

AC induction motor performance data

Record #86084 - Typical performance - not guaranteed values

Winding	06WGA0015
Type	0640M
Enclosure	TENV

Nameplate data

Rated Output			5
Volts			200/400
Full Load Amps			15.6/7.8
R.P.M.			1755
Hz	60	Phase	3
KVA Code			J
S.F.			1.15
NEMA Nom. Eff.	89.5	Power Factor	76
Duty			15 MIN
S.F. Amps			

400 V, 60 Hz:

High Voltage Connection

Full Load Torque	15.01 LB-FT
Start Configuration	direct on line
Breakdown Torque	51.89 LB-FT
Pull-up Torque	26.04 LB-FT
Locked-rotor Torque	30.75 LB-FT
Starting Current	53.22 A
No-load Current	3.99
Line-line Res. @ 25°C	1.98 Ω
Temp. Rise @ Rated Load	56°C
Temp. Rise @ S.F. Load	69°C
Locked-rotor Power Factor	41.1
Rotor inertia	0.372 lb-ft ²

Load Characteristics 400 V, 60 Hz, 5 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	38	58	69	76	80	83	78
Efficiency	0	81.6	88.8	90.2	90.4	88.7	83.9	89.4
Speed	1799	1790	1779	1769	1757	1744	1727	1749
Line amperes	3.99	4.4	5.23	6.43	7.82	9.44	11.6	8.79