

# 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.

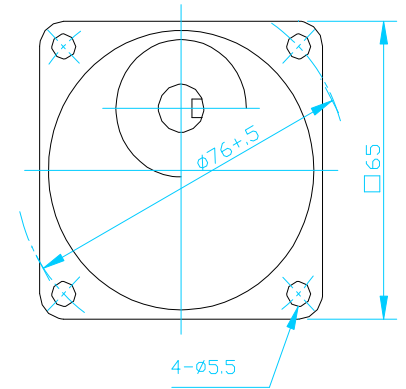
A Coloured background indicates gear shaft rotation in the same direction; a White background indicates rotation in the opposite direction as the motor shaft.

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

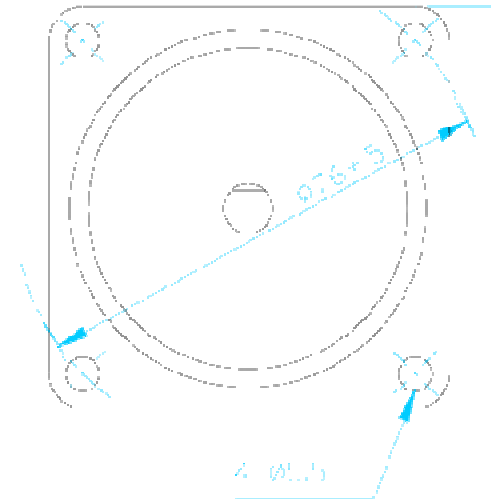
The actual Speed is 2~20 % less than the displayed value, depending on the size of the load.

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

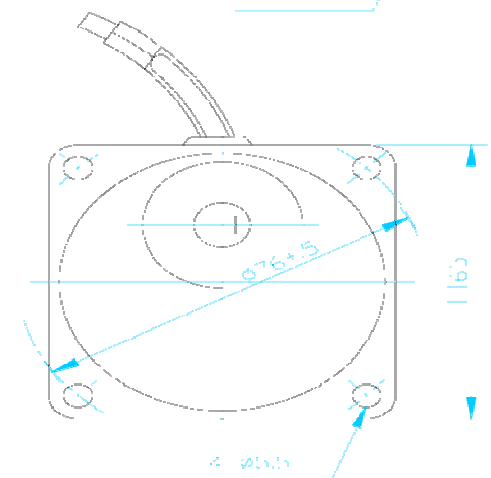
## Motor, Gearbox with



## Motor Round Shaft



## Motor, Gearbox with Leadwires



## Key and Keyway

