Induction Motor

40 Watt

Frame Size: 🔲 90 mm

Continuos Rating, TE Aluminium Die Cast Body. Rotates in clock wise or counter clock wise direction. Over runs after few rotations after supply is cutt off. Speeds are 2880 / 1440 and further low speeds with the gearbox. Terminal box or open lead wires for connections.

Specifications :

Output Power W	Model	Frequency Hz	Supply Voltage Volt	Current A	Starting Torque Kg.cm	Rated Torque Kg.cm	Rated Speed RPM	Capacitor µF
40	90 4G IW 40	60	110 V Single Phase	0.71	2.2	2.7	1440	4
40	90 4G IX 40	50	230 V Single Phase	0.31	2.7	3.1	1250	1.85
40	90 4G IY 40	60	230 V Three Phase	0.46	2.6	2.6	1450	
40	90 4G IY 40	50	230 V Three Phase	0.54	2.9	2.9	1250	
40	90 4G IZ 40	50	415 V Three Phase	0.31	2.9	2.9	1250	

Gearmotor Torque Table:

The maximum permissible torque is 200 kg.cm

50 Hz 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	7.2	8.6	12	15	18	22	30	35	45	54	65	80	98	118	146	178	195	200	200	200
60 Hz Unit: kg.cm															.cm					
RPM	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
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	6.2	7.6	11	13	17	19	26	33	38	48	58	68	88	103	122	150	180	200	200	200

Gear Boxes are sold separately.

A Sky blue colored background indicates gear shaft rotation in the same direction; a Brown background indicates rotation in the opposite direction as the motor shaft. The speed of the Gear Motor is calculated by dividing the motor's synchronous speed (50 Hz; 1500 RPM & 60 Hz; 1800 RPM) by the ratio.

The actual speed is $2\sim 20\%$ less than the displayed value, depending upon the load size. Characteristics, specifications and dimensions are subjected to change without prior notice.

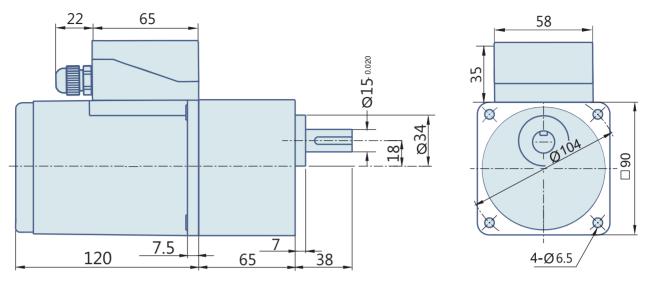


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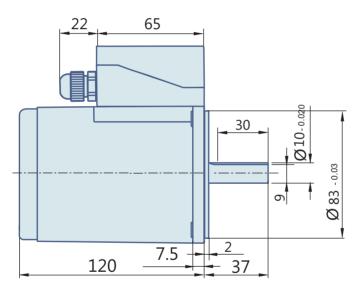


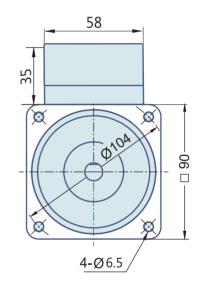
Dimensions

40 Watt : AC Geared Motor With Terminal Box

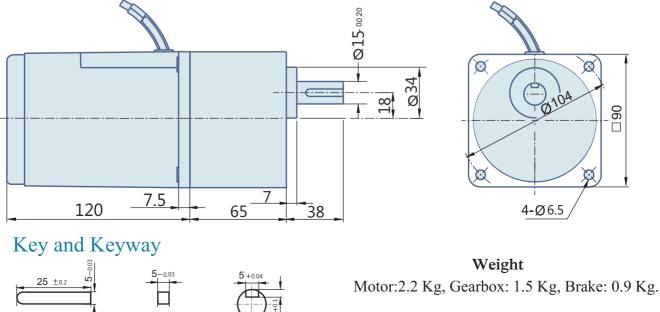


40 Watt : Round AC Induction Motor With Terminal Box





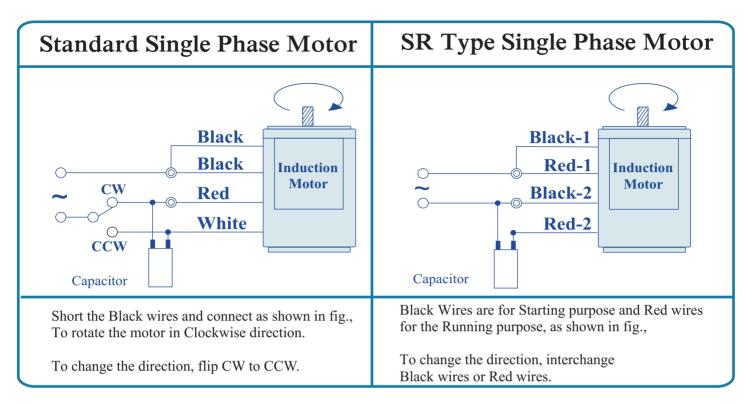




(Note- All Dimensions are in mm)

Wiring Diagram

Wiring diagram for Single Phase Motors

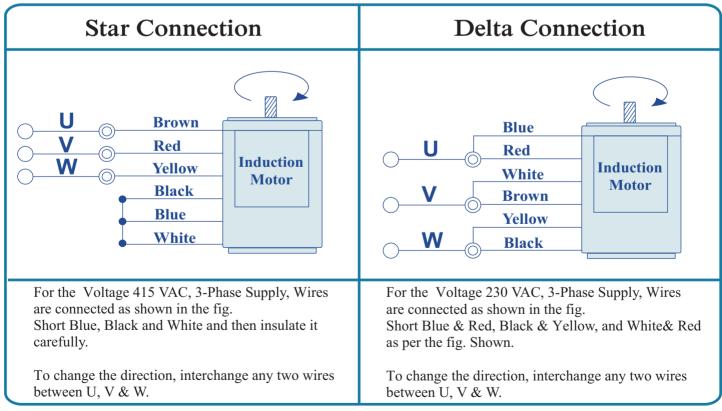


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Wiring diagram for Three Phase Motors



Change the direction of the motor only after it stops rotating, if the attempt is made during rotation, the motor may ignore the reversing command or change the direction after some time.



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