

AC induction motor performance data

Record #86079 - Typical performance - not guaranteed values

Winding	06WGA0018
Type	0636M
Enclosure	TENV

Nameplate data

Rated Output				3
Volts				230/460
Full Load Amps				8.4/4.2
R.P.M.				1760
Hz	60	Phase		3
KVA Code				K
S.F.				1.15
NEMA Nom. Eff.	90.2	Power Factor		75
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	8.99 LB-FT
Start Configuration	direct on line
Breakdown Torque	36.03 LB-FT
Pull-up Torque	17.84 LB-FT
Locked-rotor Torque	21.06 LB-FT
Starting Current	32.22 A
No-load Current	2.28
Line-line Res. @ 25°C	3.88 Ω
Temp. Rise @ Rated Load	33°C
Temp. Rise @ S.F. Load	41°C
Locked-rotor Power Factor	41.4
Rotor inertia	0.335 lb-ft²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	6	36	56	68	75	80	82	78
Efficiency	0	78.8	87.6	89.8	90.2	88.8	84.6	89.4
Speed	1799	1791	1782	1773	1763	1752	1738	1756
Line amperes	2.28	2.49	2.88	3.48	4.17	4.96	6.02	4.64