



MINIMOTOR - PCE WORM GEAR MOTOR WITH PLANETARY REDUCTION

PCE240M3B3-84
230V 1 ph 84rpm 14.9Nm B3 mount

- Single or three phase
- 44 to 270W delivered power
- Up to 90Nm 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

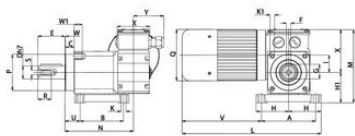
MOTOR: Asynchronous single or three phase with 2 or 4 poles, totally enclosed with external ventilation. Thermal safety cutout on single phase model. Class F winding. IP65 protection according to CEI EN 60529.

GEAR UNIT: Die-cast aluminium casing in the first reduction stage, with worm screw and steel casing in the second planetary stage, with three internal planetary gears. CARO bronze ring 120-160 HB hardness. Hardened steel screw with ground threads 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 33.25 to 475. Rated torque 90 Nm. Version B3 or B5. B5/S left version - B5/D right version.

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

TECHNICAL DATA

Capacitor	8 μ F
Input voltage ac	230V
IP class	IP65
Nominal speed	84 rpm
Nominal torque	14,9 Nm
Output power	140 W
Rated current	1.03A A
Ratio	33.25:1



B3/S

Type Type Type Type	A	B	C	D	E	F	G	H	M1	K	K1	I	L	L1	M	N	P	Q	R	S	T	U	V	W	W1	X	Y	Prep Weight Gross Pounds kg
PCE-M3	100	80	16	24	50	8	27	60	56	9	M10	32	237	147	136	127	67	95	22	M8	15	28	80	1	15	80	56	7,240
PCE-M4	100	80	16	24	50	8	27	60	56	9	M10	32	237	177	136	127	67	95	22	M8	15	28	80	1	15	80	56	8,340

Electric motors

15.06.2017

Servomotor

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Brushless servomotors

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Clean products

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Circuits

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