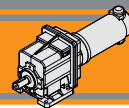




Ferrite

Motoriduttori CC ad ingranaggi cilindrici
DC helical in-line gearmotors

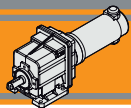




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Caratteristiche tecniche	<i>Technical features</i>	M2
Designazione	<i>Classification</i>	M2
Sensi di rotazione	<i>Direction of rotation</i>	M3
Lubrificazione	<i>Lubrication</i>	M3
Simbologia	<i>Symbols</i>	M3
Carichi radiali	<i>Radial loads</i>	M4
Motori applicabili	<i>IEC Motor adapters</i>	M4
Dati tecnici per servizio S2	<i>Technical data for S2 duty</i>	M5
Dimensioni	<i>Dimensions</i>	M9

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

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Caratteristiche tecniche

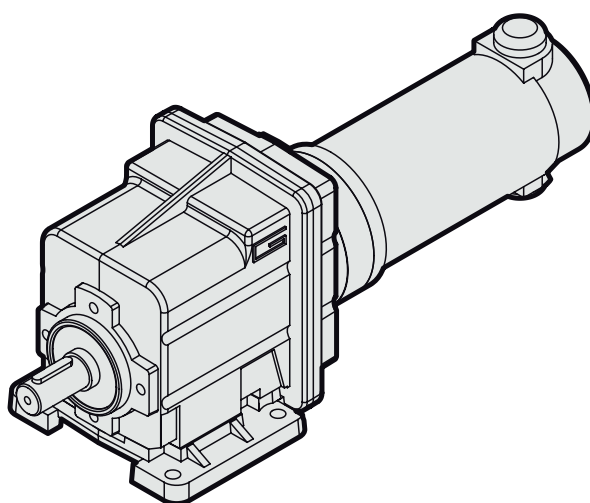
Le caratteristiche principali dei motoriduttori CC ad ingranaggi cilindrici a magneti permanenti in ferrite serie ECMG sono:

- Alimentazione in bassa tensione 12/24 Vcc
- Possibilità di montaggio encoder
- Potenze motore disponibili da 100 a 800W S2
- Magneti in ferrite
- Carcasse dei riduttori in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico
- Ingranaggi sempre rettificati
- Disponibili con giunto elastico in entrata

Technical features

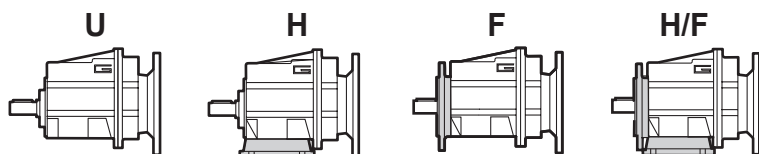
The main features of ECMG ferrite permanent magnets DC helical in-line gearmotors range are:

- Low voltage power supply 12/24 Vdc
- Suitable for encoder assembly
- Motor power ratings available from 100 to 800W S2
- Ferrite magnets
- Die-cast aluminum housing
- Permanent synthetic oil long-life lubrication
- Ground helical gears
- Input flexible coupling available

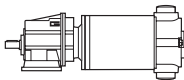



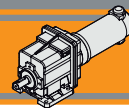
Designazione

Classification



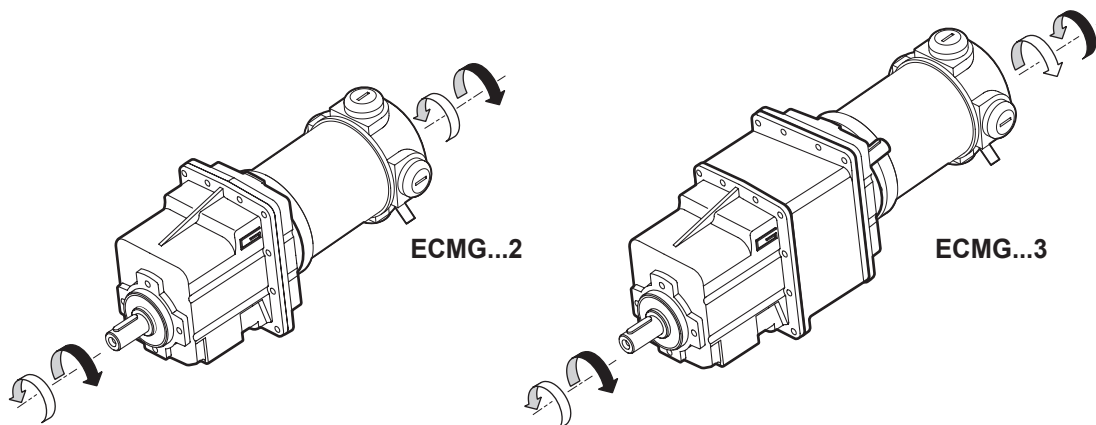
MOTORIDUTTORE / GEARMOTOR

ECMG	100/002						U	8.99	D20	240	FX
Tipo Type	Grandezza Size						Versione Version	Rapporto Ratio	Albero uscita Output shaft	Versione motore Motor version	Giunto elastico Flexible coupling
ECMG 	070/002	100/002	180/002	250/002	350/002	600/002	U... H... F... H.../F...	vedi tabelle see tables	vedi tabelle see tables	120 240 24E	FX 
	070/012	100/012	180/012	250/012	350/012	600/012					
	070/013	100/013	180/013	250/013	350/013	600/013					
	070/022	100/022	180/022	250/022	350/022	600/022					
	070/023	100/023	180/023	250/023	350/023	600/023					
	070/033	100/033	180/033	250/033	350/033	600/032					
	070/043	100/043	180/043	250/043	350/043	600/033					
						600/042					
						600/043					



Sensi di rotazione

Direction of rotation



Lubrificazione

Lubrication

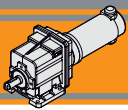
Tutti i riduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.

Simbologia

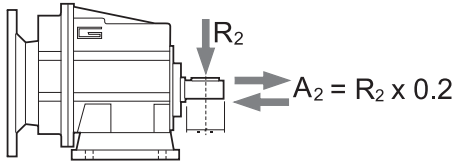
Symbols

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



Carichi radiali

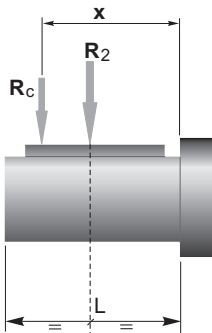
Radial loads



n_2 [min ⁻¹]	R_2 [N]				
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04
700	416	764	1529	1987	2379
600	437	805	1609	2092	2504
500	465	855	1710	2223	2661
400	501	921	1842	2395	2866
250	586	1077	2154	2801	3353
180	653	1323	2554	3321	3897
150	748	1406	2714	3529	4244
120	806	1631	3467	3801	4572
100	958	1842	3684	4507	5234
80	1032	1984	3969	5042	5991
60	1136	2184	4368	5549	6594
40	1300	2500	5000	6500	8000
10	1300	2500	5000	6500	8000

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

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



	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04
a	73	104	117	132	150
b	53	84	92	102	115
R_{2MAX}	1300	2500	5000	6500	8000

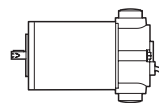
$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

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

Motori applicabili

IEC Motor adapters



		EC						
		070.12E 070.24E	100.120 100.240 100.24E	180.120 180.240	180.24E	250.120 250.240	350.120 350.240	600.120 600.240
CMG	002	5.03 - 55.10	5.03 - 55.10 *	5.03 - 55.10				
	012	3.82 - 60.15	3.82 - 60.15 *	3.82 - 60.15				
	013	63.22 - 443.59	63.22 - 443.59 *	63.22 - 443.59				
	022	3.66 - 60.90	3.66 - 60.90 *	3.66 - 60.90				
	023	64.01 - 449.14	64.01 - 449.14 *	64.01 - 449.14				
	032						**	3.74 - 60.80 (!)
	033	72.83 - 427.03	72.83 - 427.03 *	72.83 - 427.03				
	042						**	3.74 - 60.80 (!)
	043	72.83 - 427.03	72.83 - 427.03 *	72.83 - 427.03				

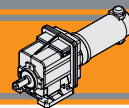
5.03 - 55.10

Rapporti di riduzione i
Ratio i

(!): Solo IEC 71B5 con giunto FX
71 B5 only with FX coupling

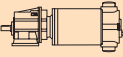
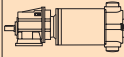
*: Motore inclinato con portaspazzole a 45°
Motor assembly with brush holder inclined 45°

** : Contattare il servizio tecnico
Please contact our technical service



Dati tecnici per servizio S2

Technical data for S2 duty

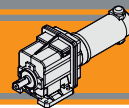
P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version	P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version		
100							140								
(3000 min ⁻¹)	596	1.5	20.2	5.03	070/002	12E/24E	(3000 min ⁻¹)	596	2.2	14.4	5.03	100/002	120/240/24E *		
	492	1.9	16.6	6.10		120.66/240.66			492	2.6	11.9		6.10	120.66/240.66	
	401	2.3	13.5	7.49					401	3.2	9.7		7.49		
	334	2.7	14.2	8.99					334	3.8	10.1		8.99		
	295	3.1	12.6	10.16					295	4.3	9.0		10.16		
	249	3.7	10.6	12.07					249	5.2	7.6		12.07		
	224	4.1	13.4	13.40					224	5.7	9.6		13.40		
	198	4.6	11.9	15.14					198	6.5	8.5		15.14		
	165	5.5	9.9	18.17					165	7.8	7.1		18.17		
	139	6.6	8.3	21.58					139	9.2	6.0		21.58		
	128	7.2	7.7	23.51					128	10	5.5		23.51		
	120	7.7	7.2	25.10					120	11	5.1		25.10		
	111	8.3	6.6	27.08					111	12	4.7		27.08		
	92	9.9	5.5	32.49					92	14	4.0		32.49		
	71	13	4.3	42.04					71	18	3.1		42.04		
	67	14	4.0	44.89					67	19	2.9		44.89		
	61	15	3.7	48.86					61	21	2.6		48.86		
	54	17	3.3	55.10					54	24	2.3		55.10		
	61	15	6.3	49.00	070/012	12E/24E		85	15	6.2	35.47	100/012	120/240/24E*		
	56	16	5.8	53.33		120.66/240.66			65	20	4.8		45.89	120.66/240.66	
	50	18	5.1	60.15					61	21	4.5		49.00		
	47	19	5.0	63.22	070/013	12E/24E		56	23	4.1	53.33				
	40	22	4.2	75.08		120.66/240.66			50	26	3.7	60.15			
	34	27	3.5	89.17					47	26	3.5	63.22	100/013	120/240/24E*	
	27	34	2.8	113.05					40	31	3.0	75.08		120.66/240.66	
	22	40	2.3	134.27					34	37	2.5	89.17			
	17	52	1.8	173.72					27	47	2.0	113.05			
	15	60	1.6	202.16					22	56	1.7	134.27			
	11	78	1.2	261.57					17	73	1.3	173.72			
	10	91	1.0	304.00					15	85	1.1	202.16			
	7.6	118	0.8	393.33					11	110	0.9	261.57			
	6.8	133	0.7	443.59					10	127	0.7	304.00			
	22	41	3.8	135.95		070/023	12E/24E		7.6	134	0.7	393.33			
	17	53	3.0	175.89	120.66/240.66				6.8	134	0.7	443.59			
	15	61	2.5	204.69				33	38	4.1	90.29	100/023		120/240/24E*	
	11	79	2.0	264.84				26	48	3.3	114.46		120.66/240.66		
	10	92	1.7	307.80				22	57	2.7	135.95				
	7.5	119	1.3	398.25				17	74	2.1	175.89				
	6.7	134	1.2	449.14				15	86	1.8	204.69				
	13	67	3.5	225.47	070/033	12E/24E		11	111	1.4	264.84				
	11	78	3.0	262.05		120.66/240.66			10	129	1.2		307.80		
	9.2	97	2.4	325.79					7.5	167	0.9		398.25		
	7.9	113	2.1	378.64					6.7	188	0.8		449.14		
	7.0	128	1.8	427.03					17	73	3.2		174.26	100/033	120/240/24E*
	9.2	97	4.0	325.79		070/043	12E/24E		13	94	2.5		225.47		120.66/240.66
	7.9	113	3.4	378.64	120.66/240.66				11	110	2.1		262.05		
	7.0	128	3.1	427.03					9.2	136	1.7	325.79			
									7.9	159	1.5	378.64			
									7.0	179	1.3	427.03			
									11	110	3.6	262.05	100/043	120/240/24E*	
								9.2	136	2.9	325.79	120.66/240.66			
								7.9	159	2.5	378.64				
								7.0	179	2.2	427.03				

NOTA
Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio
NOTE
Please check that the output torque M2 does not exceed the value in the grey areas

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

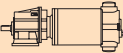
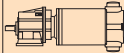
NOTE: for continuous or highly intermittent duty, please contact our technical service

*: Motore inclinato con portaspazzole a 45°
Motor assembly with brush holder inclined 45°



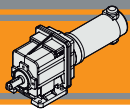
Dati tecnici per servizio S2

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
350							500						
(3000 min ⁻¹)	84	38	4.1	35.91	250/022	120/240	(3000 min ⁻¹)	785	5.8	8.1	3.82	350/012	120/240
	65	50	3.1	46.46		120.66/240.66		648	7.1	6.6	4.63		120.66/240.66
	60	53	2.9	49.61				527	8.7	5.4	5.69		
	56	58	2.7	54.00				389	12	5.3	7.72		
	49	65	2.4	60.90				327	14	4.4	9.17		
	47	67	2.3	64.01	250/023	120/240		306	15	4.1	9.81		
	39	80	2.0	76.02		120.66/240.66		261	18	4.4	11.5		
	33	95	1.6	90.29				252	18	4.3	11.9		
	26	120	1.3	114.46				217	21	4.5	13.80		
	22	142	1.1	135.95				205	22	4.2	14.62		
	17	184	0.8	175.89	250/033	120/240		168	27	3.4	17.86		
	15	214	0.7	204.69		120.66/240.66		157	29	3.2	19.07		
	11	223	0.7	264.84				151	30	3.1	19.83		
	41	76	3.1	72.83				127	36	2.6	23.56		
	31	102	2.3	97.45				101	45	2.1	29.56		
	26	121	1.9	115.74				85	54	1.7	35.47		
	21	147	1.6	140.81				65	70	1.3	45.89		
	17	183	1.3	174.26				61	75	1.3	49.00		
	13	236	1.0	225.47				56	81	1.2	53.33		
	11	274	0.9	262.05				50	92	1.0	60.15		
	9.2	341	0.7	325.79	250/043	120/240		47	95	1.0	63.22	350/013	120/240
	7.9	334	0.7	378.64		120.66/240.66		40	112	0.8	75.08		120.66/240.66
	7.0	334	0.7	427.03				34	133	0.7	89.17		
	41	76	5.1	72.83				27	134	0.7	113.05		
	31	102	3.8	97.45				22	134	0.7	134.27		
	26	121	3.2	115.74				126	36	4.3	23.85	350/022	120/240
	21	147	2.6	140.81				100	46	3.4	29.93		120.66/240.66
	17	183	2.1	174.26				84	55	2.8	35.91		
	13	236	1.7	225.47				65	71	2.2	46.46		
	11	274	1.4	262.05				60	76	2.1	49.61		
	9.2	341	1.1	325.79			56	83	1.9	54.00			
	7.9	397	1.0	378.64			49	93	1.7	60.90			
	7.0	447	0.9	427.03			47	96	1.6	64.01	350/023	120/240	
							39	114	1.4	76.02		120.66/240.66	
							33	135	1.2	90.29			
							26	171	0.9	114.46			
							22	203	0.8	135.95			
							17	223	0.7	175.89			
							41	109	2.1	72.83	350/033	120/240	
							31	146	1.6	97.45		120.66/240.66	
							26	173	1.4	115.74			
							21	211	1.1	140.81			
							17	261	0.9	174.26			
							13	334	0.7	225.47			
							11	334	0.7	262.05			
500													
(3000 min ⁻¹)	596	7.7	4.0	5.03	350/002	120/240							
	492	9.3	3.3	6.10		120.66/240.66							
	401	11	2.7	7.49									
	334	14	2.8	8.99									
	295	16	2.5	10.16									
	249	18	2.1	12.07									
	224	20	2.7	13.40									
	198	23	2.4	15.14									
	165	28	2.0	18.17									
	139	33	1.7	21.58									
	128	36	1.5	23.51									
	120	38	1.4	25.1									
	111	41	1.3	27.08									
	92	50	1.1	32.49									
	71	64	0.9	42.04									
	67	69	0.8	44.89									
	61	75	0.7	48.86									

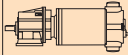
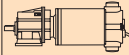


NOTA
Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio
NOTE
Please check that the output torque M2 does not exceed the value in the grey areas

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



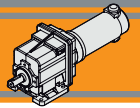
Dati tecnici per servizio S2

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
500							800						
(3000 min ⁻¹)	41	109	3.6	72.83	350/043	120/240	(3000 min ⁻¹)	302	24	3.9	9.93	600/022	120/240
	31	146	2.7	97.45		120.66/240.66		272	27	5.8	11.01		120.66/240.66
	26	173	2.3	115.74				249	29	5.3	12.05		
	21	211	1.9	140.81				227	32	3.9	13.21		
	17	261	1.5	174.26				203	36	4.3	14.81		
	13	337	1.2	225.47				175	42	2.4	17.1		
	11	392	1.0	262.05				149	49	3.2	20.08		
	9.2	487	0.8	325.79				126	58	2.7	23.85		
	7.9	557	0.7	378.64				100	73	2.1	29.93		
	7.0	557	0.7	427.03				84	88	1.8	35.91		
							65	114	1.4	46.46			
							60	121	1.3	49.61			
							56	132	1.2	54.00			
							49	149	1.0	60.90			
							47	153	1.0	64.01	600/023	120/240	
							39	182	0.9	76.02		120.66/240.66	
							33	216	0.7	90.29			
							26	223	0.7	114.46			
							22	223	0.7	135.95			
							120	61	3.8	24.99		600/032	120/240
							98	75	3.1	30.57			IEC 71B5
							88	84	2.8	34.20			
							78	94	2.5	38.63			+
							68	108	2.2	44.18			Giunto FX
							58	125	1.9	51.30	FX Coupling		
							49	149	1.6	60.80	Solo / Only		
							41	174	1.3	72.83	600/033		120/240
							31	233	1.0	97.45			120.66/240.66
							26	277	0.8	115.74			
							21	334	0.7	140.81			
							17	334	0.7	174.26			
							78	94	4.1	38.63		600/042	120/240
							68	108	3.6	44.18			IEC 71B5
							58	125	3.1	51.30			
							49	149	2.5	60.80			+
													Giunto FX
											FX Coupling		
											Solo / Only		
							41	174	2.2	72.83	600/043		120/240
							31	233	1.7	97.45			120.66/240.66
							26	277	1.4	115.74			
							21	337	1.2	140.81			
							17	417	0.9	174.26			
							13	540	0.7	225.47			
							11	557	0.7	262.05			
							9	557	0.7	325.79			

NOTA
Verificare sempre che la coppia M₂ utilizzata non ecceda il valore indicato nelle caselle in grigio
NOTE
Please check that the output torque M₂ does not exceed the value in the grey areas

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

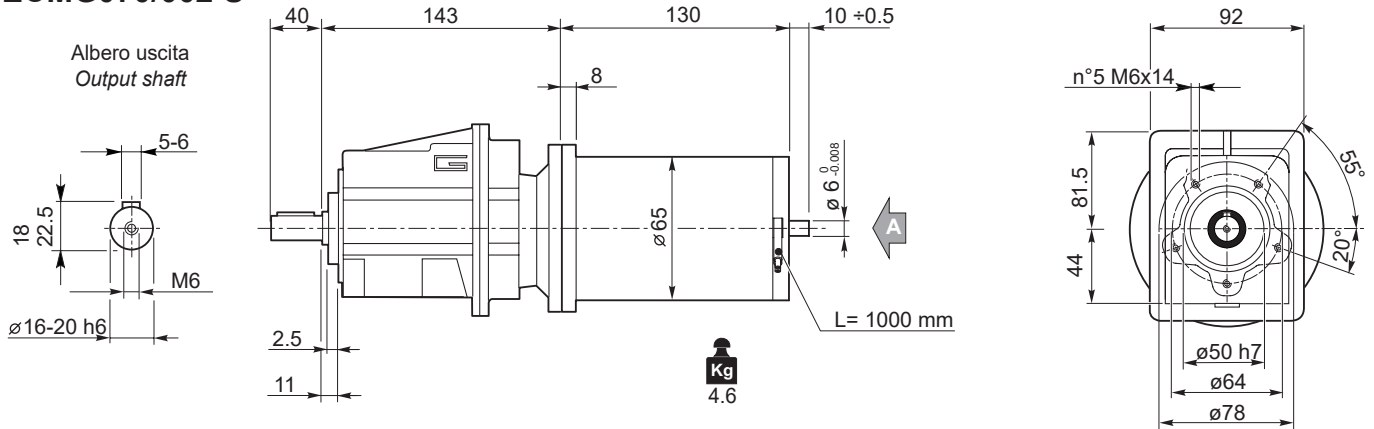


Dimensioni

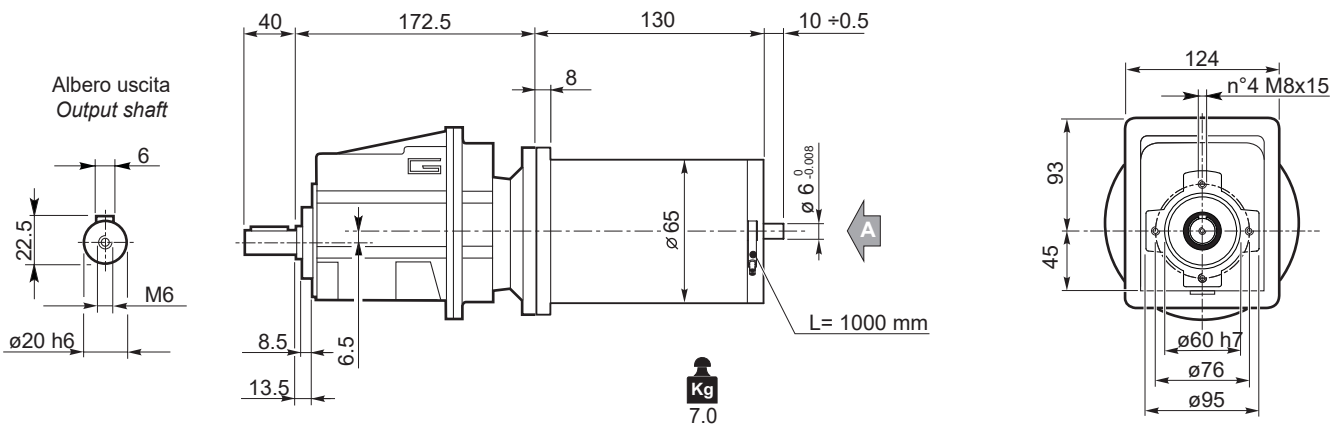
Dimensions

ECMG..U

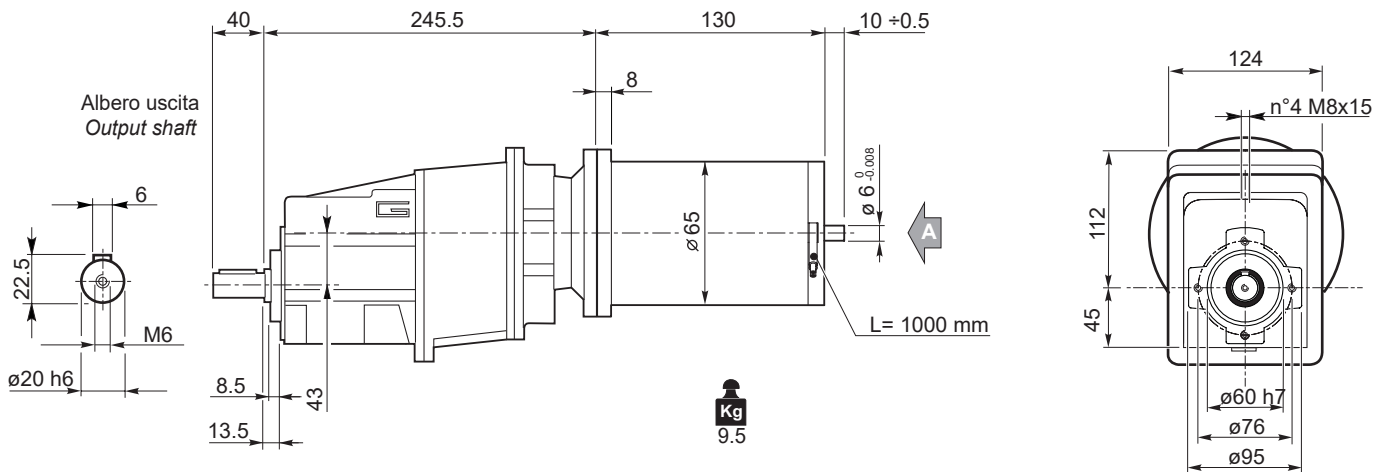
ECMG070/002 U



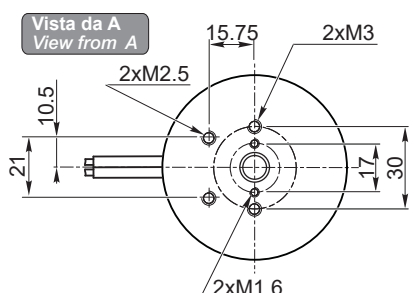
ECMG070/012 U



ECMG070/013 U



ECMG



Freno / Brake → I23

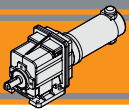
Encoder → I24

Motori / Motors IP66 → L2

ECMG...H → M30

ECMG...F → M31

ECMG...H/F → M32

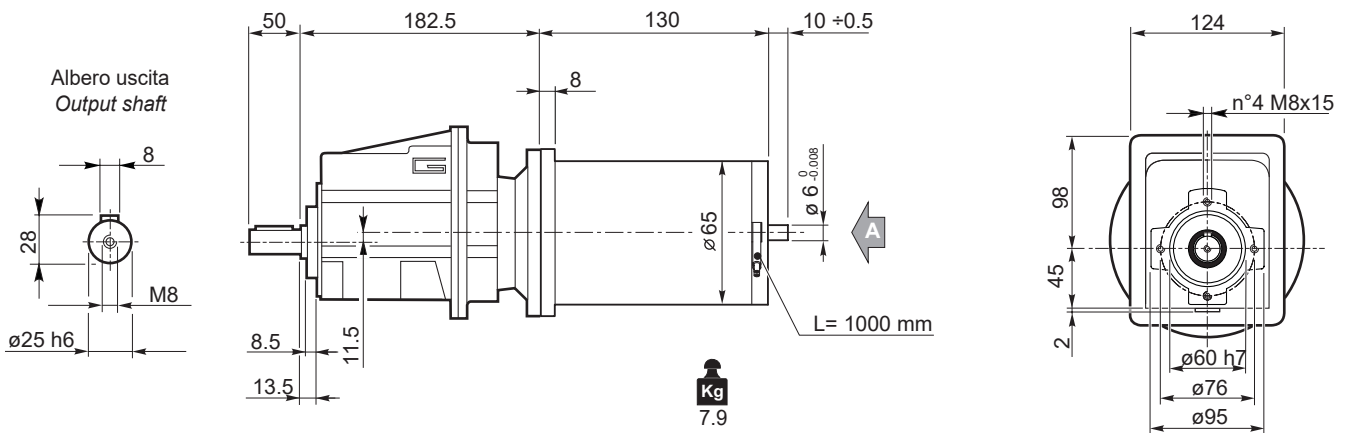


Dimensioni

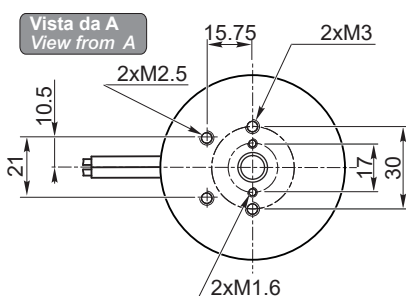
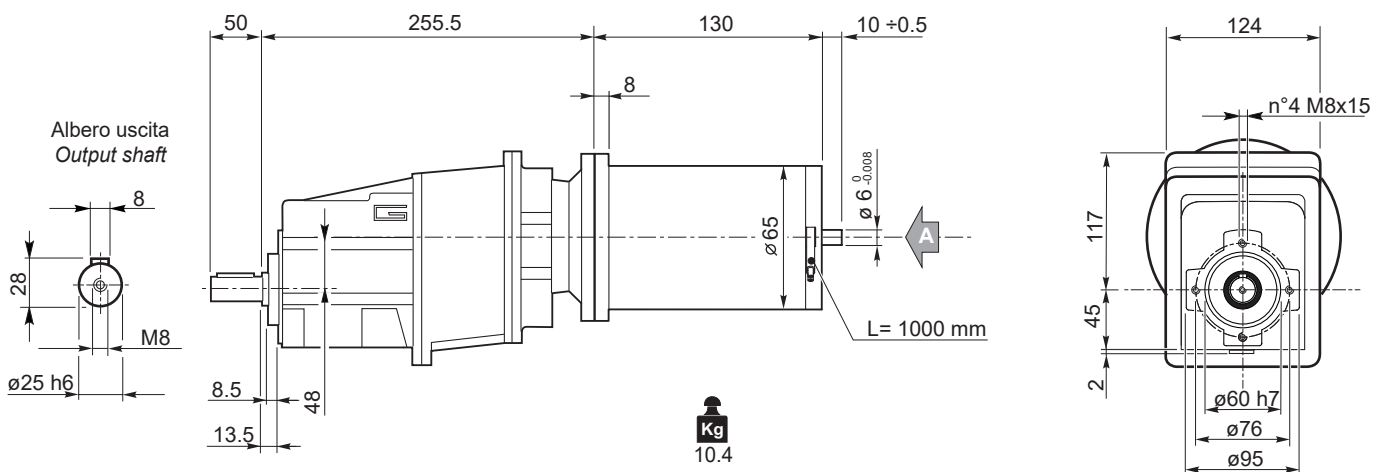
Dimensions

ECMG..U

ECMG070/022 U



ECMG070/023 U



Freno / Brake



I23

ECMG...H



M30

Encoder



I24

ECMG...F



M31

Motori / Motors IP66

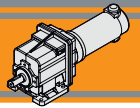


L2

ECMG...H/F



M32

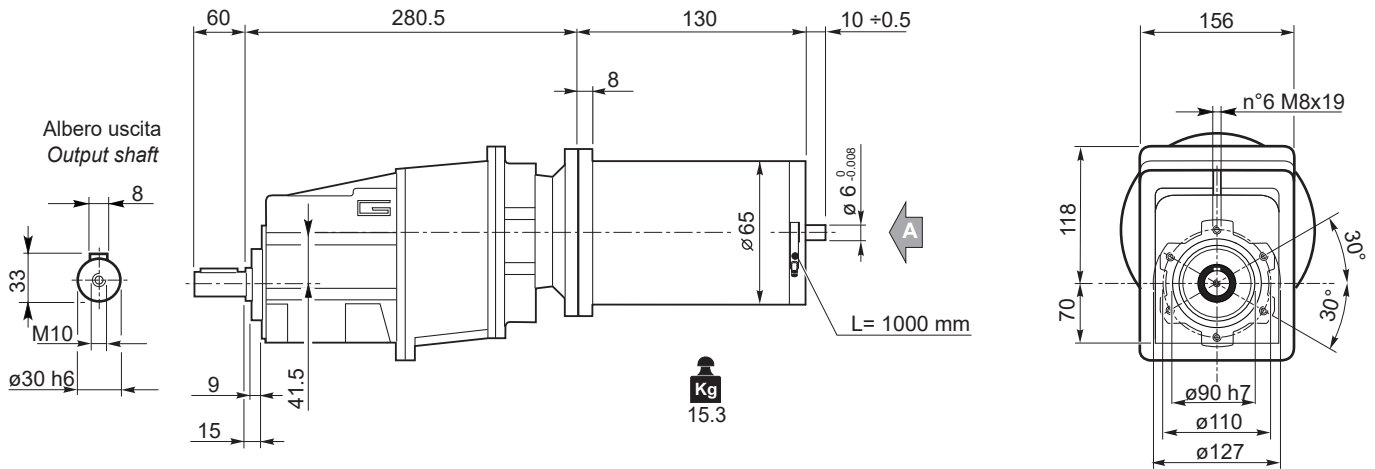


Dimensioni

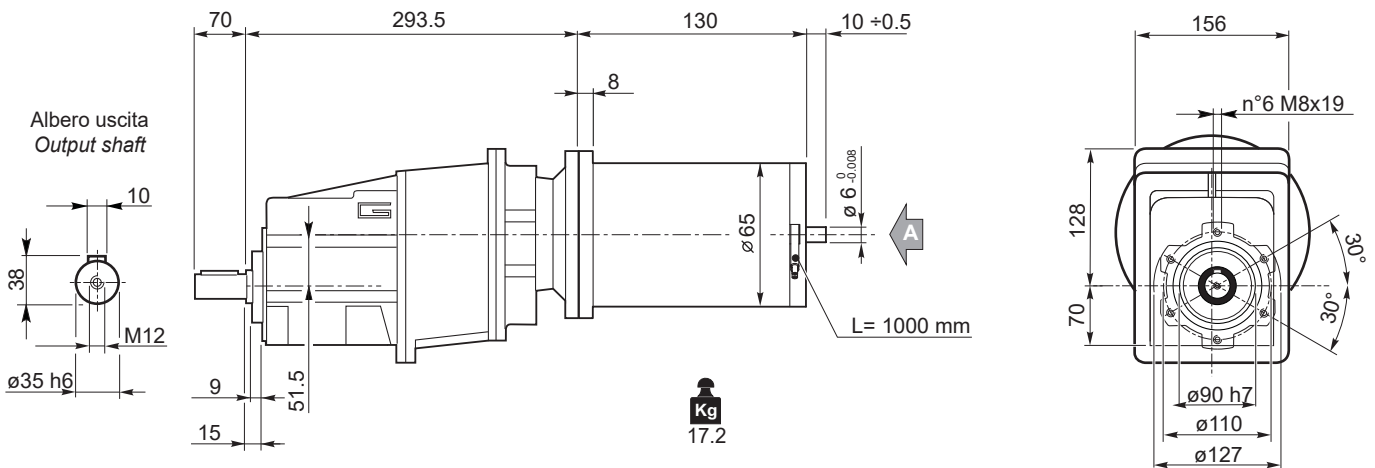
Dimensions

ECMG..U

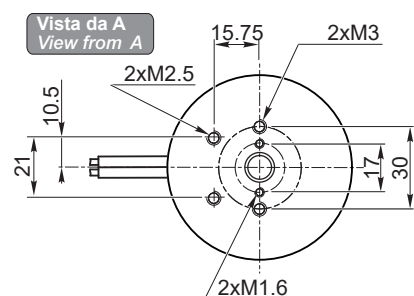
ECMG070/033 U



ECMG070/043 U



ECMG



Freno / Brake



I23

ECMG...H



M30

Encoder



I24

ECMG...F



M31

Motori / Motors IP66

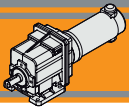


L2

ECMG...H/F



M32

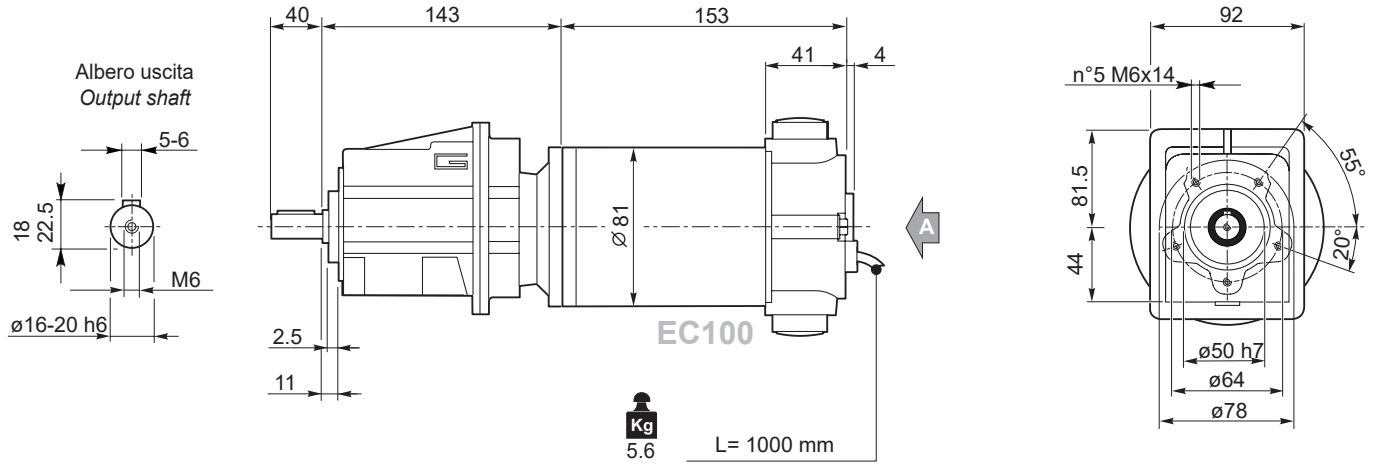


Dimensioni

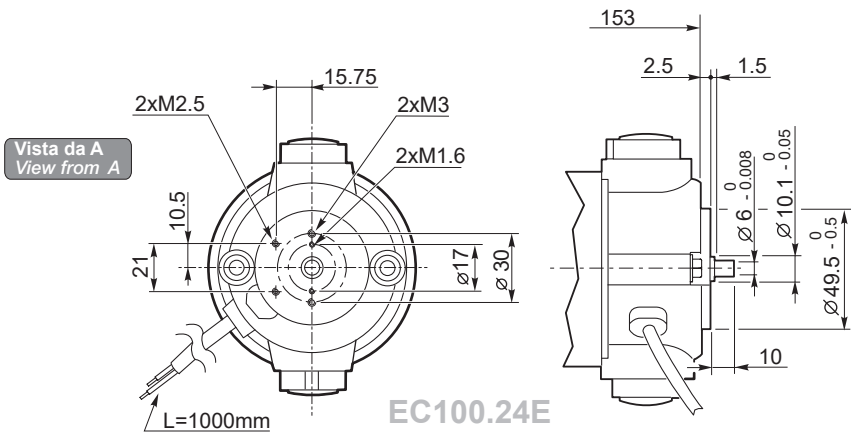
Dimensions

ECMG..U

ECMG100/002 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

Freno / Brake → I23

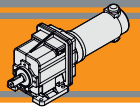
Encoder → I24

Motori / Motors IP66 → L4

ECMG...H → M30

ECMG...F → M31

ECMG...H/F → M32

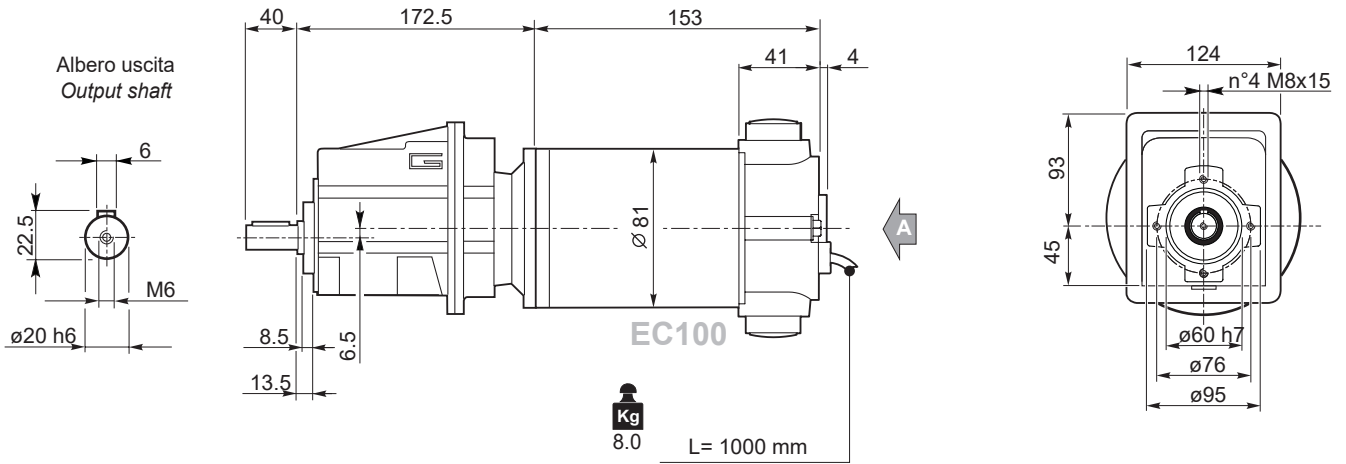


Dimensioni

Dimensions

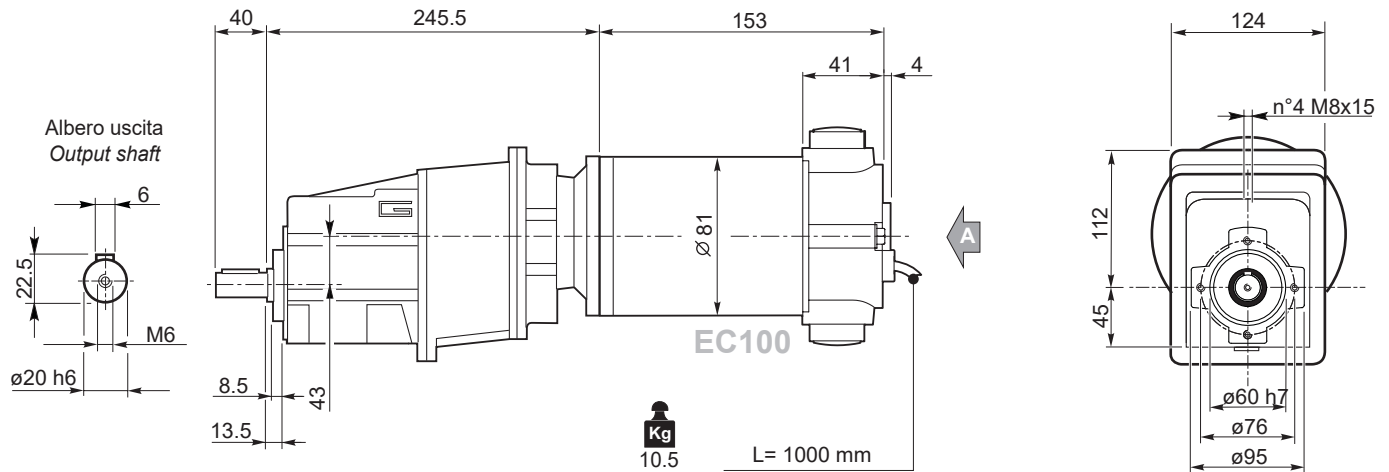
ECMG..U

ECMG100/012 U



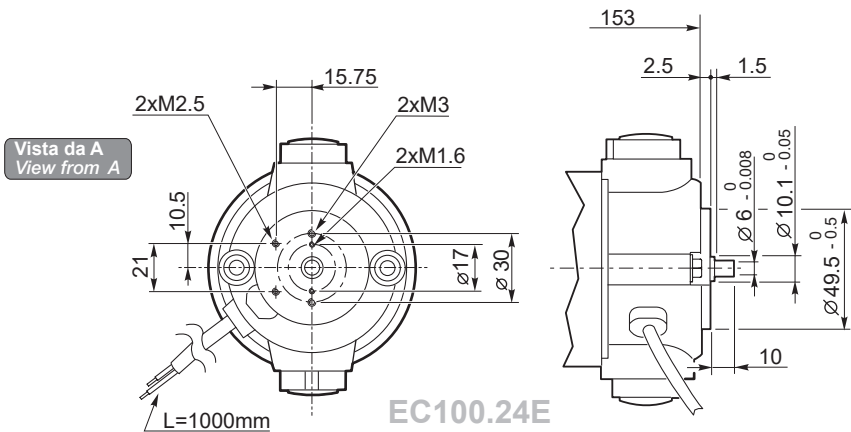
Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG100/013 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

Freno / Brake → I23

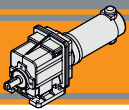
Encoder → I24

Motori / Motors IP66 → L4

ECMG...H → M30

ECMG...F → M31

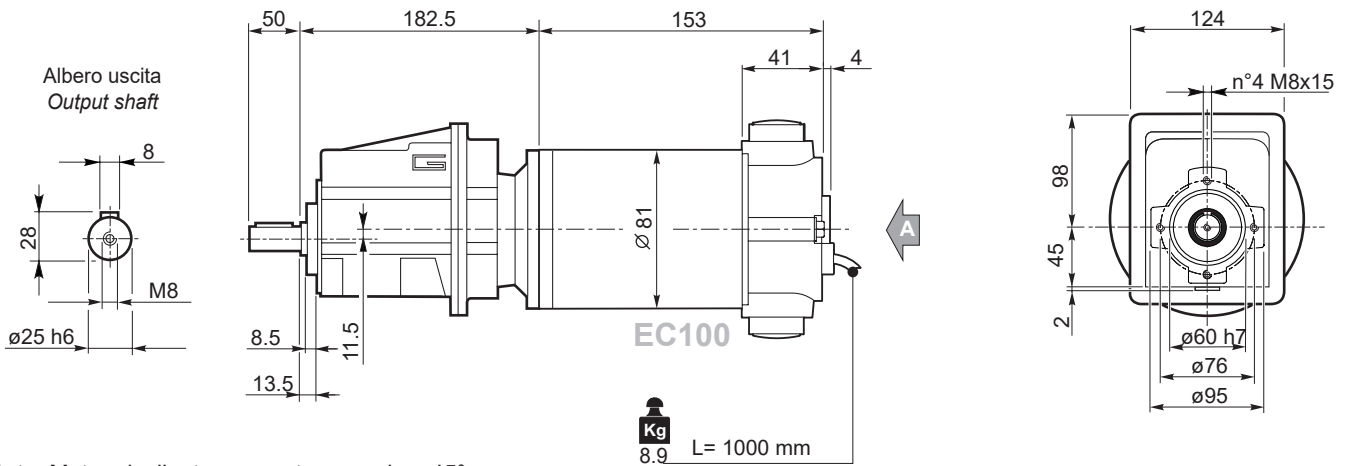
ECMG...H/F → M32



Dimensioni

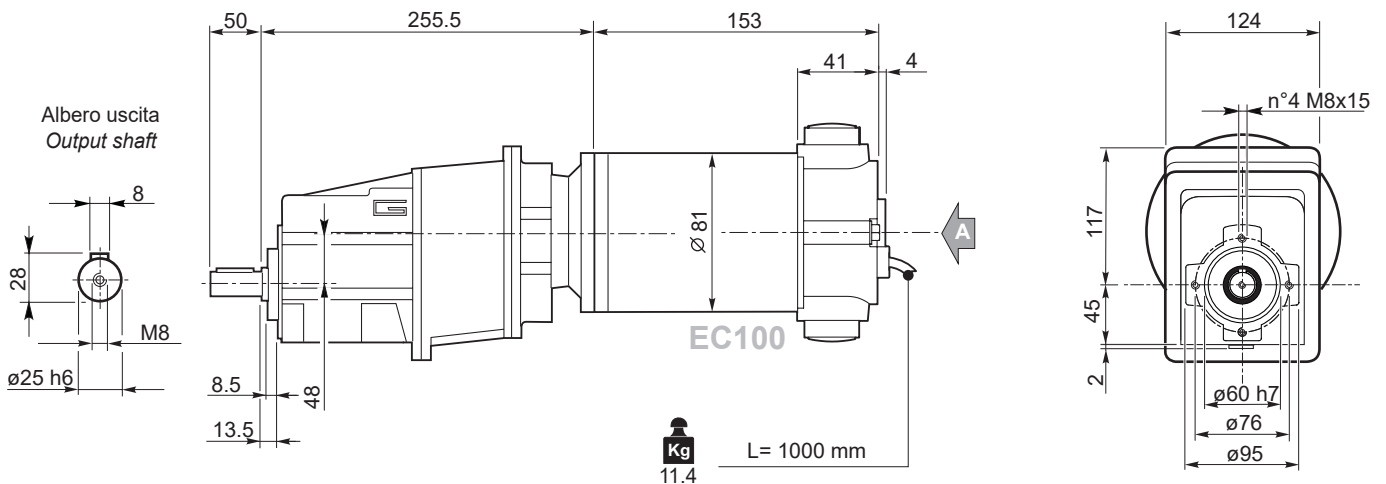
ECMG..U

ECMG100/022 U

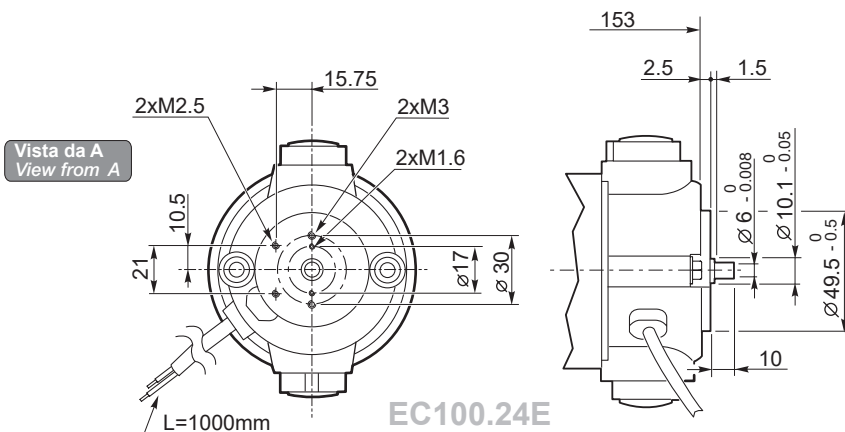


Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG100/023 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

Freno / Brake → I23

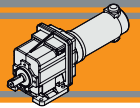
Encoder → I24

Motori / Motors IP66 → L4

ECMG...H → M30

ECMG...F → M31

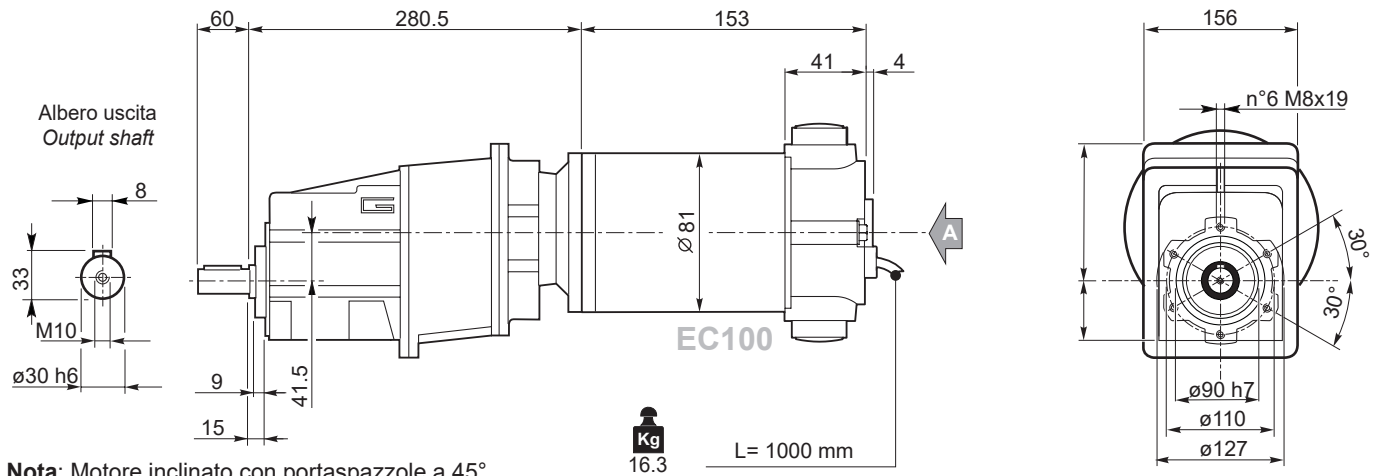
ECMG...H/F → M32



Dimensioni

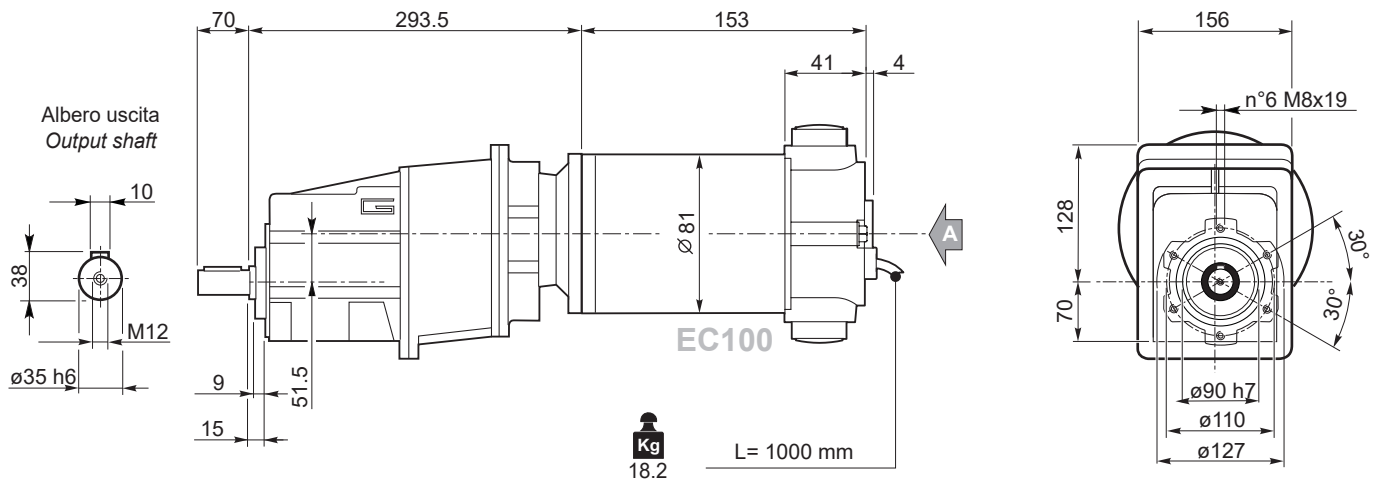
ECMG..U

ECMG100/033 U

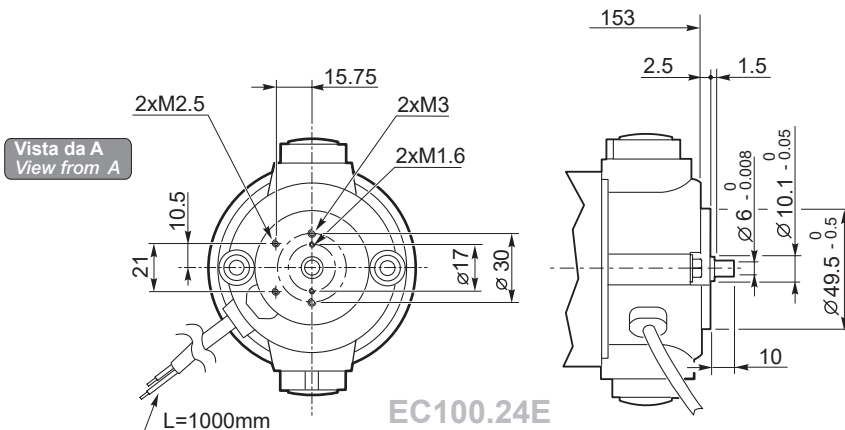


Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG100/043 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

Freno / Brake → I23

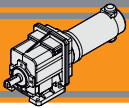
Encoder → I24

Motori / Motors IP66 → L4

ECMG...H → M30

ECMG...F → M31

ECMG...H/F → M32

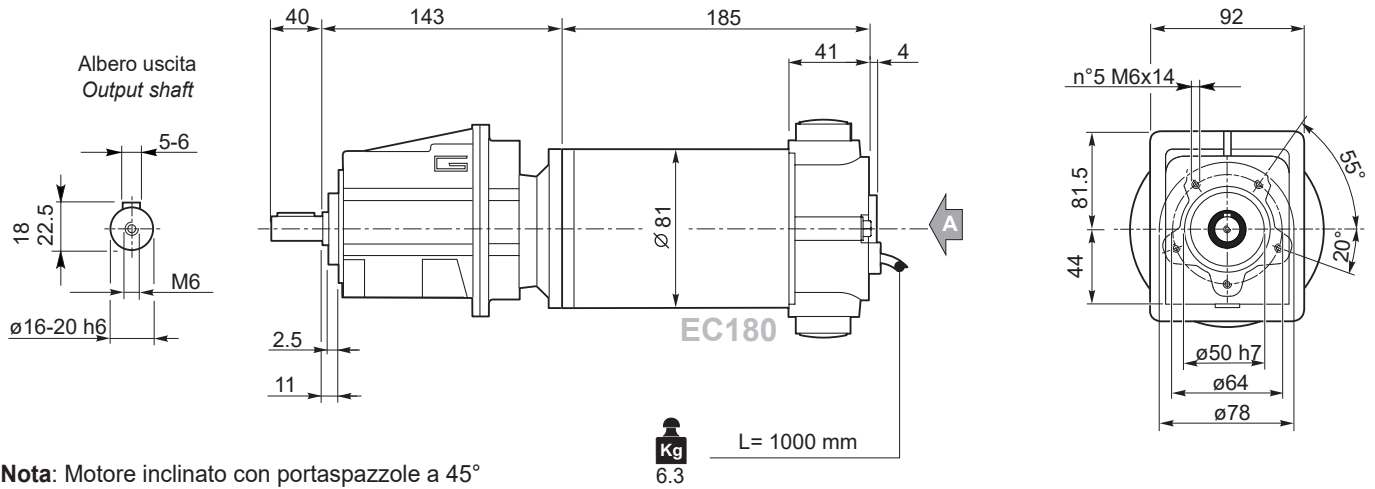


Dimensioni

Dimensions

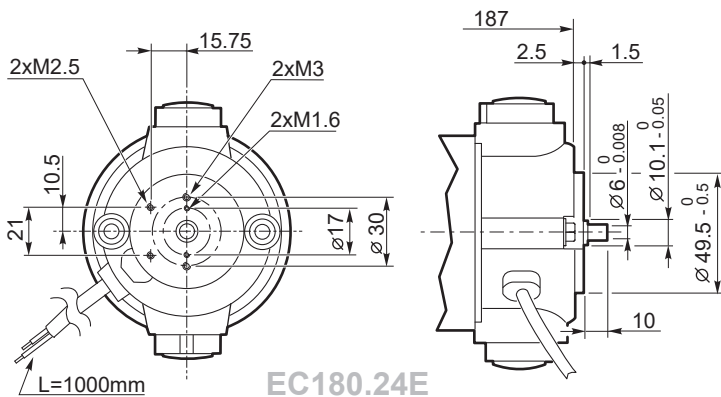
ECMG..U

ECMG180/002 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

Vista da A
View from A



Freno / Brake



Encoder



Motore / Motors IP66



ECMG...H

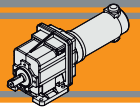


ECMG...F



ECMG...H/F



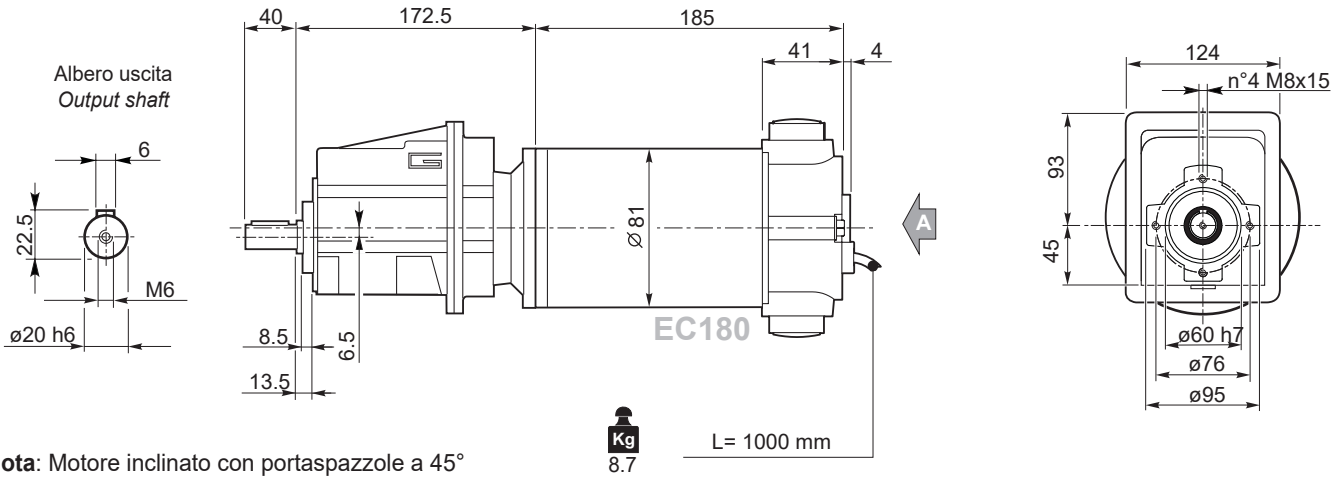


Dimensioni

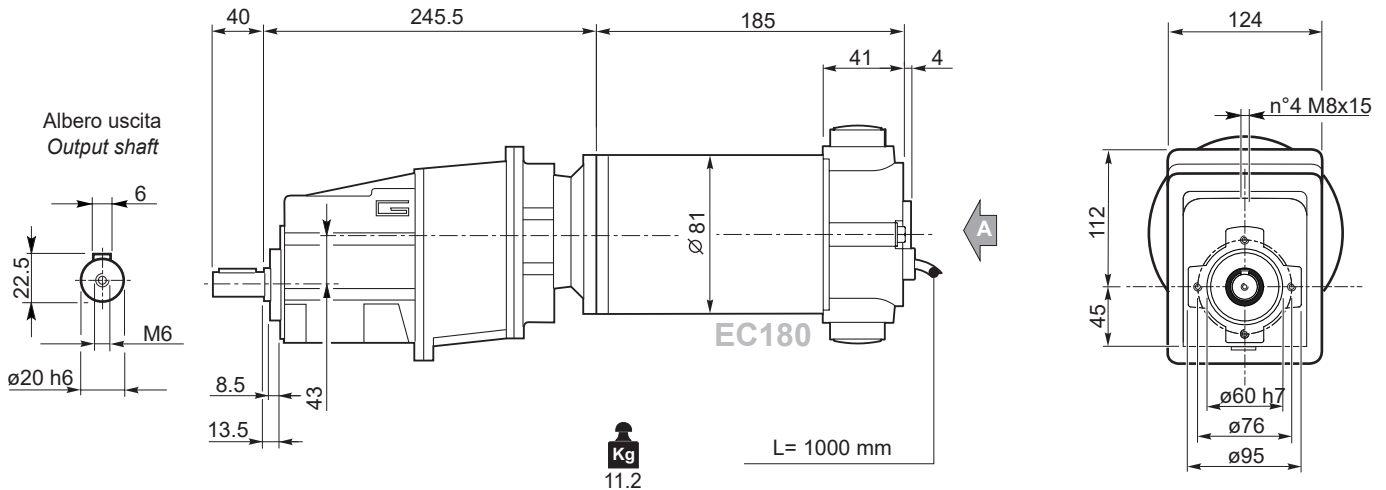
Dimensions

ECMG..U

ECMG180/012 U

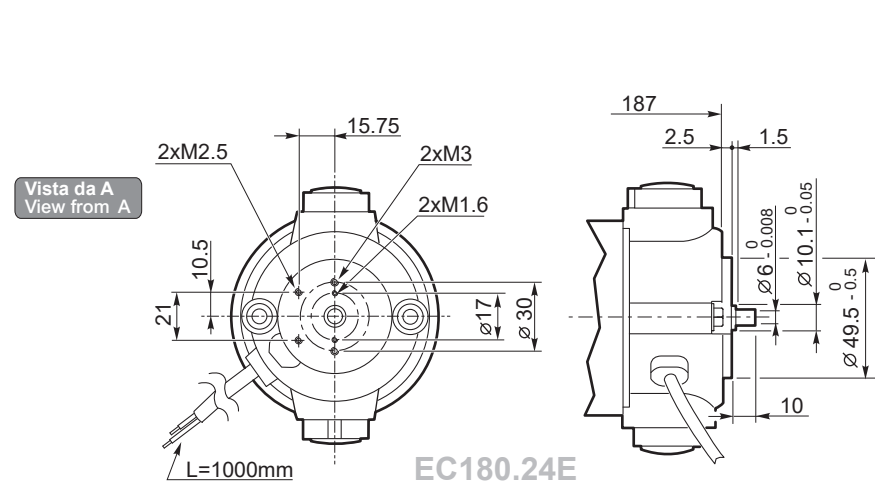


ECMG180/013 U



ECMG

Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°



Freno / Brake → I23

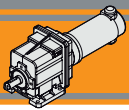
Encoder → I24

Motori / Motors IP66 → L6

ECMG...H → M30

ECMG...F → M31

ECMG...H/F → M32

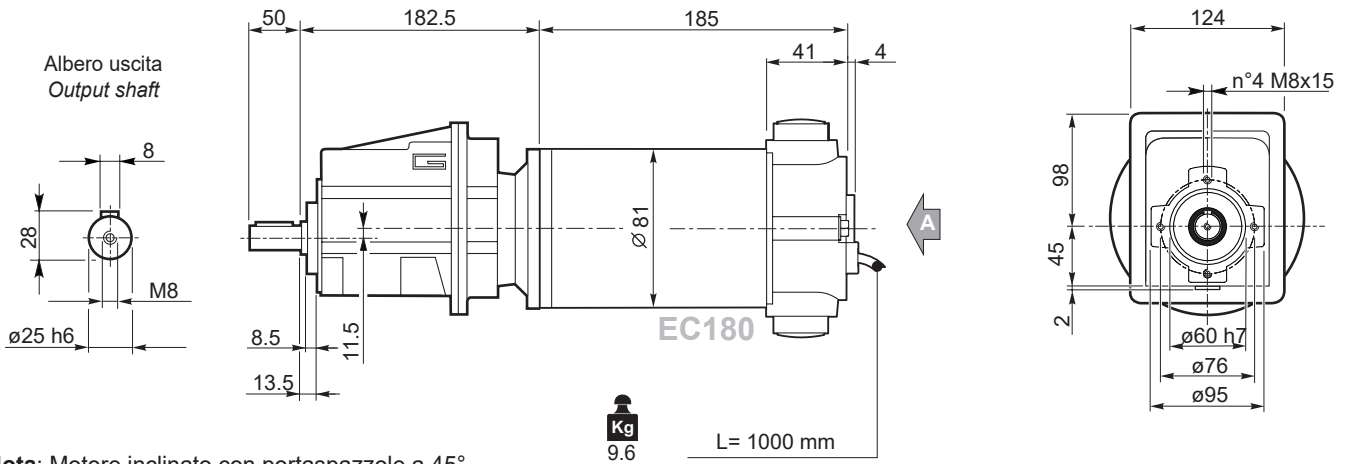


Dimensioni

Dimensions

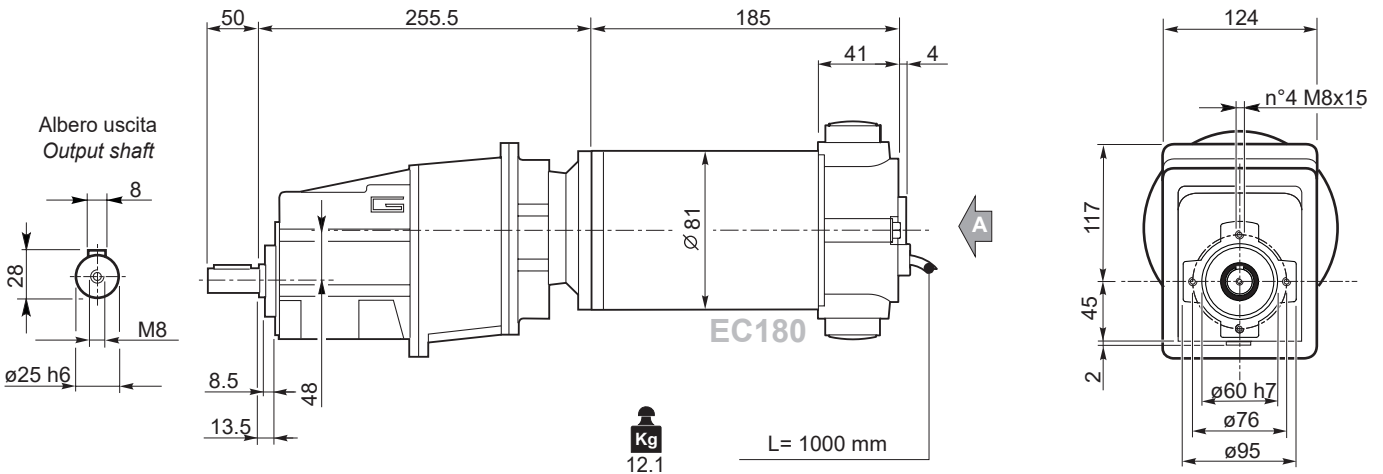
ECMG..U

ECMG180/022 U

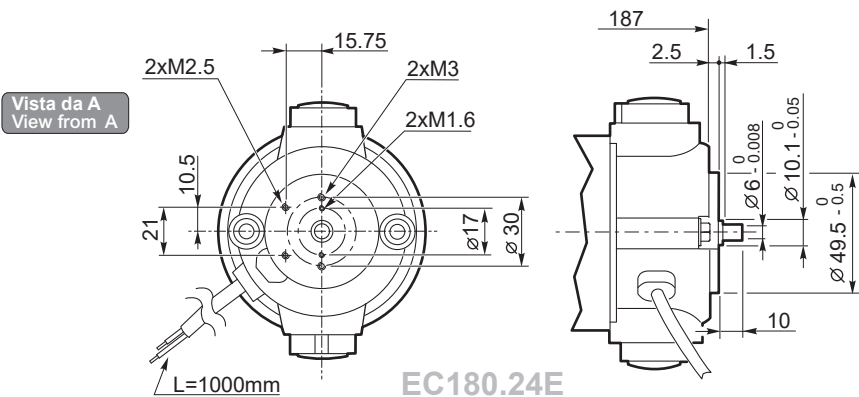


Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG180/023 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°



Freno / Brake

I23

Encoder

I24

Motori / Motors IP66

L6

ECMG...H

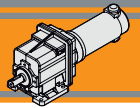
M30

ECMG...F

M31

ECMG...H/F

M32

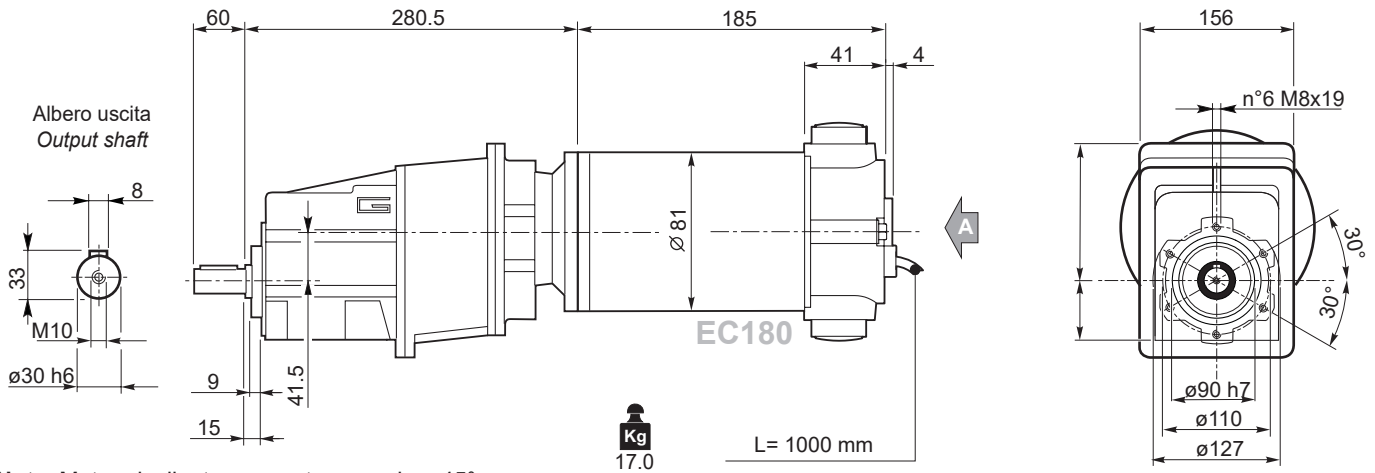


Dimensioni

Dimensions

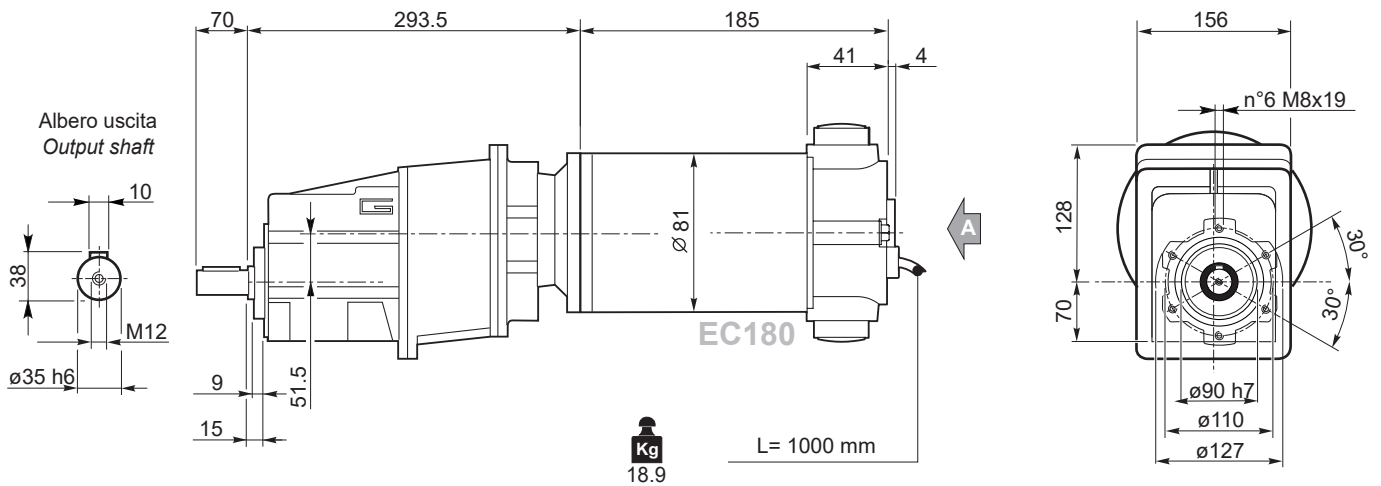
ECMG..U

ECMG180/033 U



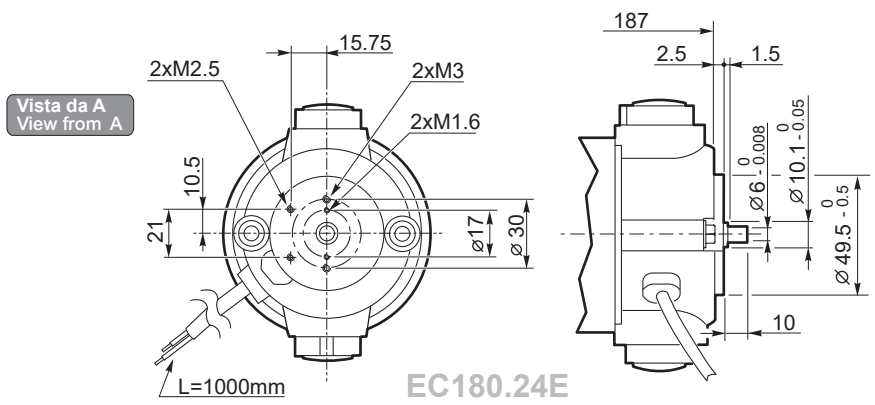
Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG180/043 U



Nota: Motore inclinato con portaspazzole a 45°
Note: Motor assembly with brush holder inclined 45°

ECMG



Freno / Brake → I23

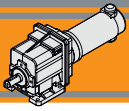
Encoder → I24

Motori / Motors IP66 → L6

ECMG...H → M30

ECMG...F → M31

ECMG...H/F → M32

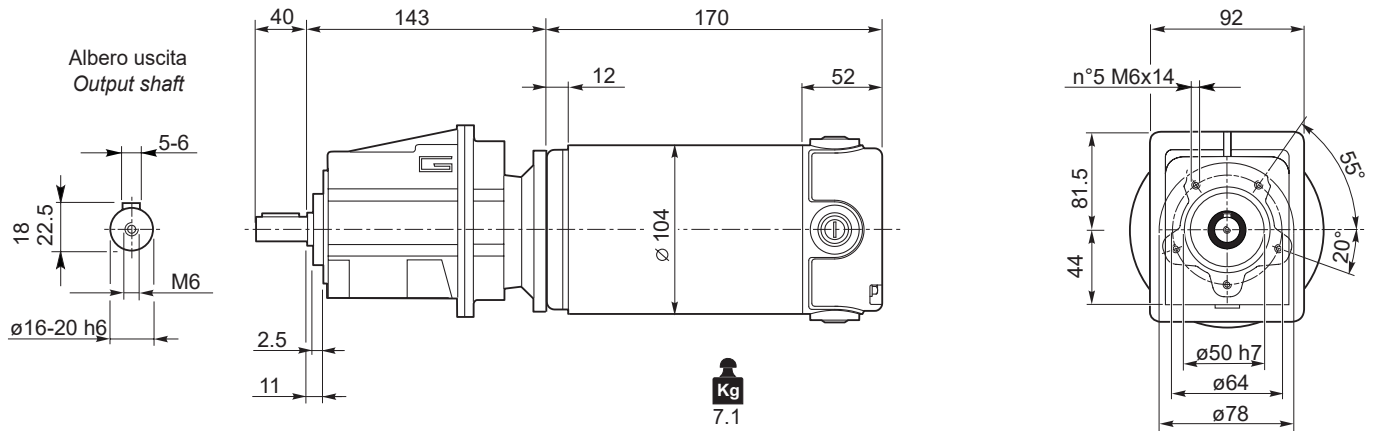


Dimensioni

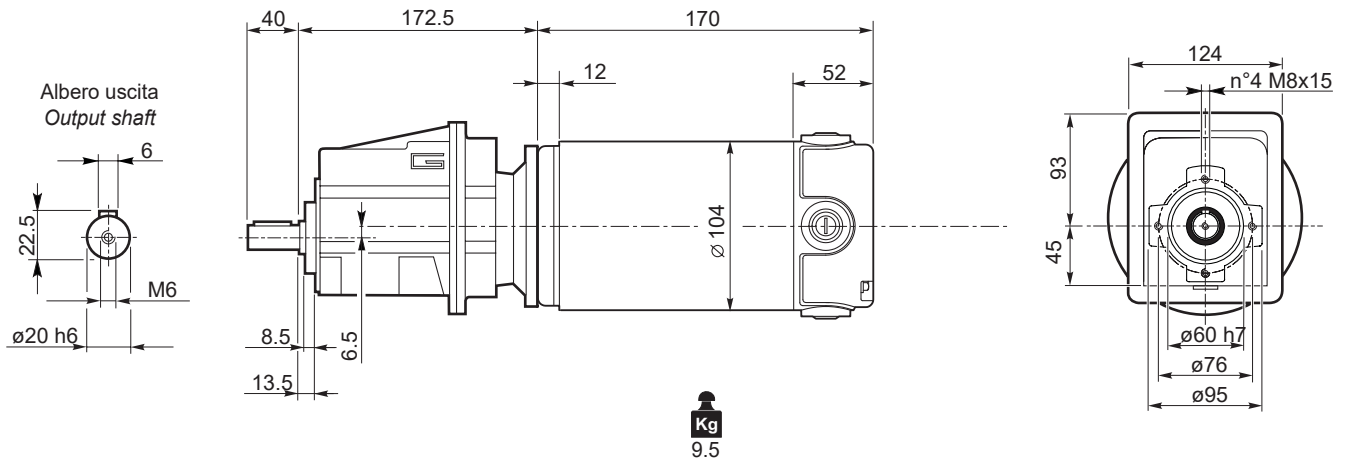
Dimensions

ECMG..U

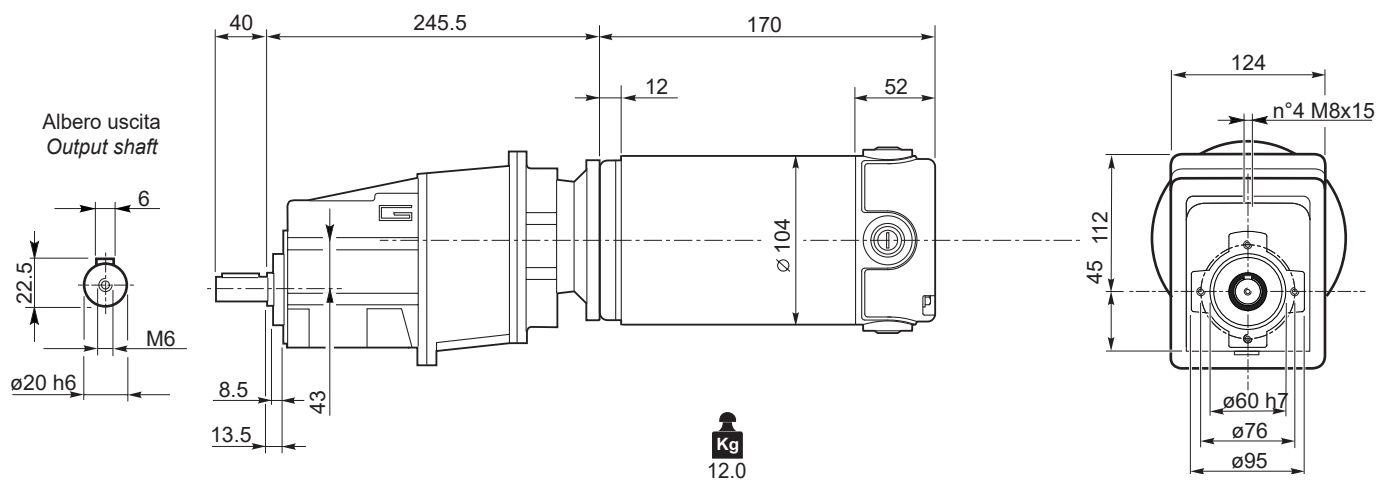
ECMG250/002 U



ECMG250/012 U



ECMG250/013 U



Motori / Motors IP66



ECMG...H

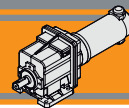


ECMG...F



ECMG...H/F



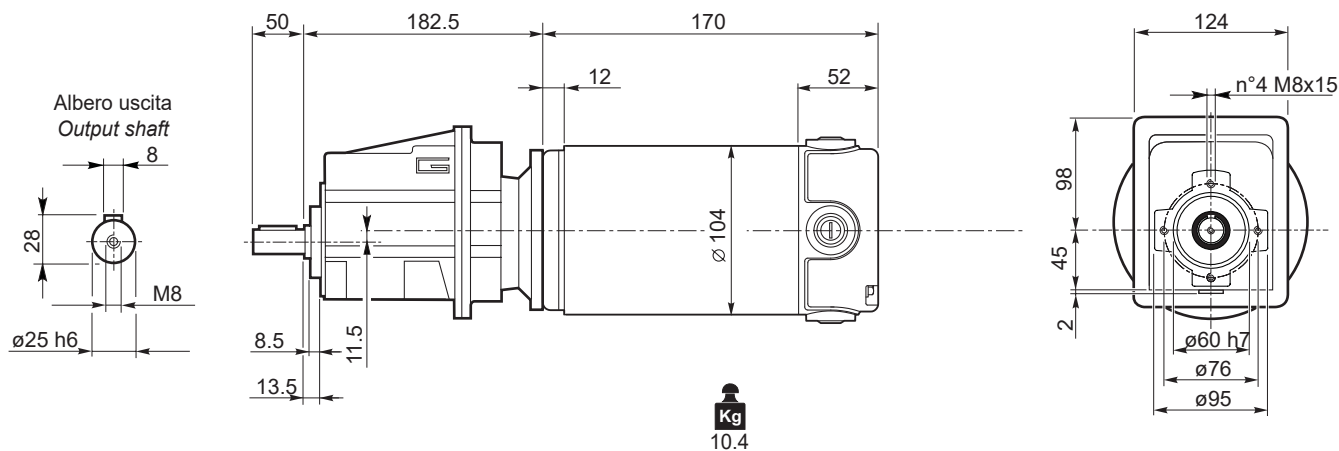


Dimensioni

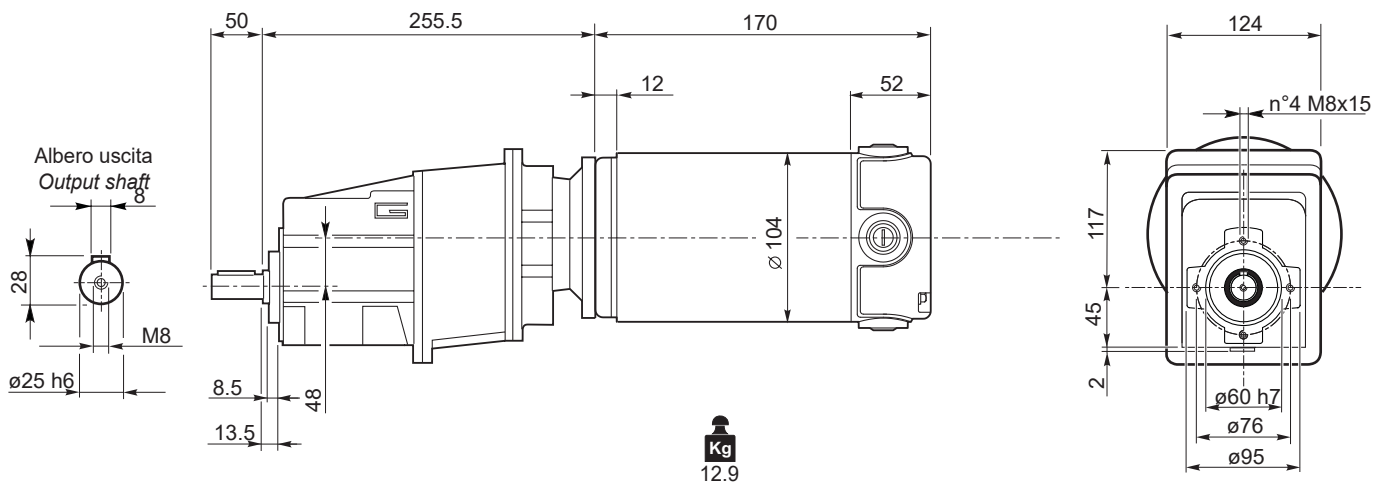
Dimensions

ECMG..U

ECMG250/022 U



ECMG250/023 U



ECMG

Motori / Motors IP66



ECMG...H

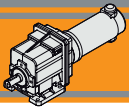


ECMG...F



ECMG...H/F



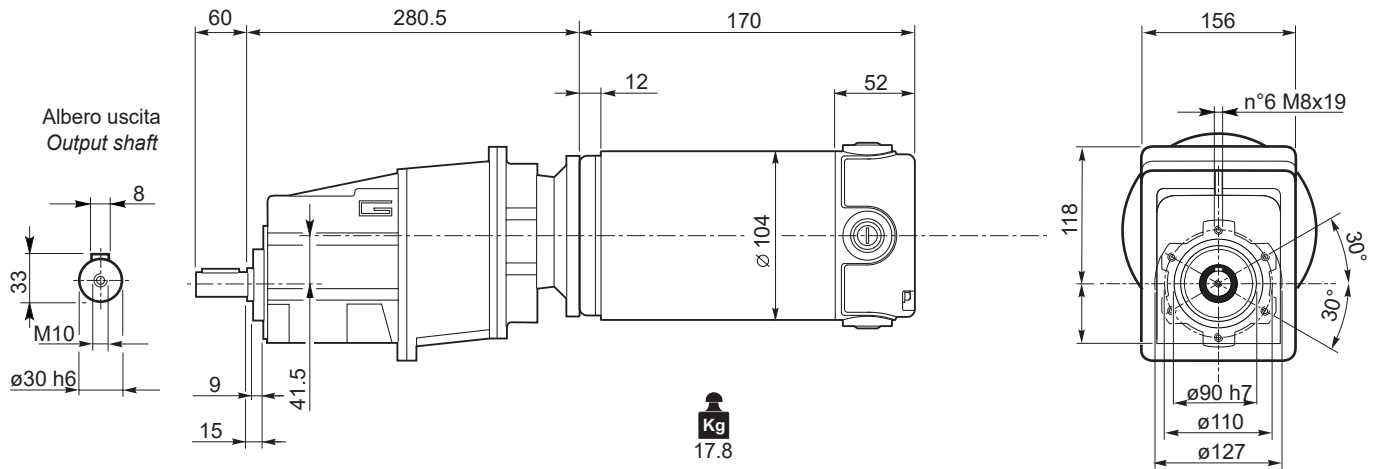


Dimensioni

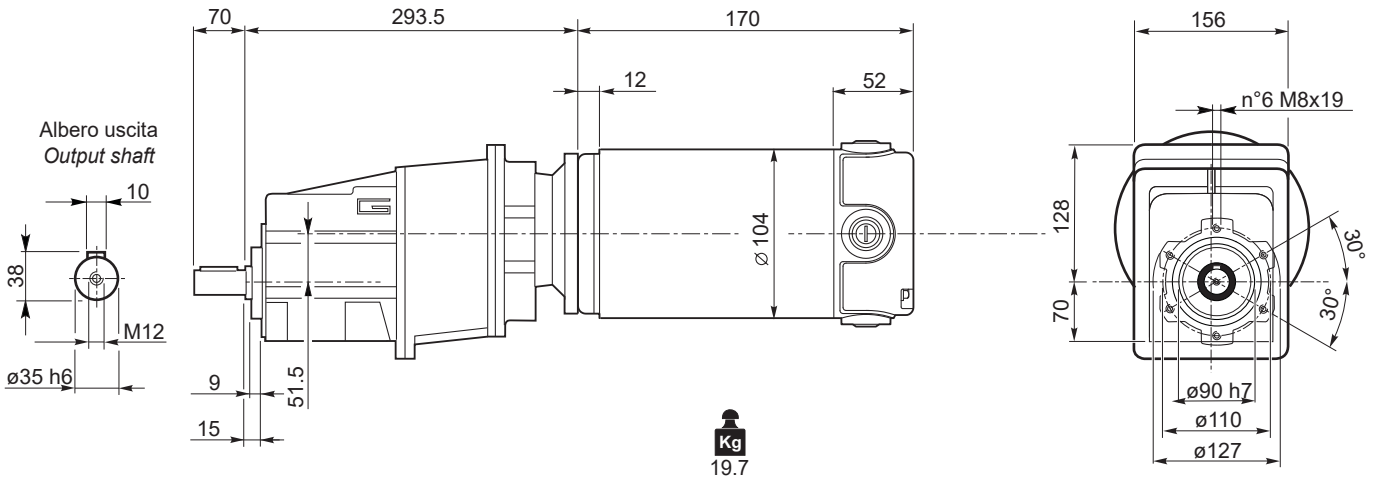
Dimensions

ECMG..U

ECMG250/033 U



ECMG250/043 U



Motori / Motors IP66



ECMG...H

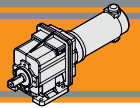


ECMG...F



ECMG...H/F



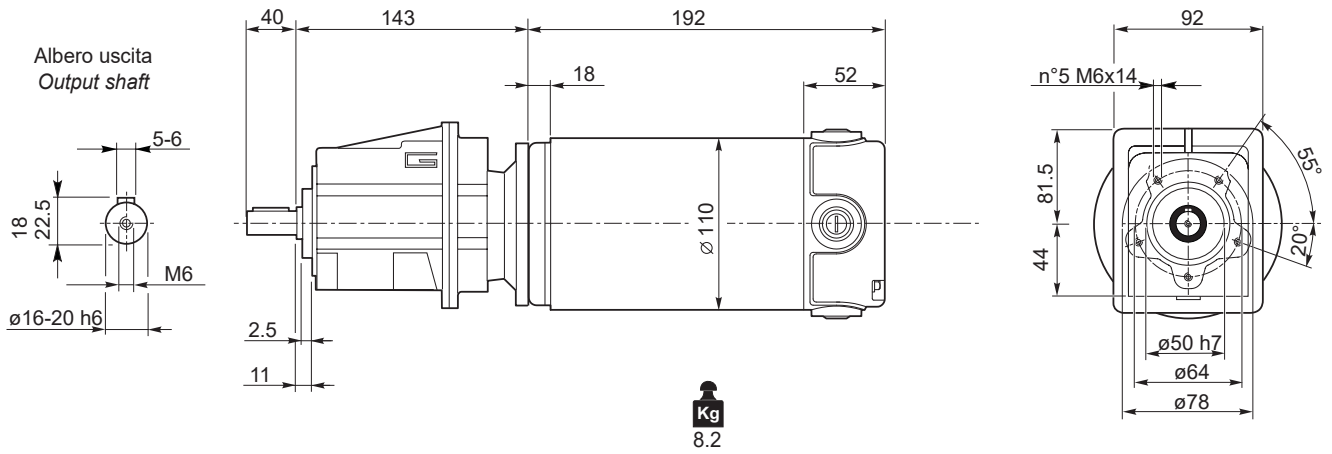


Dimensioni

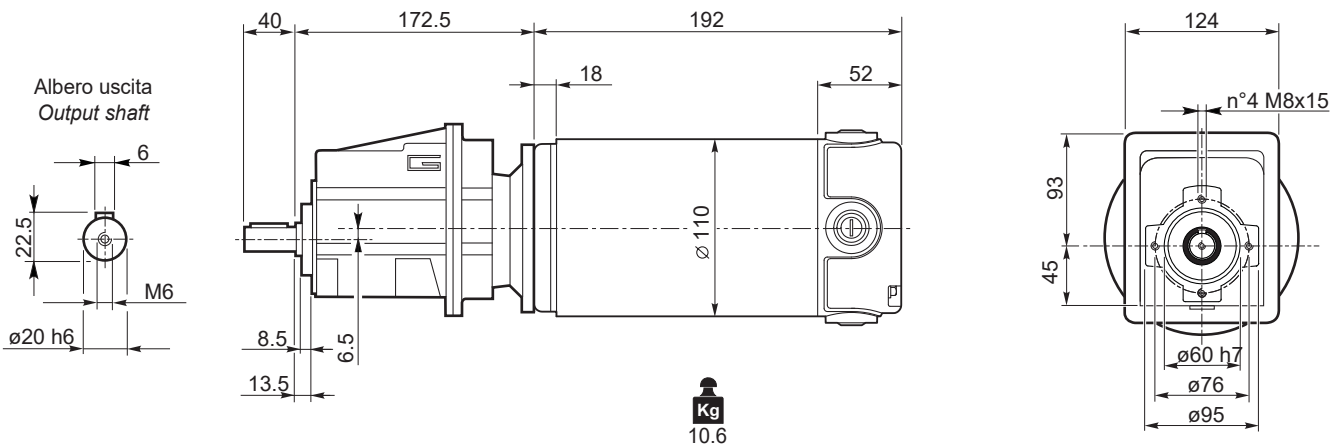
Dimensions

ECMG..U

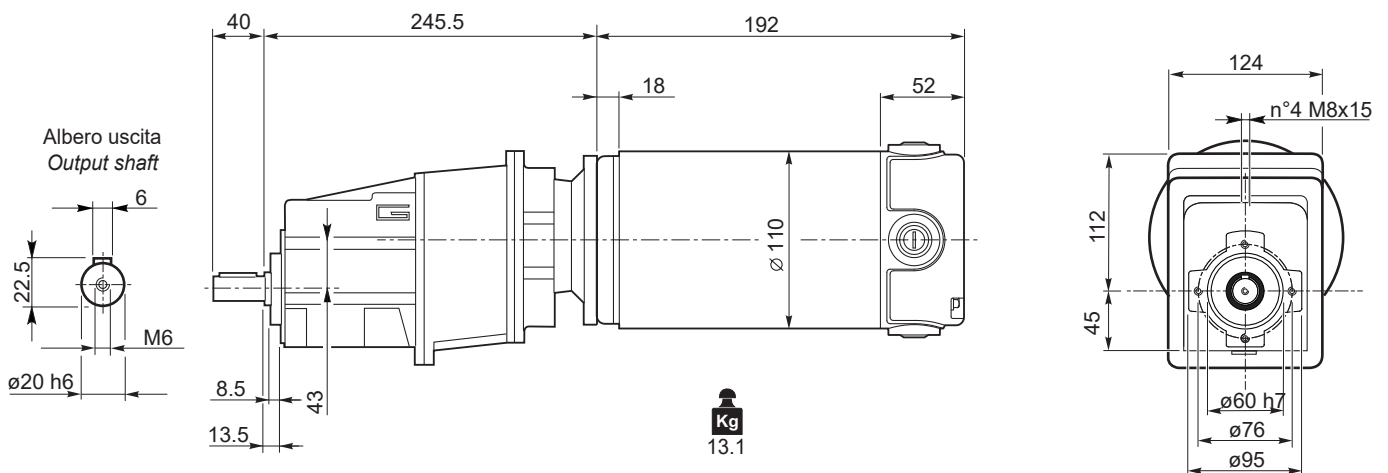
ECMG350/002 U



ECMG350/012 U



ECMG350/013 U



Freno / Brake



I23

Motori / Motors IP66



L10

ECMG...H



M30

ECMG...F

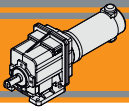


M31

ECMG...H/F



M32

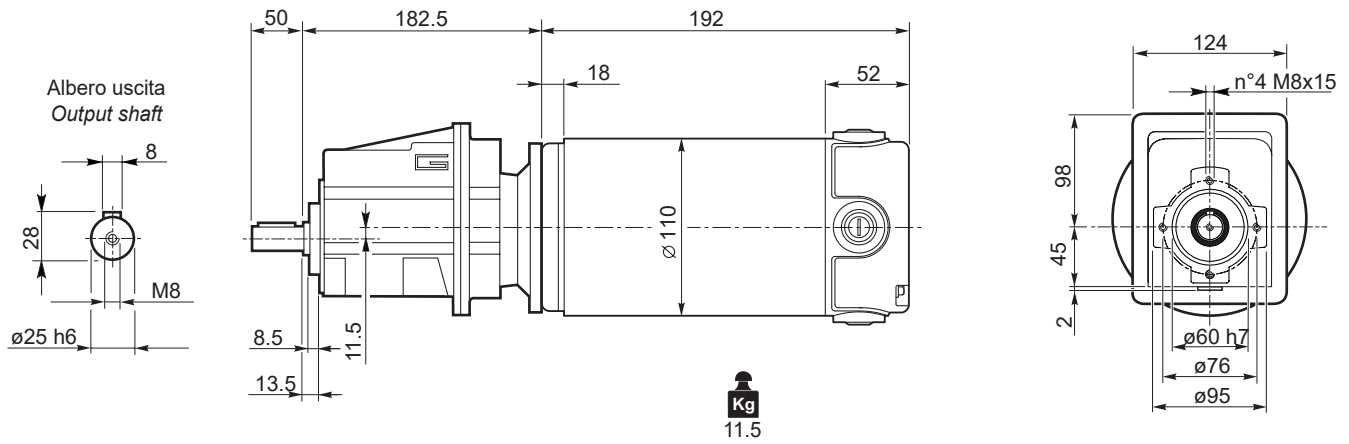


Dimensioni

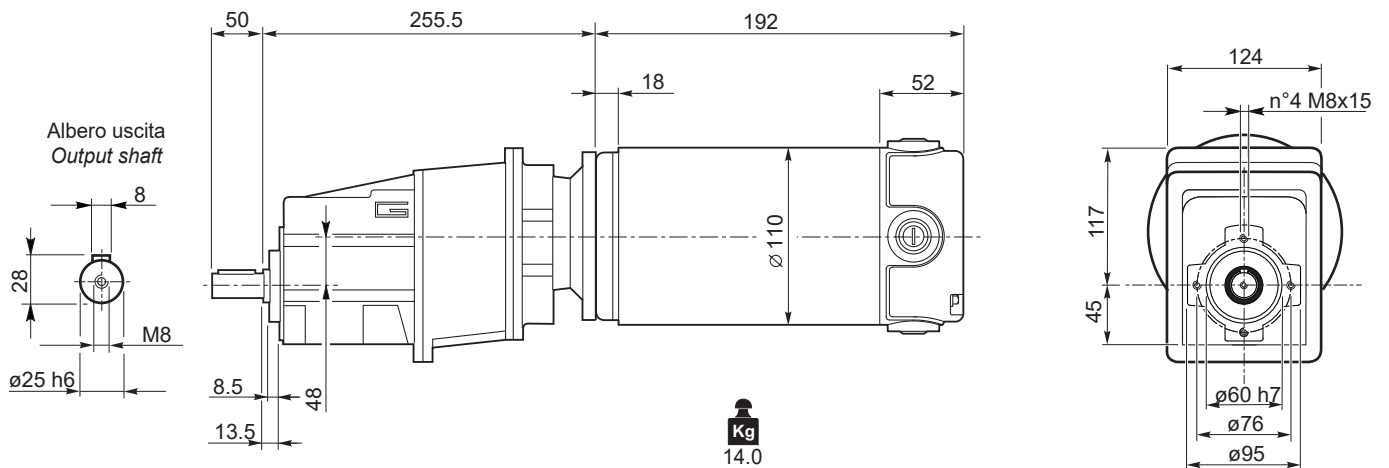
Dimensions

ECMG..U

ECMG350/022 U



ECMG350/023 U



Freno / Brake



I23

ECMG...H



M30

ECMG...F



M31

ECMG...H/F

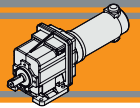


M32

Motori / Motors IP66



L10

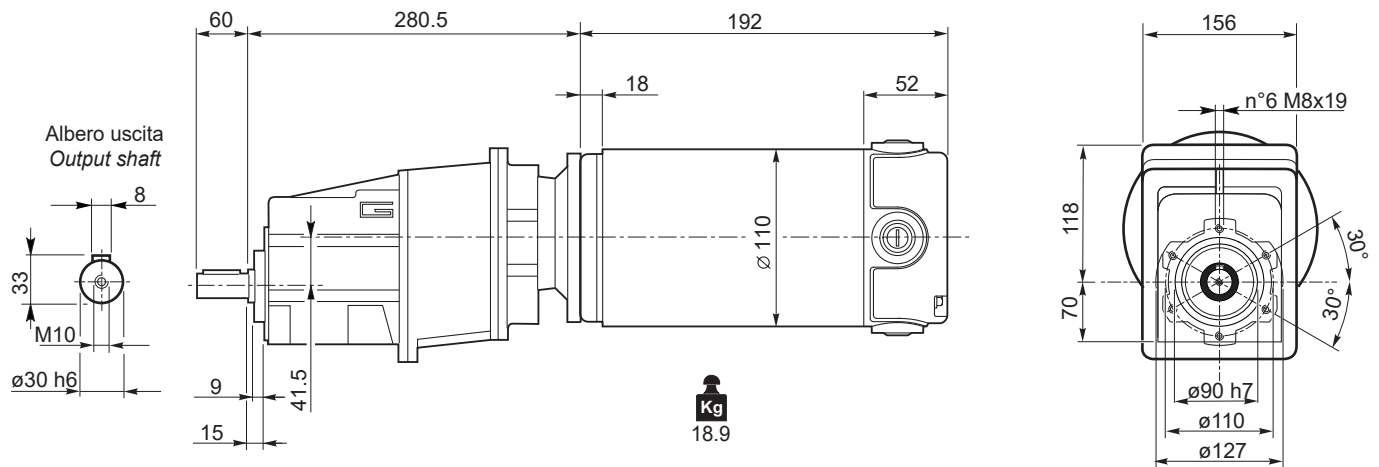


Dimensioni

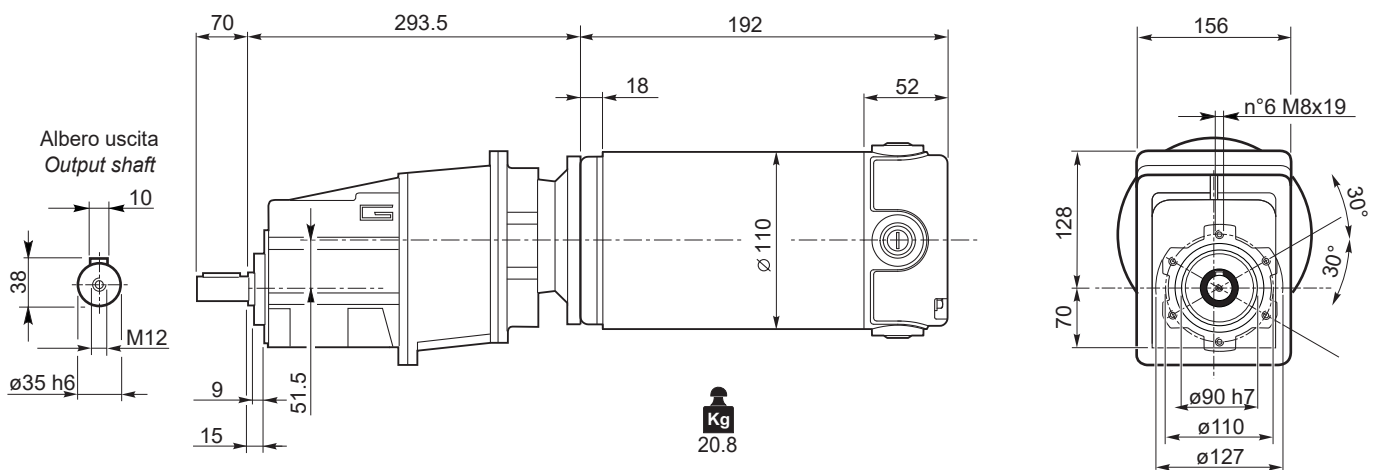
Dimensions

ECMG..U

ECMG350/033 U



ECMG350/043 U



ECMG

Freno / Brake

I23

ECMG...H

M30

ECMG...F

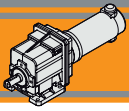
M31

ECMG...H/F

M32

Motori / Motors IP66

L10

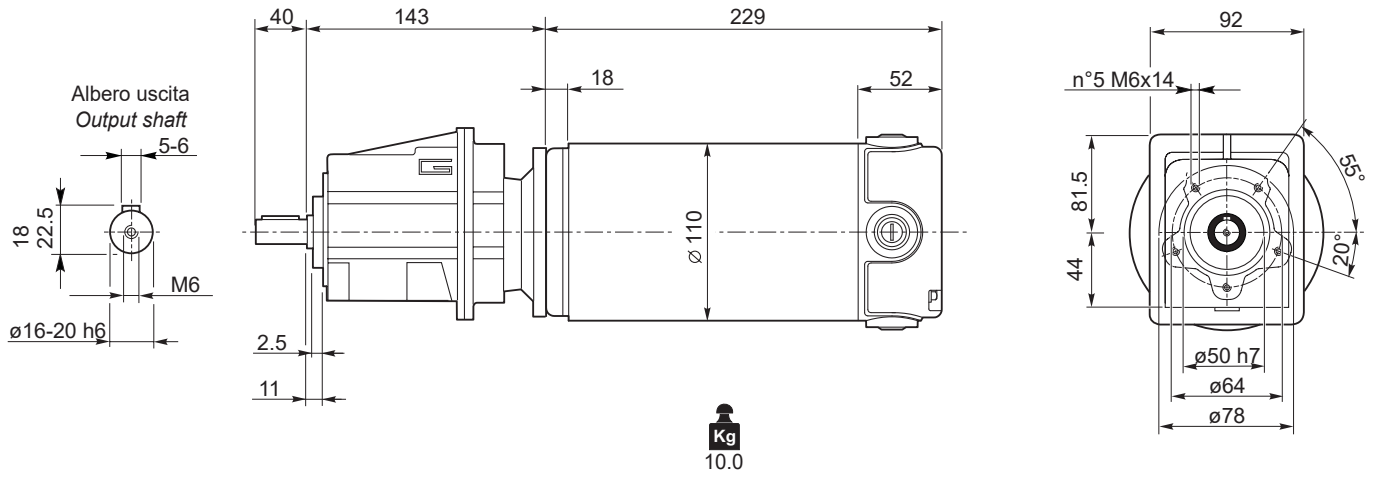


Dimensioni

Dimensions

ECMG..U

ECMG600/002 U



Freno / Brake



Motori / Motors IP66



ECMG...H

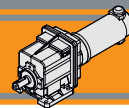


ECMG...F



ECMG...H/F



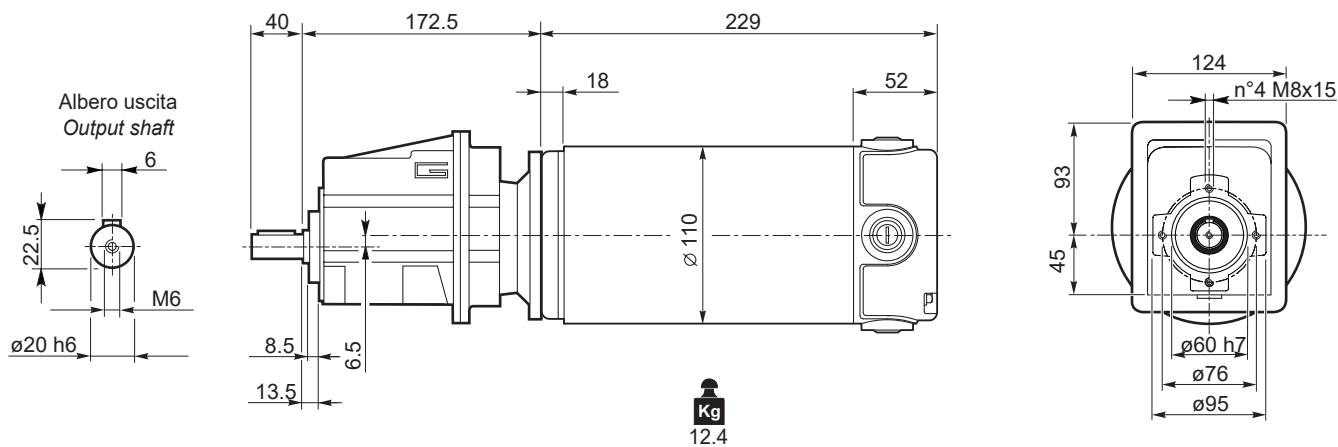


Dimensioni

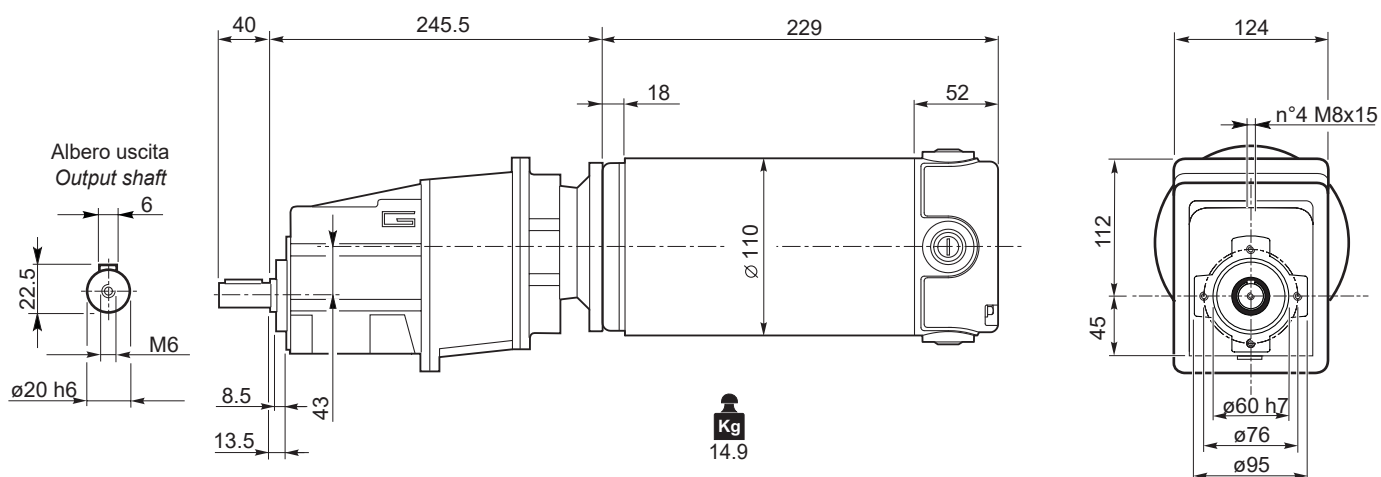
Dimensions

ECMG..U

ECMG600/012 U



ECMG600/013 U



ECMG

Freno / Brake



Motori / Motors IP66



ECMG...H

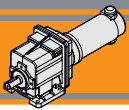


ECMG...F



ECMG...H/F



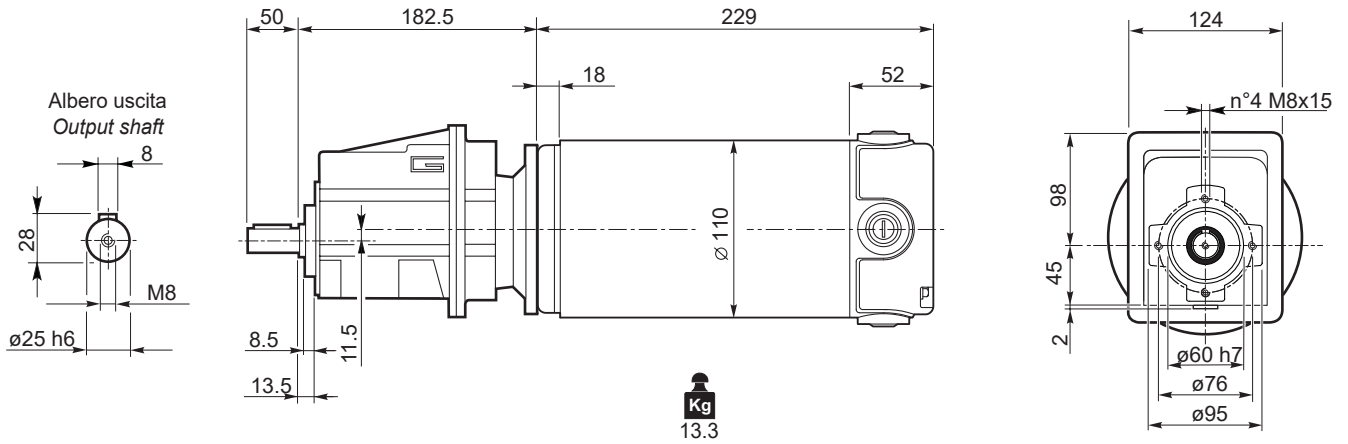


Dimensioni

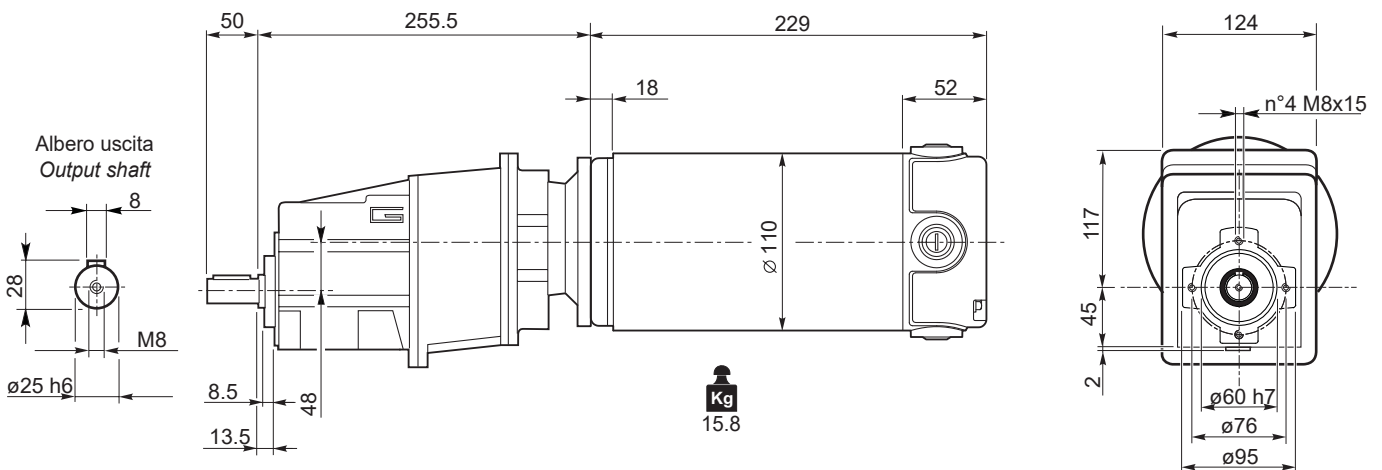
Dimensions

ECMG..U

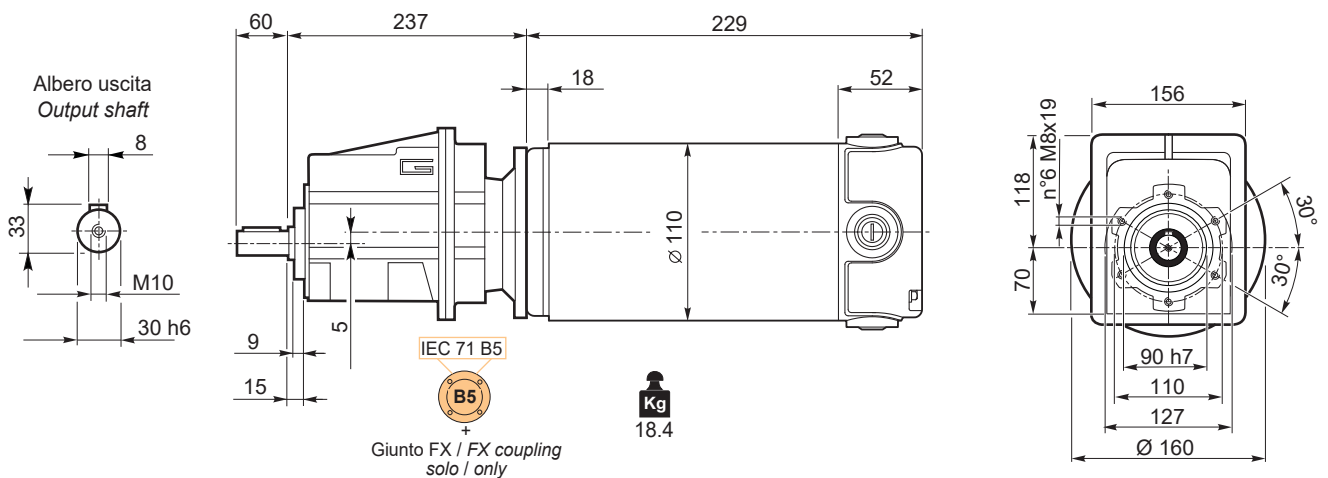
ECMG600/022 U



ECMG600/023 U



ECMG600/032 U



Freno / Brake

➔ I23

ECMG...H

➔ M30

ECMG...F

➔ M31

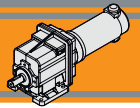
ECMG...H/F

➔ M32

Motori / Motors IP66

➔ L12

Nota: Motore IP66 non disponibile per ECMG600/032
Note: IP66 motor not available for ECMG600/032

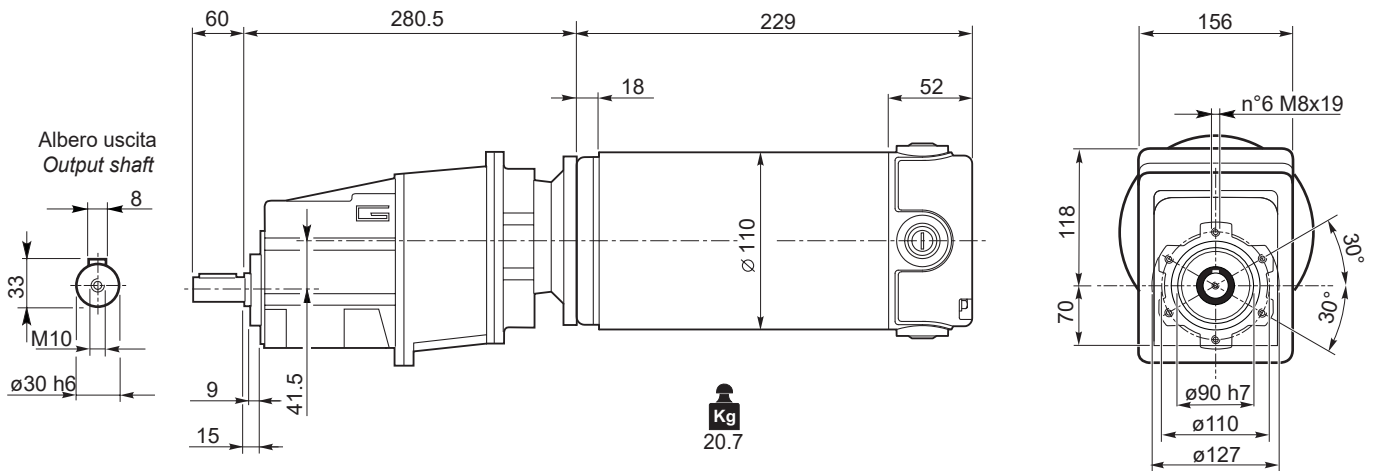


Dimensioni

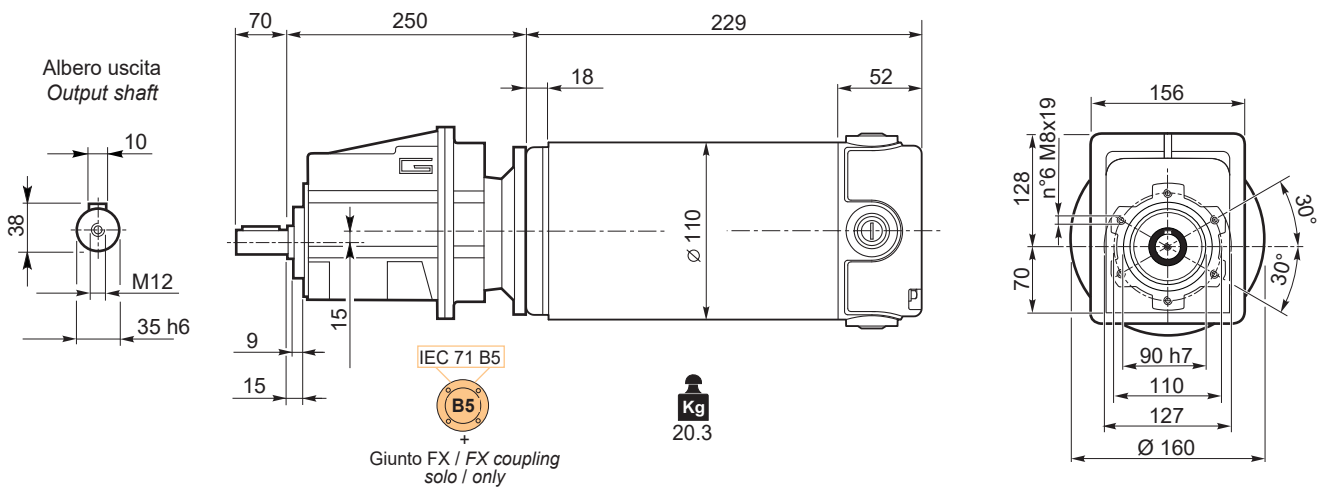
Dimensions

ECMG..U

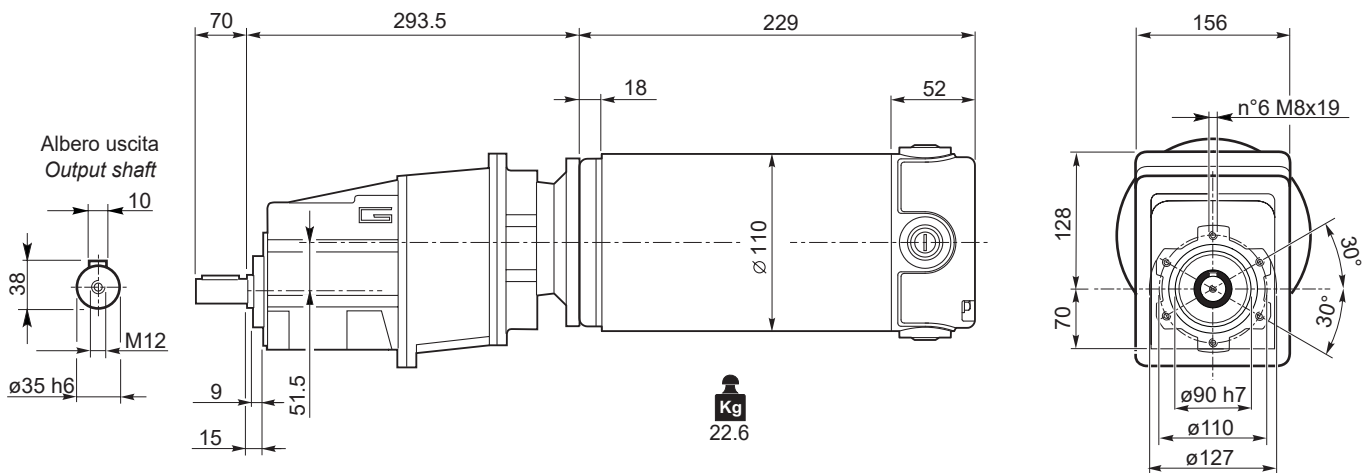
ECMG600/033 U



ECMG600/042 U



ECMG600/043 U



Freno / Brake

I23

ECMG...H

M30

ECMG...F

M31

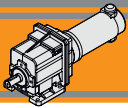
ECMG...H/F

M32

Motori / Motors IP66

L12

Nota: Motore IP66 non disponibile per ECMG600/042
Note: IP66 motor not available for ECMG600/042

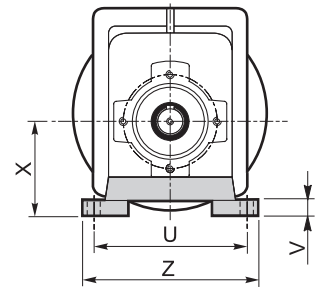
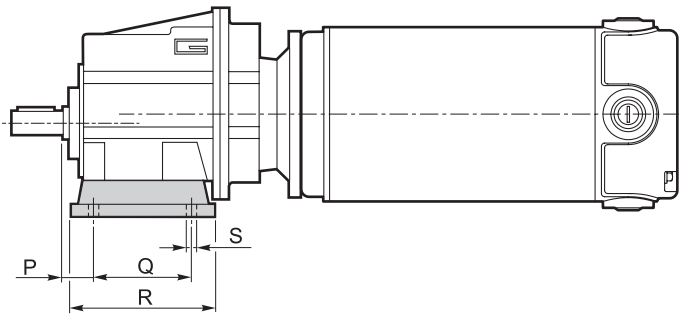


Dimensioni

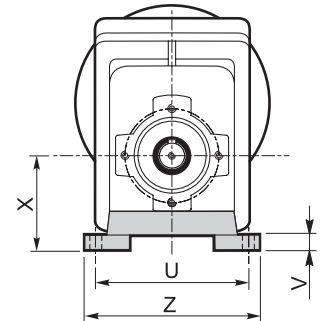
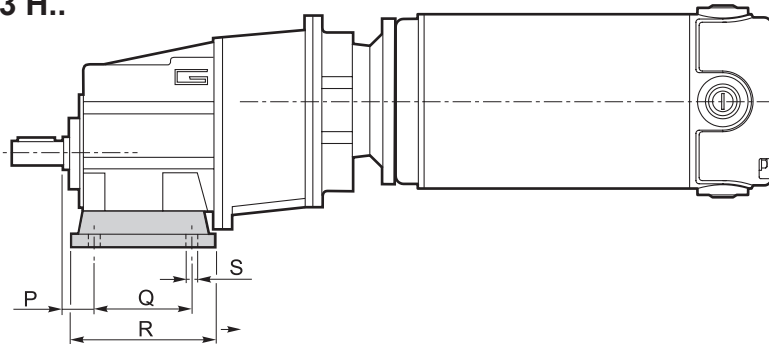
Dimensions

ECMG..H

ECMG..2 H..



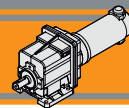
ECMG..3 H..



Versione H / H Version

CMG	P	Q	R	S	U	V	X	Z	Piede / Foot	
									Tipo / Type	Peso / Weight [kg]
002	18	60	80	9	100	10	60	120	H60	0.2
	18	80	104	9	110 - 120	10	75	145	H75	0.3
	18	50 - 87	110	9	110	10	85	135	H85	0.4
012 013	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7
022 023	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7
032 033	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
042 043	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6

Preferenziale / Preferred

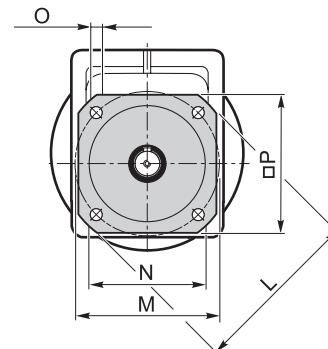
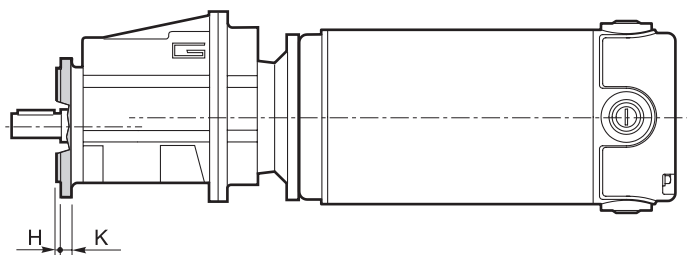


Dimensioni

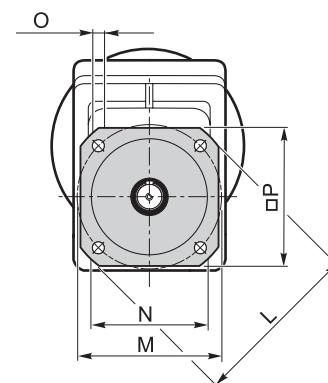
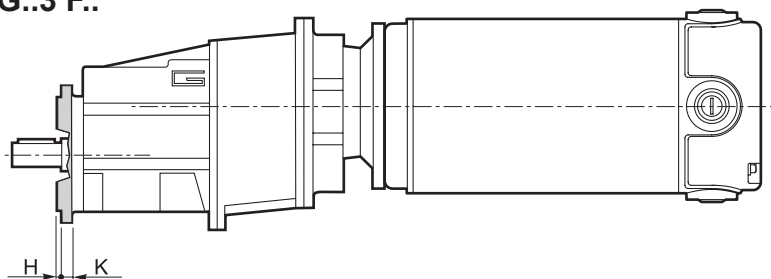
Dimensions

ECMG..F

ECMG..2 F..

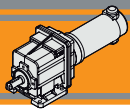


ECMG..3 F..



Versione F / F Version									
CMG	H	K	L	M	N f7	O	P	Flangia / Flange	
								Tipo / Type	Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	7	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2
012 013	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
022 023	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
032 033	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9
042 043	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9

ECMG



Dimensioni

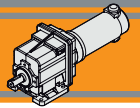
Dimensions

Versione H / H Version											Combinazioni possibili H/F Possible combinations H/F						
CMG	P	Q	R	S	U	V	X	Z	Piede / Foot		F105	F120	F140	F160	F200	F250	F300
									Tipo / Type	Peso / Weight [kg]							
002	18	60	80	9	100	10	60	120	H60	0.2	•	•	•				
	18	80	104	9	110 - 120	10	75	145	H75	0.3	•	•	•				
	18	50 - 87	110	9	110	10	85	135	H85	0.4	•	•	•				
012 013	20	85	108	9	115	12	65	139	H65	0.7		•	•				
	18	80	118	9	110	12	75	140	H75	1.0		•	•	•			
	25	85	120	9	120	12	80	140	H80	1.1		•	•	•			
	18	50 - 87	118	9	110	12	85	130	H85	1.2		•	•	•			
	25	130	154	9	110	12	90	135	H90	1.5		•	•	•	•		
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7		•	•	•	•		
022 023	20	85	108	9	115	12	65	139	H65	0.7		•	•				
	18	80	118	9	110	12	75	140	H75	1.0		•	•	•			
	25	85	120	9	120	12	80	140	H80	1.1		•	•	•			
	18	50 - 87	118	9	110	12	85	130	H85	1.2		•	•	•			
	25	130	154	9	110	12	90	135	H90	1.5		•	•	•	•		
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7		•	•	•	•		
032 033	30	105	136	14	160	14	95	194	H95	1.5				•	•		
	30	100	150	11	150	14	110	185	H110	1.9				•	•		
	18	70			160												
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
042 043	30	105	136	14	160	14	95	194	H95	1.5				•	•		
	30	100	150	11	150	14	110	185	H110	1.9				•	•		
	18	70			160												
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	

■ Preferenziale / Preferred

• Combinazioni possibili H/F / Possible combinations H/F

Versione F / F Version									
CMG	H	K	L	M	N f7	O	P	Flangia / Flange	
								Tipo / Type	Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	7	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2
012 013	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
022 023	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
032 033	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	150	14	215	F250	2.9
042 043	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	150	14	215	F250	2.9

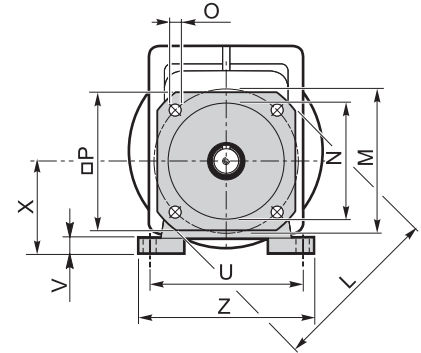
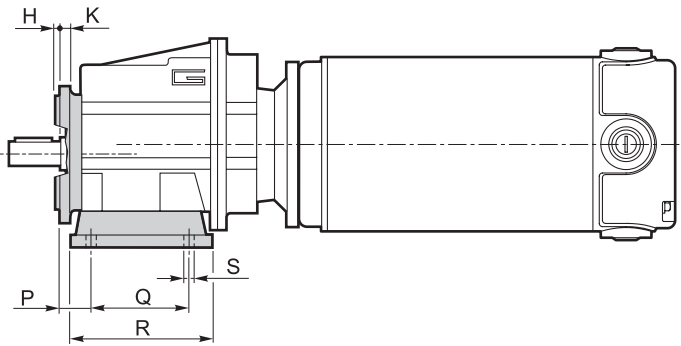


Dimensioni

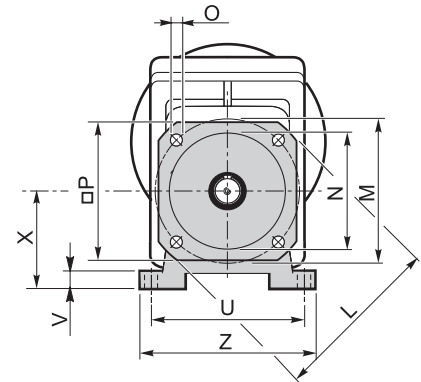
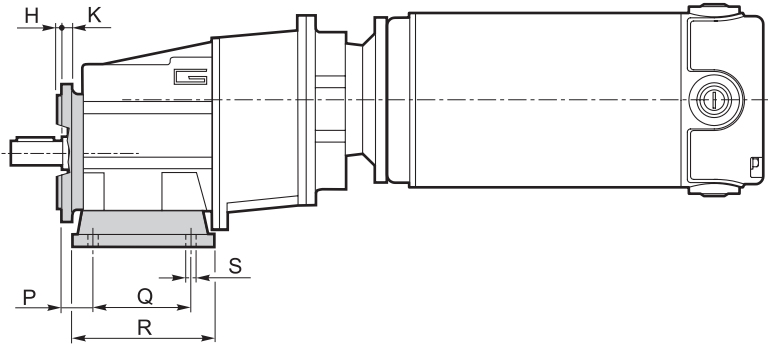
Dimensions

ECMG..H../F..

ECMG..2 H../F..



ECMG..3 H../F..



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