

# 90W 1Ph& 3 Ph Standard Induction & Quick Reversible



Frame Size: 90x90 mm

Specification: Continuous Rating Four Poles class E To A.

The JDA range of compact AC geared motors are ideal for a wide variety of applications due to their long life, aesthetic design, low noise and high efficiency. All of the motors use standard AC induction technology, and can be combined with a range of in-line helical gearboxes, to give a compact and very cost-effective geared motor solution.

In addition to the Standard Induction motors, JDA also offers a range of Quick Reversible models. These are ideally suited for Stop/Start or Forward/Reverse applications, due to their integrated friction braking system, which reduces over-run and stopping time (S2 duty).

All 90W motors are supplied with a normally closed thermal switch integrated into the motor windings, for thermal protection purposes.

Model	Output Power	Frequency	Supply Voltage	Current	Starting Torque	Rated Torque	Rated Speed	Capacitor
	W	Hz	V	A	N.m	N.m	RPM	µF
J 90IG90F - U	90	60	Single Phase 110	2.00	0.57	0.26	1500	20
J 90IG90F - C	90	50	Single Phase 230	0.87	0.55	0.68	1300	3.5
J 90IG90F - H	90	50	Three Phase 230	0.86	2.45	0.68	1350	n/a
J 90IG90F - Z	90	50	Three Phase 415	0.43	2.35	0.65	1350	n/a
J 90RIG90F- C	90	50	Single Phase 230	1.30	0.60	0.71	1250	7

## RATED TORQUE OF GEARHEAD

50 Hz											UNIT: Above: N.m /below: Kgfc									
RPM	500	416	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3
JDA 9IG90□	18	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Output Torque	1.73	2.07	2.88	3.45	4.31	5.18	6.47	7.76	932	11.65	13.97	16.77	20	20	20	20	20	20	20	20
Output Torque	17.3	20.7	28.8	34.5	43.1	51.8	64.7	77.6	93.2	116.5	139.7	167.7	200	200	200	200	200	200	200	200

\* Gear head and decimal gear head are sold separately.

\* The code in □ of gear head model for gear ratio.

\*  Color indicates that the output shaft of the gear head motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

\* If you are to have less ratio than the ratio in the table, you can install decimal gearhead, which has one tenth of the ratio, between the gear heads and the motor. In this case, the permissible torque is 20 N.m/200 kgfcm.

\* RPM is based on motor's synchronous rpm(50 Hz: 1500rpm,60Hz: 1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.