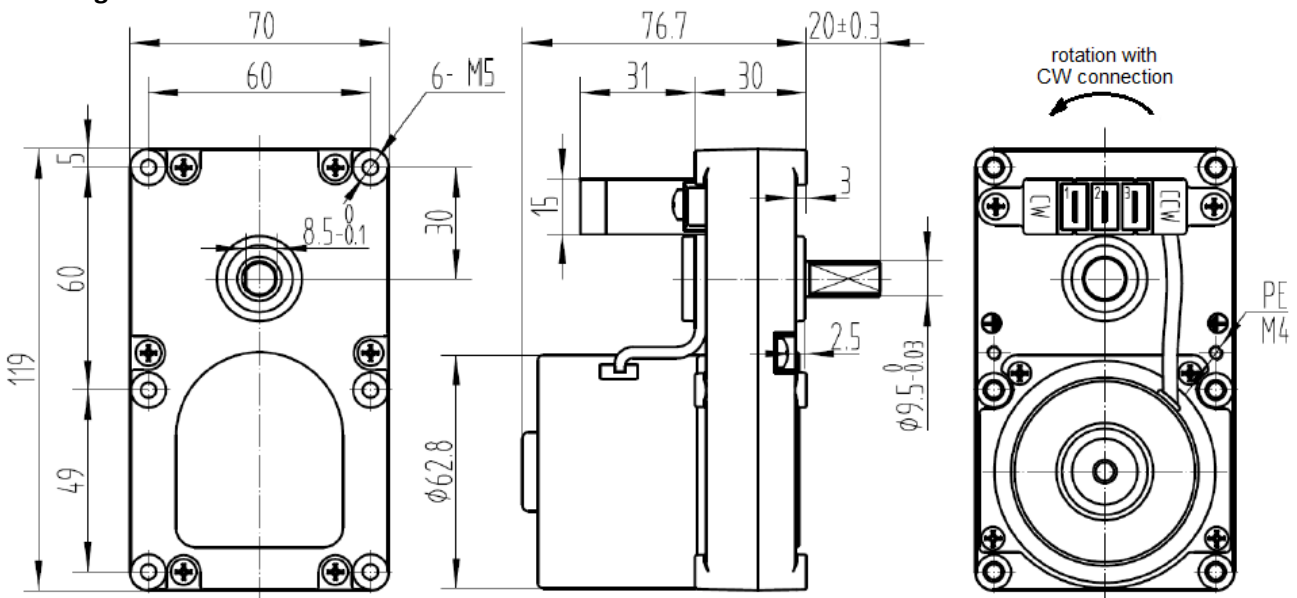


Rated voltage	220-240 V	Operating voltage	200 V – 255 V
Rated frequency	50 Hz	Starting voltage	170 V
Rated current	0,10 A ±10%	Operating temperature	from -10°C to +70°C
Rated power	21 W ±10%	Operating humidity	10 – 90 % R.H. (no condensation)
Rated speed	3,5 rpm ±5%	Rotation	CW / CCW
Rated torque	10 Nm	Sound pressure level	45 dB(A) at 1 m
Max torque	13 Nm	IP rate	IP 20
Stall torque	15 Nm	Type of service	S3 (intermittent)

Note:

- 1) Gearbox motor can operate with a torque load on the slow shaft from 0 Nm to max torque value.
- 2) The stall torque is the condition over which the gearbox motor is not able to operate.
- 3) If the gearbox motor operates over the max torque, its life is reduced drastically.
- 4) To avoid reverse rotation, turn on the gearbox motor observing the zero crossing.

Drawing

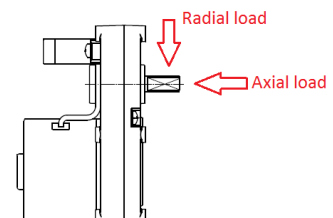


Electrical and mechanical characteristics		Material list		
Insulation Class	Class F	Item	Material / References	pcs
Appliance Class	Class OI	Plastic gear	PA66	1
Capacitor value	0,56 µF / 450V ^①	Metal gear	Sintered SB4050 and steel	2
Dielectric strength test	1800V 50Hz for 1 s	Shaft ring	PA66	1
Insulation resistance	100 MΩ min	Ball bearing	NMB – 626ZZ	2
Reduction rate	103,1:1	Grease	EUBO® C373 TDS	na
Axial play slow shaft	0,5 mm max			
Backlash (no load)	2,0° max			
Mounting position	Any			

Note: ^① the capacitor is in compliance with IEC EN 60252-1 standard

Radial and axial load

Radial and axial load applied to the slow shaft reduce the life of gearbox. We suggest don't exceed 250N of radial load and 200N of axial load.



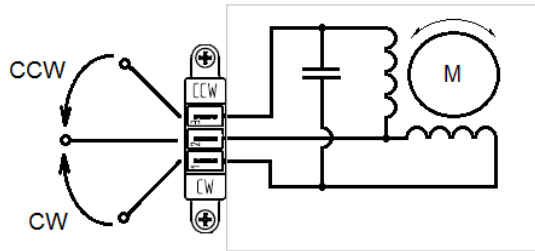
Electrical connection and wiring diagram

Electrical connections:

- No 3 male terminals 6,3 x 0,8mm

Direction of rotation:

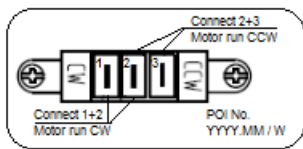
CW or CCW rotation looking at exit of the slow shaft.



Marking

Example of label. For the correct data of this model, please referred to the ones written on the first page of this specification

LABEL #1



LABEL #2

Standard applied

Low Voltage Directive: EN 60335-1

EMC Directive: Emission – EN 55014-1, EN 61000-3-2 and 61000-3-3

Immunity – EN 55014-2

Performance curves

Gearbox synchronous motor GMFE350D95
rated speed 3,5 rpm

