

MINIMOTOR - MCE WORM GEAR MOTOR WITH PLANETARY REDUCTION

MCE100PB3-74
230V 1 ph 74rpm 3.8Nm B3 mount

- Single or three phase
- 14 to 180W delivered power
- Up to 23.5Nm rated torque
- B3 foot or B5 flange mounting
- IP65 as standard



PRODUCT DESCRIPTION

High quality, designed from the ground up to IP65 rated compact gear motor.

Physically smaller than the majority of similar powered gear motors due to the use of high quality components in precision manufacturing.

Ideally suited to many applications, including label and packaging machines, conveyors, pharmaceutical and medical machinery

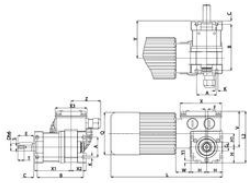
MOTOR: Asynchronous single or three phase with 2 or 4 poles, totally enclosed with external ventilation. Thermal safety cutout on single phase model. Class F winding. IP65 protection according to CEI EN 60529.

GEAR UNIT: Die-cast aluminium casing in the first reduction stage, with worm screw and steel casing in the second planetary stage, with CARO bronze ring, 120÷160 HB hardness. Hardened steel screw with ground thread rotating on ball and roller bearings. Lubrication with special long life oil. Sealing rings made in special rubber for high temperatures. 9 gear ratios (i) available, from 37.5 to 400. Rated torque 23.5 Nm. Version B3 or B5. B5/S left version - B5/D right version.

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

TECHNICAL DATA

| | |
|------------------|---------|
| Capacitor | 3.15μF |
| Input voltage ac | 230V |
| IP class | IP65 |
| Nominal speed | 74 rpm |
| Nominal torque | 3,8 Nm |
| Output power | 35 W |
| Rated current | 0.41A A |
| Ratio | 37.5:1 |



B3/S

| Type Type Type Type | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | X1 | X2 | X3 | Y | Y1 | Y2 | Power Output [Watt] P _{out} |
|------------------------------|----|----|---|----|----|---|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|---|----|-------|----|----|---|----|----|---|
| MCE_P | 38 | 88 | 7 | 14 | 30 | 5 | 16 | 30 | 26 | 5,5 | 193 | 99 | 81 | M5 | 12 | 69 | 28 | 80 | 70 | 29 | 60 | 72 | 6 | 56 | 2,955 | | | | | | |
| MCE_PS | 38 | 88 | 7 | 14 | 30 | 5 | 16 | 30 | 26 | 5,5 | 213 | 99 | 81 | M5 | 12 | 69 | 28 | 80 | 70 | 29 | 60 | 72 | 6 | 56 | 3,275 | | | | | | |
| MCE_P2 | 38 | 88 | 7 | 14 | 30 | 5 | 16 | 30 | 26 | 5,5 | 251 | 99 | 85 | M5 | 12 | 69 | 28 | 80 | 70 | 29 | 60 | 72 | 6 | 56 | 4,365 | | | | | | |

AC motor selection



Electric motors

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Sensored motor

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Invertor gramotors

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Brushless servomotors

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Clean products

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Controls

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