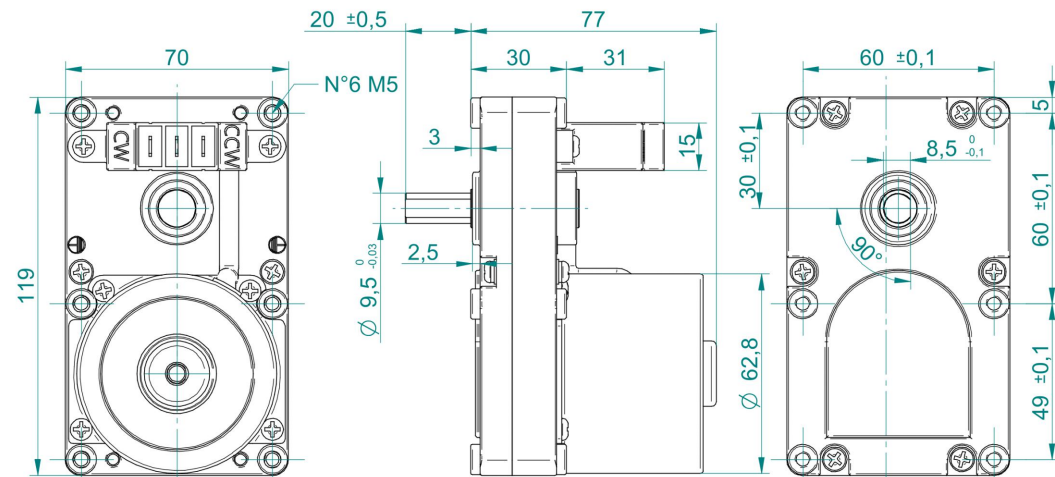


 IPC MOTORS FOR PASSION	GEARBOX MOTOR		GMF235D901 Rev.1
	3,5 rpm with 230V - AC synchronous motor		Page 1 of 2

Rated voltage	220-240 V		Operating voltage	200 V – 255 V	
Rated frequency	50 Hz	60 Hz	Storage temperature	from -30°C to +75°C	
Capacitor value ^①	0,56 µF / 450V		Operating temperature	50Hz from -10°C to +70°C	60Hz from -10°C to +60°C
Rated current	0,08 A	0,11 A	Operating humidity	10 – 90 % R.H. (no condensation)	
Rated power	16 W	25 W	Rotation ^④	CW / CCW (look at the shaft)	
Rated speed	3,5rpm	4,2rpm	Sound pressure level	45 dB(A) at 1 m	
Rated torque	10 Nm		IP rate ^⑤	IP 20	
Max torque ^②	13 Nm		Type of service	S3 (intermittent)	
Stall torque ^③	15 Nm				

Note: ^① The capacitor is in compliance with IEC EN 60252-1 standard.
^② Gearbox motor must operate with a torque load from 0 Nm to max torque. If operates over max torque, its life is reduced drastically.
^③ The stall torque is unstable condition, we cannot guarantee its value. It is mandatory the customer prevents from the gearmotor works at this condition.
^④ To avoid reverse rotation, switch on the gearmotor observing the zero crossing.
^⑤ IP grade is satisfied if the 3 electric terminals are connected, or the free one is covered.

Drawing

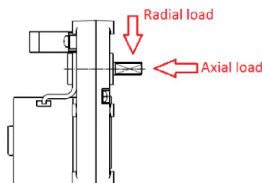


Electrical and mechanical characteristics	
Insulation Class	Class F
Appliance Class	Class OI
Dielectric strength test	1800V 50Hz for 1 s
Insulation resistance	100 MΩ min
Reduction rate	103,1:1
Axial play slow shaft	0,5 mm max
Backlash (no load)	2,0° max
Mounting position	Any

Material list		
Item	Material / References	pcs
Plastic gear	PA66	1
Metal gear	Sintered SB4050 and steel	2
Shaft ring	PA66	1
Motor bearing	Ball bearing 698 2RS or ZZ	2
Grease	EUBO® C373 TDS / DERILL® M618	na

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.



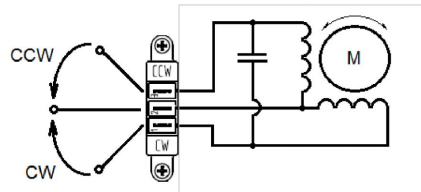
Electrical connection and wiring diagram

Electrical connections:

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

Direction of rotation:

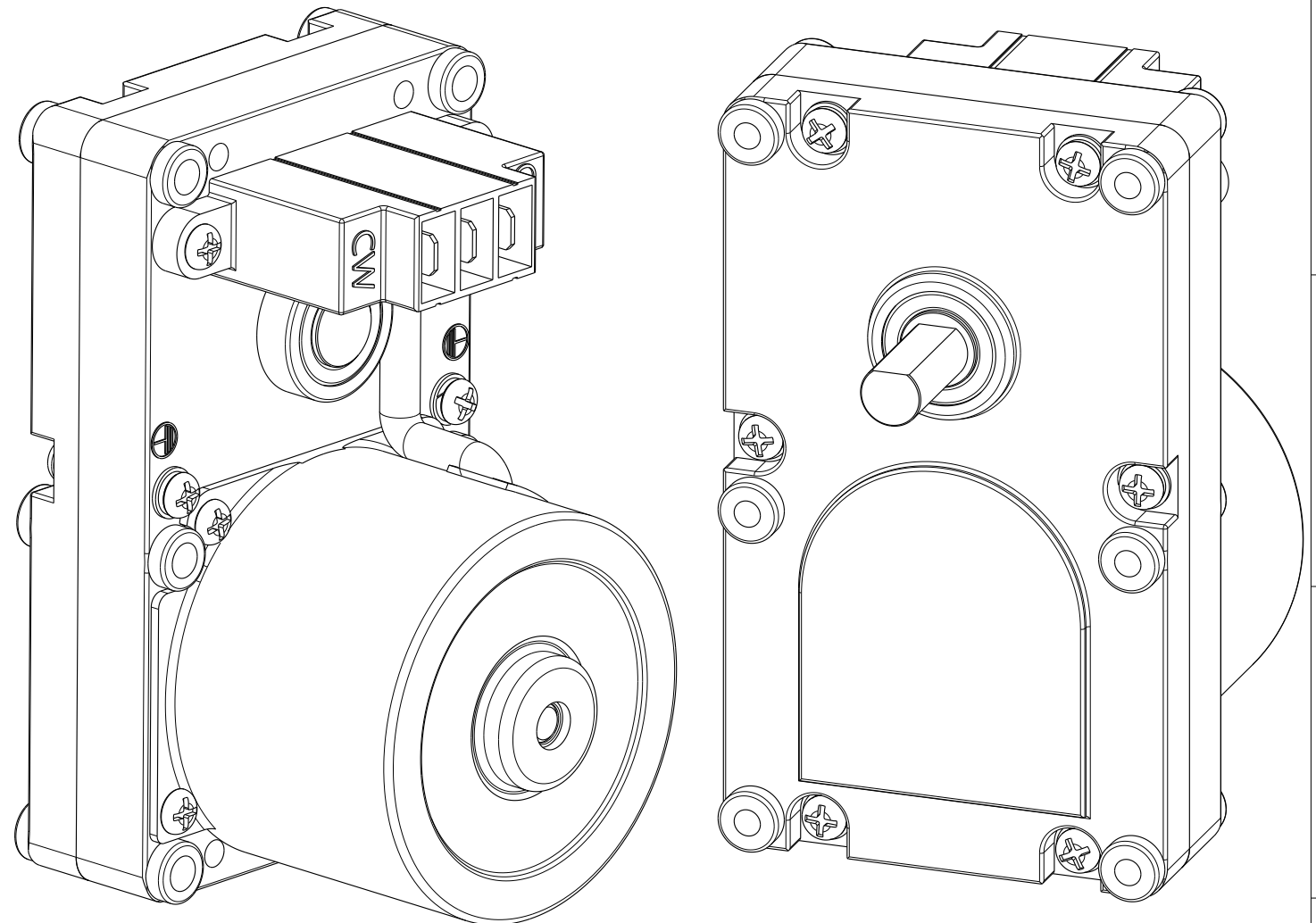
CW or CCW rotation looking at exit of the slow shaft.



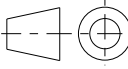
This revision replaces all previous versions of this document. IPC has done every effort to ensure that all information in this document is complete and correct at the time of publication. Due to possible product improvements, we reserve the right to change certain data in this document without prior notice.

Emission: 2024.11.20

Alle fehlenden Maße sind dem 3D Modell zu entnehmen
all missing dimensions should be obtained from the 3D model



Abmessungen und Toleranzen laut Datenblatt dimensions and tolerances acc. to datasheet

a	MMa	16.09.2026	-	Änderung Kommentar / change comment	
Index	Name/name	Datum/date			
	Dokumentart/ document type	erst.	Datum/date	Name/name	Der Inhalt dieser Zeichnung ist unser geistiges Eigentum. Die Zeichnung ist dem Empfänger nur zum persönlichen Gebrauch anvertraut. Ohne unsere schriftliche Einwilligung darf sie weder veröffentlicht noch an dritten Personen zugänglich gemacht werden. Zuwiderhandeln wird von uns gerichtlich verfolgt. Schutzvermerk DIN ISO 16016. The design acc. to this drawing is the property of Austroflamm GmbH and must not be made available to any third person, copied, reproduced nor used in any manner whatever without the written consent of Austroflamm GmbH, contravening will be prosecuted.
	ASM	gepr.	16.09.2026	mma	Benennung / title
Allgemeintoleranz/general tolerance DIN ISO 2768-m-K		Status/ state	Freigegeben		GMF235D901
Oberflächensymbole/surface symbols DIN EN ISO 1302:2002-06		unbemähte Werkstückanten/ undefined chamfers DIN ISO 13715			Werkstoff/ material
Silikon/silicone Brandschutz 340/Ramsauer, transparent				Oberfläche/ surface	Oberfläche Rohteil/ surface raw part
Maßstab/scale		1:1	Zeichnungsnummer / drawing number		Rohteil/ raw part
Format/size		A3	739015		Masse/ mass [kg]
			entstanden aus/ arised from		-
			Bezeichnung/ name		B:EBETEC:GMF235D901
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