

AC induction motor performance data

Record #85864 - Typical performance - not guaranteed values

Winding	06WGA0013
Type	0620M
Enclosure	XPNV

Nameplate data

Rated Output	1		
Volts	230/460		
Full Load Amps	3.6/1.8		
R.P.M.	1770		
Hz	60	Phase	3
KVA Code	M		
S.F.	1.15		
NEMA Nom. Eff.	85.5	Power Factor	69
Duty	15 MIN		
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	2.98 LB-FT
Start Configuration	direct on line
Breakdown Torque	19.9 LB-FT
Pull-up Torque	7.1 LB-FT
Locked-rotor Torque	12.1 LB-FT
Starting Current	17.5 A
No-load Current	1.37
Line-line Res. @ 25°C	9.3 Ω
Temp. Rise @ Rated Load	2°C
Temp. Rise @ S.F. Load	3°C
Locked-rotor Power Factor	48.7
Rotor inertia	0.186 lb-ft²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	8	25	40	51	60	67	72	73
Efficiency	0	67.9	79.2	83.9	85.6	86.4	86.5	85.6
Speed	1798	1792	1787	1780	1775	1767	1760	1763
Line amperes	1.37	1.41	1.52	1.66	1.83	2.03	2.27	1.72

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

06WGA0013

1HP 460V 60HZ

