

AC induction motor performance data

Record #86086 - Typical performance - not guaranteed values

Winding	06WGA0017
Type	0640M
Enclosure	TENV

Nameplate data

Rated Output				5
Volts				230/460
Full Load Amps				13.8/6.9
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				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	14.92 LB-FT
Start Configuration	direct on line
Breakdown Torque	53.26 LB-FT
Pull-up Torque	26.84 LB-FT
Locked-rotor Torque	31.7 LB-FT
Starting Current	47.59 A
No-load Current	3.62
Line-line Res. @ 25°C	2.57 Ω
Temp. Rise @ Rated Load	56°C
Temp. Rise @ S.F. Load	69°C
Locked-rotor Power Factor	41.4
Rotor inertia	0.372 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	36	57	68	76	80	82	78
Efficiency	0	81	88.6	90.2	89.8	88.6	84.1	89.1
Speed	1799	1790	1780	1770	1758	1745	1729	1750
Line amperes	3.62	3.96	4.65	5.68	6.87	8.26	10.11	7.7

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

06WGA0017

5HP 460V 60HZ

