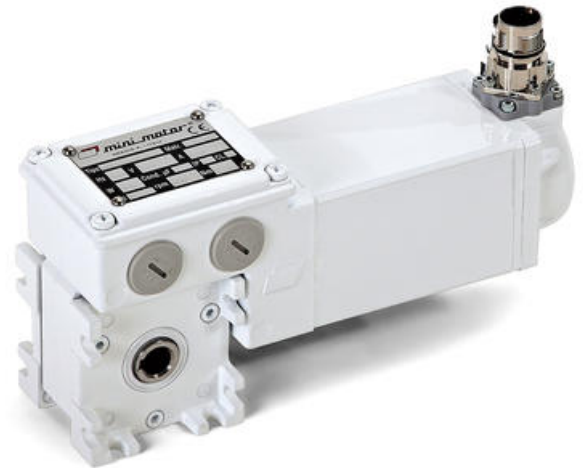


## MINIMOTOR MCFBS WORM GEAR MOTOR

MCFBS 55/50-10 B3  
230V 300rpm 2.8 Nm B3 mount

- For clean environments
- IP67 as standard
- Up to 13Nm rated torque
- 4 pole brushless motor
- Fitted with sealed connector



### PRODUCT DESCRIPTION

White epoxy coating for increased protection against chemicals and harsh working environments.  
IP67 rated with no external fan.

MOTOR: 4 poles sinusoidal brushless motor, totally enclosed. Rotor with NdFeB magnets. Safety circuit breaker. Class H winding in accordance with CEI EN 60034-1. IP67 standard protection in accordance with CEI EN 60529. Feedback with 2 pole resolver. Reduced clearance bearings with special grease for high temperatures.

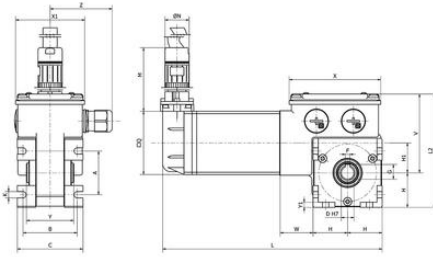
GEARUNIT: with die-cast aluminium casing. Centre distance 26 mm. CARO bronze ring, 120÷160 HB hardness. Worm gear in hardened steel with grinding thread rotating on ball and roller bearings, output shaft in stainless steel on request.

Lubrication with special long-lasting oil. Sealing rings made in special rubber for high temperatures. 10 gear ratios (i) available, from 5 to 80. Rated torque 9 Nm. Version B3 or B5. B5/S left version - B5/D right version.

[Please click here for 2D and 3D drawings](#)

### TECHNICAL DATA

|                |         |
|----------------|---------|
| Nominal speed  | 300 rpm |
| Nominal torque | 2,8 Nm  |
| Ratio          | 10:1    |



B3

| Motor type  | A  | B  | C  | D  | F | G    | H  | H1 | K   | L     | L2 | Q  | V  | X  | X1 | Y  | Y1  | W    | Z  | Max. weight<br>Gross weight<br>Net weight<br>kg |
|-------------|----|----|----|----|---|------|----|----|-----|-------|----|----|----|----|----|----|-----|------|----|---|
| MCF85 55-90 | 38 | 47 | 58 | 11 | 4 | 12,8 | 30 | 26 | 5,5 | 190,5 | 99 | 55 | 69 | 80 | 60 | 41 | 4,5 | 28,5 | 56 | 1,96  |

2D model selection



Electric motor

11.06.2017



Gearbox motor

11.06.2017



Worm gear motor

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Brushless servomotor

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Clean products

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Charts

Please see product description above for 2D and 3D drawings