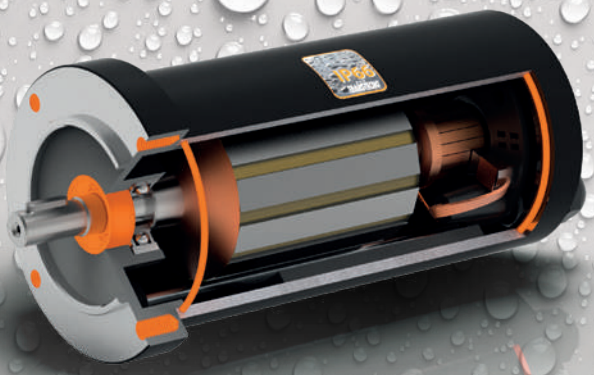
TRANSTECNO®
the modular gearmotor

CERTIFIED IEC/EN 60529

Ott Antriebstechnik
Standardisierte Individualität

IP66



Outdoor
applications

SM AC asynchronous electric motors

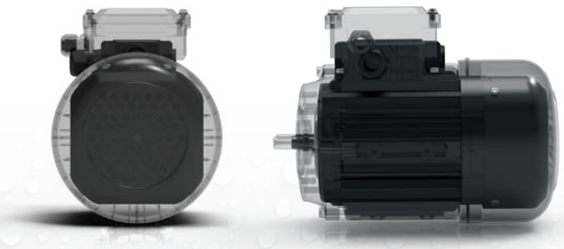
TEFC

TENV

Compact and basic **terminal cover** with **gaskets, o-rings** and **cable glands**.

Endshields designed for excellent protection through **Radial seal rings, O-rings** and **closed mounting holes**.

REDUCED DIMENSIONS



ELECTRICAL FEATURES

- Motor Power: 0,04 - 2,2 kW
- 4 poles (2 and 6 poles on request)
- Three-phase 230/400V 50Hz - 460V 60Hz
  Single-phase 230V 50Hz
- Inverter use
- PTO bimetal thermal protector
- Insulation class F

MECHANICAL FEATURES

- Available sizes: 50 ~ 90
- Extruded aluminium alloy (EN AW-6060 T5) casing with black anodized surface
- IP66 according to **IEC/EN 60529**
- B14 flange
- TENV and TEFC versions
- Brakes, encoders and servoventilation available on request

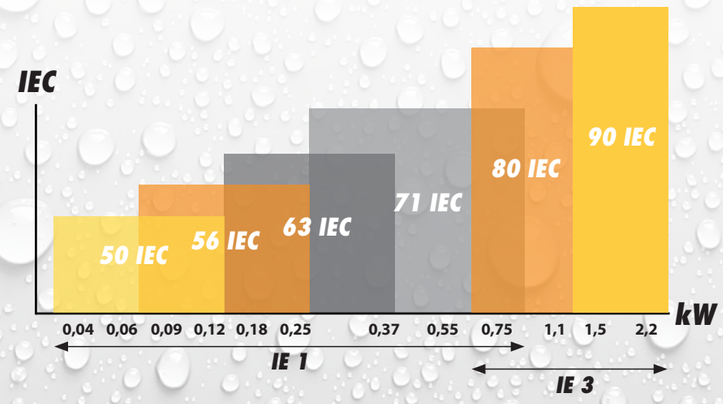
Available in stock

SMT: AC **Three phase** electric motors

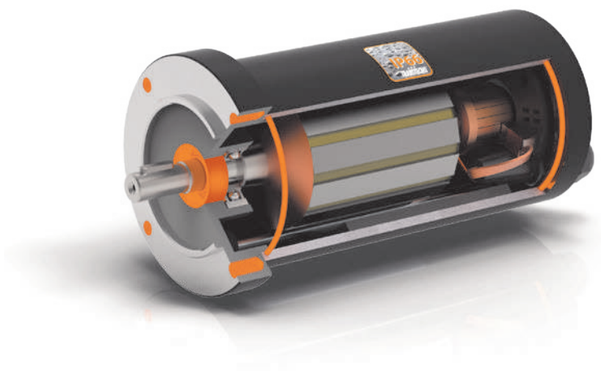
	Type	P_n [kW]	M_n [Nm]	N_n [min^{-1}]	I_n (400V) [A]	η %	cosΦ	M_s/M_n	I_s/I_n	M_k/M_n	TEFC Duty	TENV Duty
	5014	0,04	0,3	1290	0,25	34	0,68	1,65	1,75	1,7	S1	S3 30%
	5024	0,06	0,44	1300	0,35	35,7	0,69	1,55	1,8	1,6		
	5034	0,09	0,65	1315	0,54	38	0,64	1,8	2	1,85		
	5044	0,12	0,87	1315	0,64	43	0,63	1,8	2	1,8		
	5624	0,09	0,64	1345	0,45	46,5	0,62	2,5	2,4	2,7		S3 50%
	5634	0,12	0,89	1300	0,45	52	0,74	1,9	2,4	1,9		
	5644	0,18	1,26	1360	0,69	59	0,65	2,5	3	2,6		
	5654	0,25	1,8	1330	0,93	59	0,66	2,5	2,8	2,6		
	6324	0,18	1,26	1360	0,69	57	0,66	2,5	2,9	2,5		
	6334	0,25	1,74	1375	0,94	62	0,64	2,8	3	2,8		
	6344	0,37	2,6	1360	1,24	65,3	0,66	2,7	3	2,7		
	7124	0,37	2,52	1400	1,1	67,9	0,72	2,75	4,2	2,75		S3 45%
	7134	0,55	3,76	1395	1,55	70,2	0,73	2,9	4,4	2,9		
	7144	0,75	5,09	1405	2	74	0,73	2,9	5	2,9		
IE3	8024IE3	0,75	4,96	1440	1,94	82,5	0,68	3,6	6	3,7		S3 70%
IE3	8034IE3	1,1	7,25	1450	2,91	84,1	0,65	4	6,8	4,4		
IE3	9024IE3	1,5	10	1430	3,48	85,3	0,73	3,2	6,3	3,5		S3 75%
IE3	9034IE3	2,2	14,9	1410	4,68	86,7	0,79	3	6,2	3,3		

SMM: AC **Single phase** electric motors

Type	P_n [kW]	M_n [Nm]	N_n [min^{-1}]	I_n (230V) [A]	η %	cosΦ	M_s/M_n	I_s/I_n	M_k/M_n	Cond/cap [uF]	TEFC Duty	TENV Duty
5014	0,04	0,27	1390	0,6	33,4	0,88	0,74	1,6	1,55	8	S1	S3 30%
5024	0,06	0,42	1380	0,89	34,3	0,85	0,76	1,7	1,5	12		
5034	0,09	0,63	1375	1,1	40	0,89	0,8	1,7	1,45	16		
5624	0,09	0,63	1370	0,82	48,6	0,98	0,72	1,7	1,45	6,3		S3 50%
5634	0,12	0,83	1380	1,06	50,3	0,98	0,75	2,1	1,65	9		
5644	0,18	1,25	1375	1,5	53,8	0,97	0,7	2,2	1,58	12,5		
6324	0,18	1,33	1290	1,5	54,5	0,97	1	1,8	1,45	12		
6334	0,25	1,85	1290	1,95	56,8	0,98	0,93	1,9	1,5	16		
7124	0,37	2,72	1300	2,78	58,6	0,99	0,77	2	1,35	20		S3 45%
7134	0,55	3,95	1330	3,54	68,9	0,98	0,66	2,4	1,4	25		
8024	0,75	5,31	1350	4,93	67,4	0,98	0,67	2,5	1,54	35		S3 40%



EC DC Electric motors



Endshields designed for excellent protection through **radial seal rings, o-rings** and **closed mounting holes**

ELECTRICAL FEATURES

- Motor power: 50W up to 800W
- Low voltage power supply 12 and 24 Vdc
- Magnetic field generated by permanent ferrite magnets
- High starting torque in compact dimensions
- Insulation class F

MECHANICAL FEATURES

- IP66 according to **IEC/EN 60529**
- Output IEC flanges 56B14 up to 71B14
- Tubular construction, without fan
- Sizes available: diameter 65, 81, 104, 110 mm

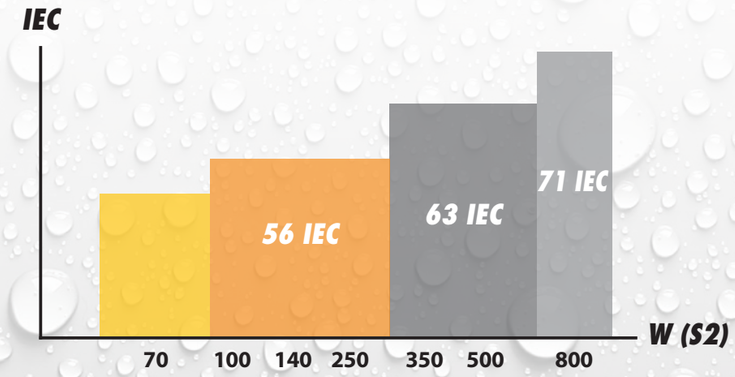
Ferrite Permanent magnets DC electric motors

Available in stock

Type	Service Duty	P_n [W]	Voltage [V]	I_n [A]	M_n [Nm]	Mass [Kg]	FF	n_n [min-1]
EC050.120	S1	50	12	6,5	0,16	1.2	1	3000
	S2 30′	70		9	0,22			
EC050.240	S1	50	24	3,2	0,16			
	S2 30′	70		4,5	0,22			
EC070.120	S1	70	12	8.4	0.22	1.7		
	S2 30′	100		11.8	0.31			
EC070.240	S1	70	24	4.2	0.22			
	S2 30′	100		5.9	0.31			
EC100.120	S1	100	12	12	0.31	2.7		
	S2 25′	140		16.8	0.43			
EC100.240	S1	100	24	6	0.31			
	S2 25′	140		8.4	0.43			
EC180.120	S1	180	12	21.5	0.57	3.4		
	S2 25′	250		30	0.8			
EC180.240	S1	180	24	10.8	0.57			
	S2 25′	250		15	0.8			
EC250.120	S1	250	12	30	0.8	4.15		
	S2 25′	350		38.5	1.12			
EC250.240	S1	250	24	15	0.8			
	S2 25′	350		20.5	1.12			
EC350.120	S1	350	12	42	1.12	5.1		
	S2 30′	500		58.8	1.57			
EC350.240	S1	350	24	21	1.12	5.33		
	S2 30′	500		29.4	1.57			
EC600.120	S1	600	12	71	1.91	6.6		
	S2 30′	800		94.4	2.54			
EC600.240	S1	600	24	35.5	1.91	7.1		
	S2 30′	800		47.2	2.54			

BRAKE AND ENCODER

Motors designed to **grant high protection even with accessories installed**



Washdown Cover

Available in stock

Ideal solution to protect the gearbox in **harsh environmental conditions** or where cleaning is a fundamental part of the application:

- **Black anodized aluminium cover**
- **O-ring seal**
- **Captive screws**

ADVANTAGES:

- Increased gearbox life thanks to **higher corrosion protection**
- **Shaft and oil seal protection** under all weather and working conditions
- **Less maintenance**

CM
Wormgearboxes

CL
Wormgearboxes

CMB
Helical bevel gearboxes

Washdown cover available for all the worm and helical bevel gearboxes:

Size									
	026	030	040	050	063	070	085	090	110
CM	✓	✓	✓	✓	✓	✓	✓	✓	✓
CL	✓	✓	✓	✓		✓			
CMM/CLL	✓	✓	✓	✓	✓	✓	✓	✓	✓
CMB			✓	✓	✓			✓	

Rubber gasket CA

Available in stock

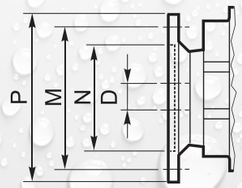
Waterproof **gasket** between **input flange and motor**

Rubber gasket designed to **grant high protection** to the whole gearmotor unit

ADVANTAGES:

Rubber gaskets might be considered simple accessories and their function is often underrated, but actually they guarantee:

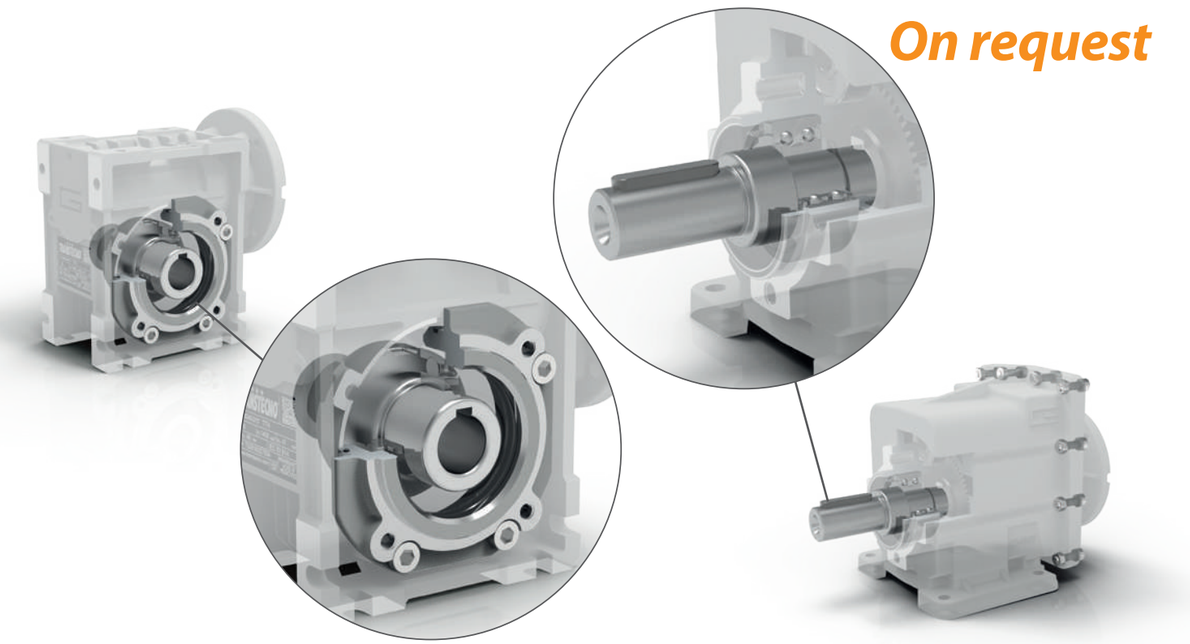
- **long-term resistance** to steam and water
- **constant mechanical properties** even in case of temperature surge
- **less maintenance**



IEC Dimensions					
	56 B14	63 B14	71 B14	80 B14	90 B14
N	50	60	70	80	95
M	65	75	85	100	115
P	80	90	105	120	140
D	9	11	14	19	24

Stainless steel output shaft

On request



AISI stainless steel hollow output shaft, screws, bolts.

Excellent corrosion resistance properties in harsh environmental conditions:
- Mechanical properties preservation over a wide range of temperature
- Less maintenance

Black anodized surface

On request

Black anodized surface perfect for harsh environmental conditions
- Protection against corrosion of aluminium parts
- Thin and constant coating on all product parts
- Excellent resistance to UV exposure
- Higher hardness and strength

GEARBOX FEATURES

- Die-cast aluminium housing for helical in-line gearboxes CMG, helical bevel gearboxes CMB, helical parallel gearboxes FT, wormgearboxes CM-CL
- Permanently lubricated and maintenance-free gearmotors
- Gearmotors that can be installed in any mounting position

CMG	Nominal output torque Mn_2 [Nm]
CMG002	70
CMG012/3	120
CMG022/3	200
CMG032/3	300
CMG042/3	500

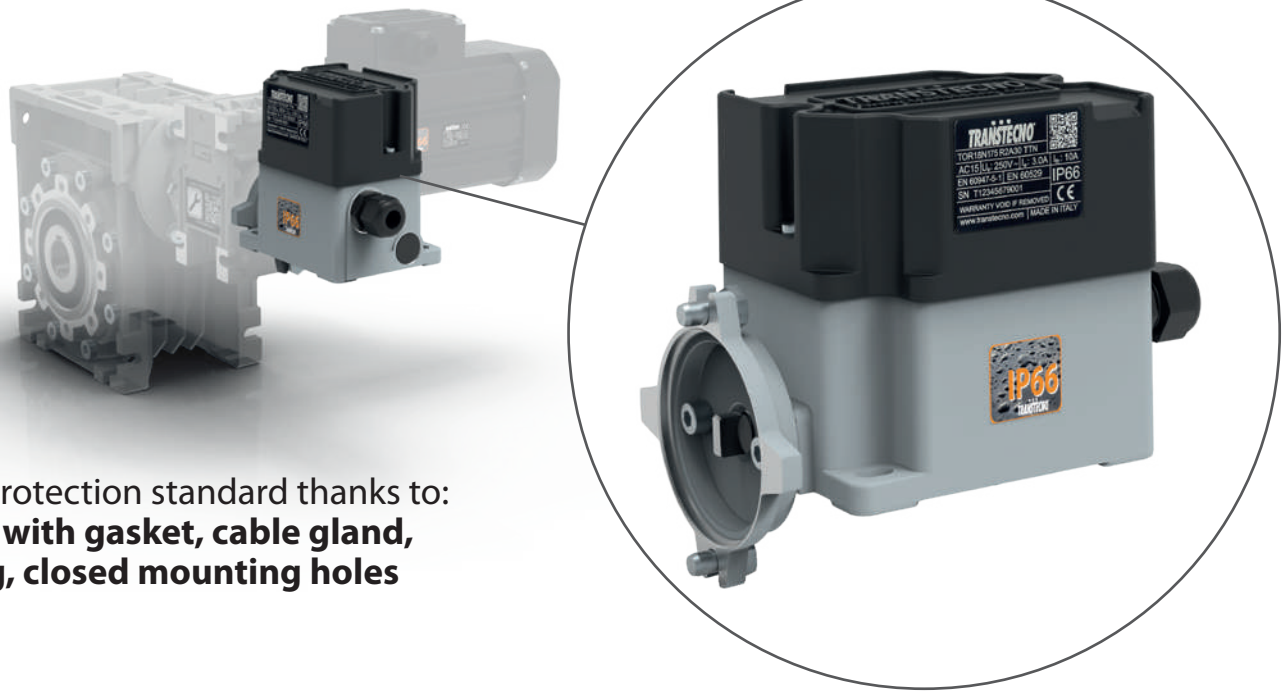
CMB	Nominal output torque Mn_2 [Nm]
CMB402	65
CMB502	125
CMB633	250
CMB903	500

CM-CL	Nominal output torque Mn_2 [Nm]
CM026 - CL026	15
CM030 - CL030	22
CM040 - CL040	48
CM050 - CL050	88
CM063	166
CM070 - CL070	241
CM075	289
CM090	493
CM110	815

FT	Nominal output torque Mn_2 [Nm]
FT105	65
FT146	120
FT196	550

TOR-N
Rotary Limit Switch

Available in stock



IP66 protection standard thanks to:
cover with gasket, cable gland, o-ring, closed mounting holes

The rotary limit switch is a device which allows you to control the movement of industrial machines.

FEATURES:

- aluminium housing and flanges
- plastic cover (ABS)
- easy coupling with all Transtecno wormgearboxes through a suitable flange and shaft
- two sizes: TOR18N (version with contacts only) and TOR36N (version with both contacts and potentiometer)

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