

PMDC Motor

180 Watt

Frame Size: ☐ 90 mm

Replaceable Carbon Brush Permanent Magnet Motor.
Rotates in Clockwise or Counter Clockwise Direction.
Continuous Rating, Lead Wires for Connection.



Specifications:

Mode	Supply Voltage	Current A	Rated Torque N.m	Rated Speed RPM
5PW4□180	90 V	2.2	1.26	1350
5PX4□180	180 V	1.1	1.26	1350

□ Type of Shaft, G - Gear, R - Round, F - Frame, C - Custom

Gearmotor Torque Table:

The maximum permissible torque is 20 N.m

Unit : N.m

No Load RPM	500	416	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3
Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Output Torque	3.1	3.7	5.1	6.1	7.6	9.2	11.5	13.8	16.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

The Gear boxes are sold seperately.

A coloured background indicates gear shaft rotation in same direction as motor shaft.

A white background indicates gear shaft rotation in opposite direction to the motor shaft.

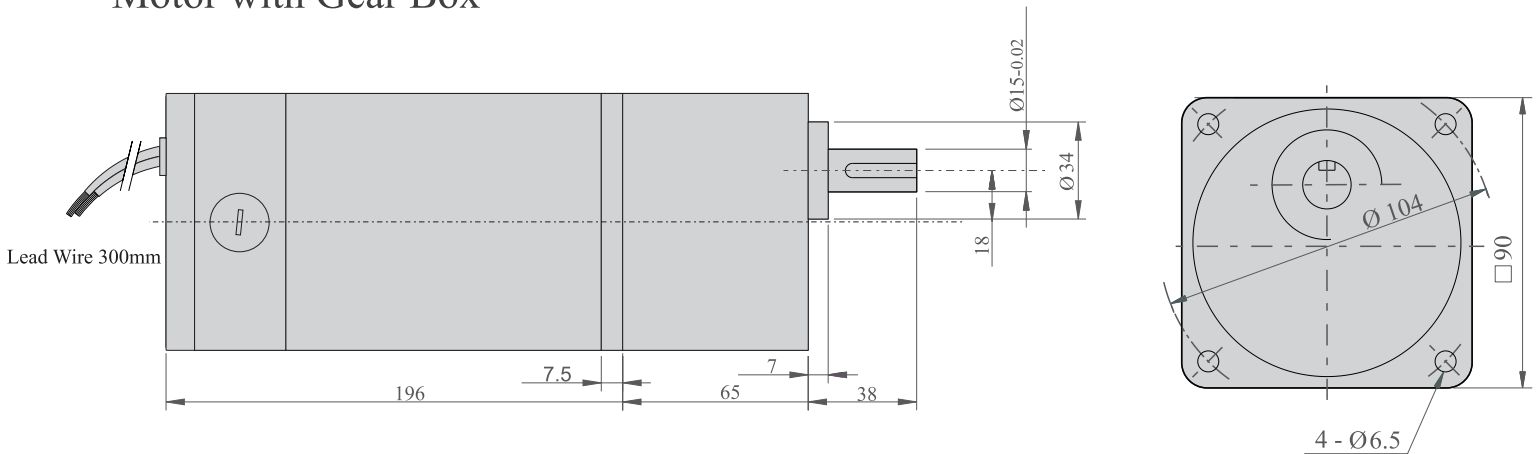
The speed of geared motor is calculated by dividing motor's no load speed by the gear ratio.

The actual speed is less than the displayed value, depending upon the load.

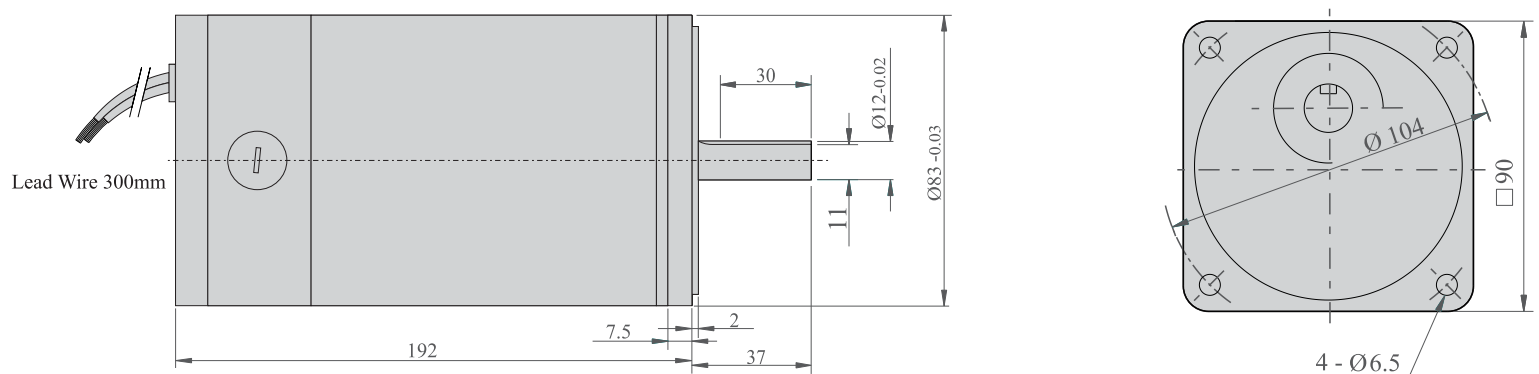
Characteristics, specifications and dimensions are subject to change without notice.

Dimensions

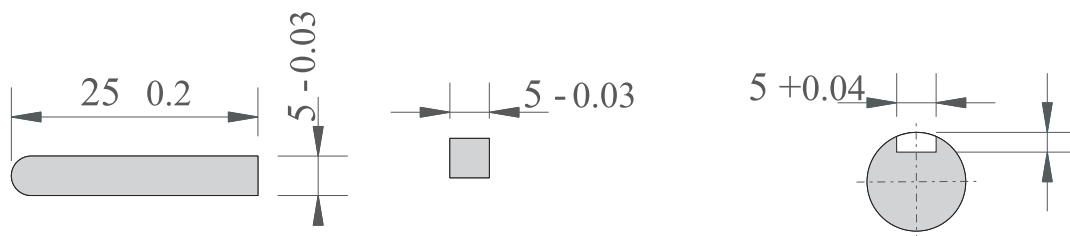
Motor with Gear Box



Motor Round Shaft



Key & Keyway



Max. Weight:
Motor - 3.1 kg
Gear Box - 1.75 kg