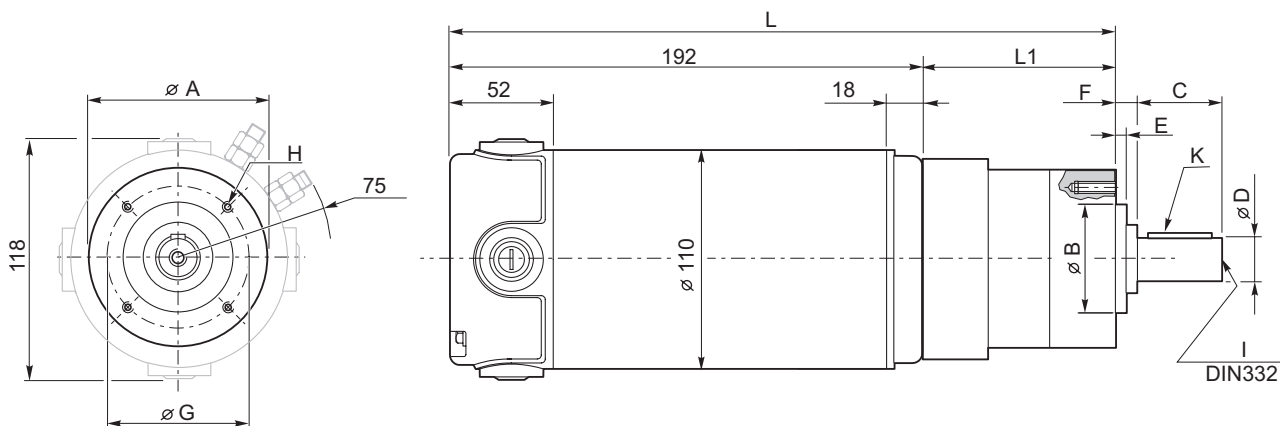
Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions											
		L1	L	A	B	C	D	E	F	G	H	I	K
ECP250/62...	1	74.5	244.5	62	40 j7	30	14 h7	5	9	52	M5x10	M5x12	5x5x18
	2	91.5	261.5										
	3	108.5	278.5										



Dimensioni

Dimensions

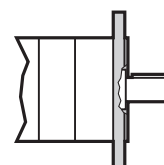
ECP350/... U



Motori / Motors IP66

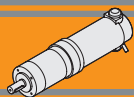


Freno / Brake



ECP350/... C...

Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions											
		L1	L	A	B	C	D	E	F	G	H	I	K
ECP350/62...	1	74.5	266.5	62	40 j7	30	14 h7	5	9	52	M5x10	M5x12	5x5x18
	2	91.5	283.5										
	3	108.5	300.5										



**NDP
ECP**

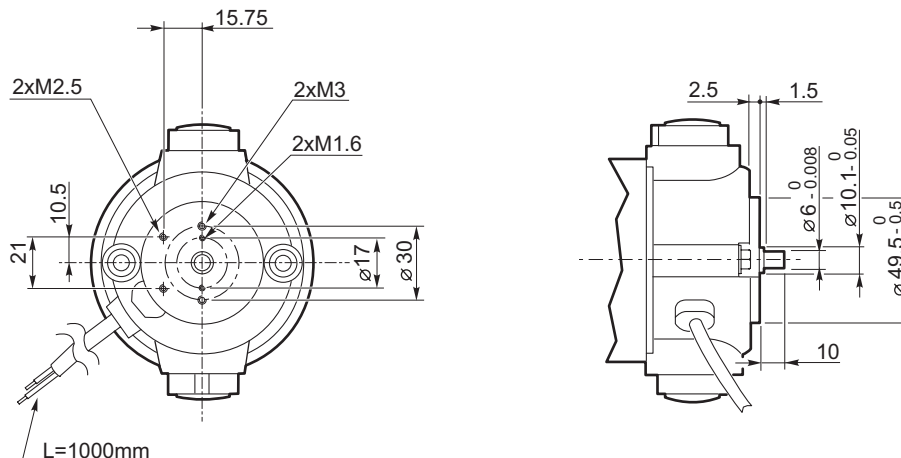
**Motoriduttori CC epicicloidali
DC planetary gearmotors**

**MINI
TECNO**

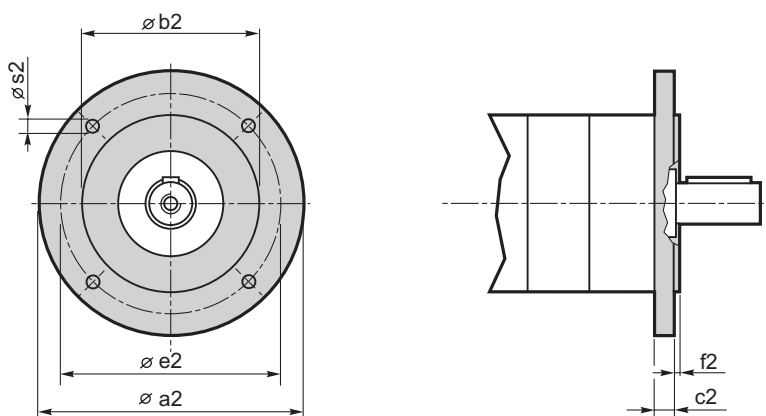
Dimensioni

Dimensions

**ECP100.24E
ECP180.24E**



NDP.../... C... - ECP.../... C... Flange uscita / Output flanges



Dimensioni / Dimensions							
PM	a2	b2	c2	e2	f2	s2	Flangia uscita Output flange
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

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