

AC induction motor performance data

Record #92224 - Typical performance - not guaranteed values

Winding	06WGA0021
Type	0630M
Enclosure	TENV

Nameplate data

Rated Output	1.5		
Volts	230/460		
Full Load Amps	5/2.5		
R.P.M.	1160		
Hz	60	Phase	3
KVA Code	K		
S.F.	1.15		
NEMA Nom. Eff.	87.5	Power Factor	64
Duty	15 MIN		
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	6.77 LB-FT
Start Configuration	direct on line
Breakdown Torque	24 LB-FT
Pull-up Torque	12.5 LB-FT
Locked-rotor Torque	15.8 LB-FT
Starting Current	16.2 A
No-load Current	1.63
Line-line Res. @ 25°C	7.01 Ω
Temp. Rise @ Rated Load	26°C
Temp. Rise @ S.F. Load	31°C
Locked-rotor Power Factor	30.4
Rotor inertia	0.282 lb-ft²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	6	27	44	56	64	69	73	67
Efficiency	0	76.3	84.8	86.8	87.5	87.1	85.8	87.3
Speed	1199	1194	1187	1179	1172	1163	1153	1167
Line amperes	1.63	1.7	1.9	2.18	2.51	2.92	3.38	2.76

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

06WGA0021

1.5HP 460V 60HZ

