

AC Induction Motor

12 watt

Frame Size : 65 x 65 mm Continuous

rating, TE Aluminum body

Rotates in clockwise or counter clockwise direction. Direction of rotation can be reversed

Overruns for a few rotation after supply is cut off

Speeds are 2880 / 1440 RPM and further low speeds with gearbox

Capacitor Cap or open lead wires for connection

Model	Output Power W	Frequency Hz	Supply Voltage V	Current A	Starting Torque Kg.cm	Rated Torque Kg.cm	Rated Speed RPM	Capacitor µF
6512-4AWGI	12	60	Single phase 110 V	0.30	0.6	0.09	2700	2.0
65 12 -4AXGI	12	50	Single phase 230 V	0.15	0.3	0.5	1200	1.35
65 12-4AYGI	12	50	Single phase 230 V	0.2	0.3	0.4	2500	0.68
65 12-4AZGI	12	50	Three phase 415 V	0.12	0.3	0.4	1200	

Gearmotor Torque Table :

The maximum permissible torque is 40 kg.cm

50 HZ : Two Pole Motor

Unit: kg.cm

RPM	1000	832	600	500	400	333	240	200	166	120	100	82	60	50	40	32	30	25	20	16
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	1.0	1.2	1.8	2.1	2.7	3.2	4.5	5.4	6.5	8	9.6	11	13	15	19	23	26	31	39	40

50 HZ : Four Pole Motor

Unit: kg.cm

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	1.2	1.4	2	2.4	3	3.6	5	6	7.1	9	11	13	16	19	24	29	32	36	38	40

The Gearheads are sold separately.

A Coloured background indicates gear shaft rotation in the same direction; a White background indicates rotation in the opposite direction as the motor shaft.

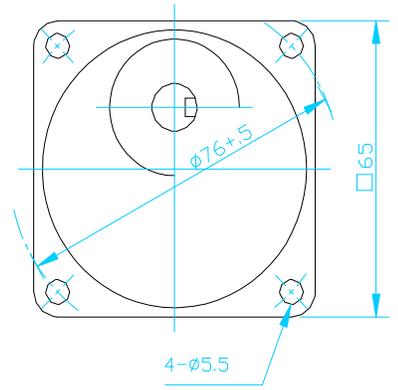
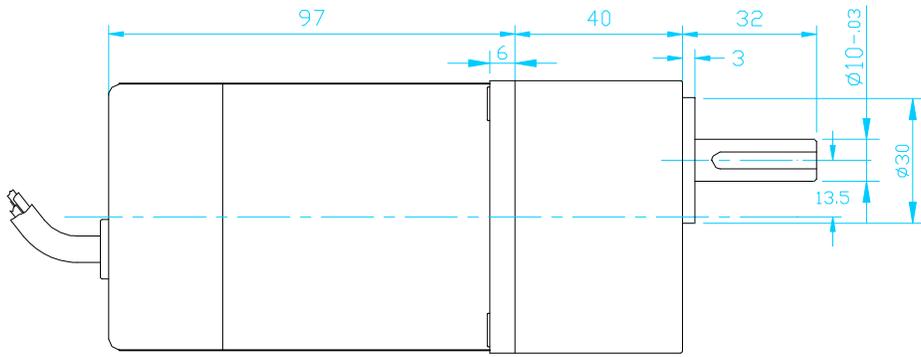
The Speed of Geared Motor is calculated by dividing the motor's synchronous speed (50Hz: 1500RPM, 60 Hz: 1800RPM) by the gear ratio.

The actual Speed is 2~20 % less than the displayed value, depending on the size of the load.

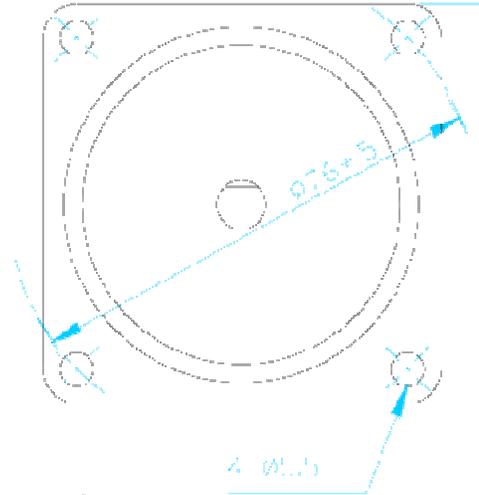
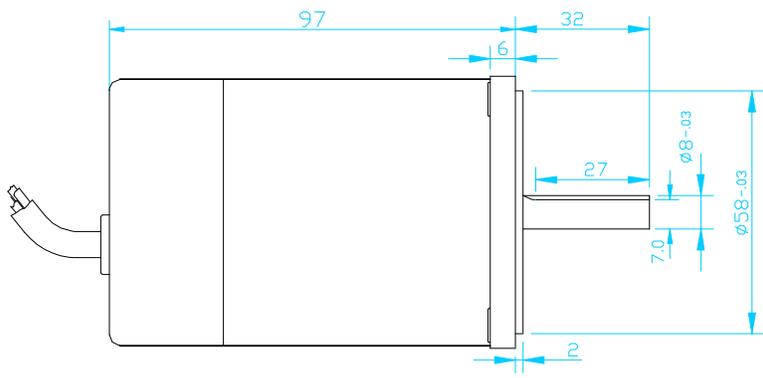
Characteristics, specifications and dimensions are subject to change without notice.

Dimensions

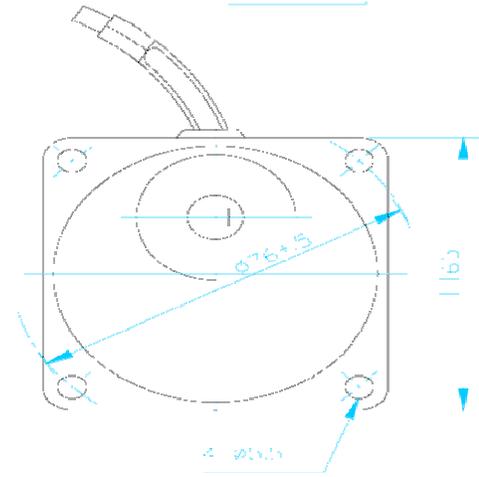
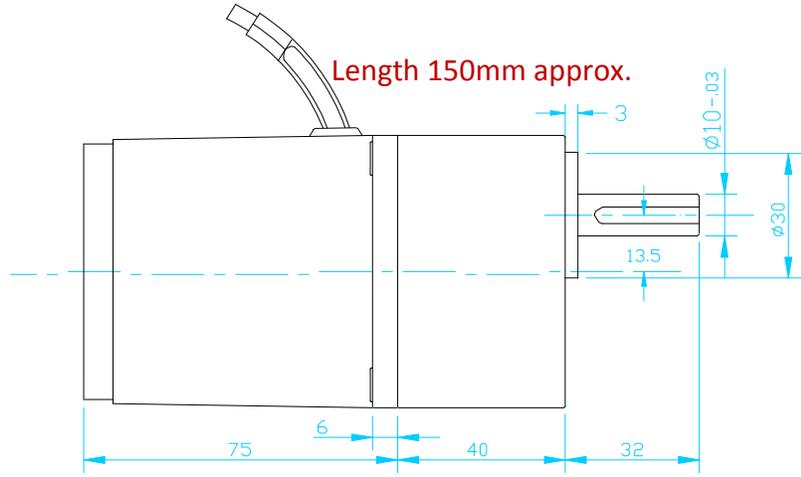
Motor, Gearbox with



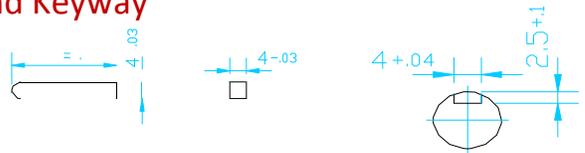
Motor Round Shaft



Motor, Gearbox with Leadwires



Key and Keyway



Weight: Motor : 1 kg
Gearbox: 0.5 kg