

AC induction motor performance data

Record #85274 - Typical performance - not guaranteed values

Winding	09WGA0211
Type	0948M
Enclosure	XPNV

Nameplate data

Rated Output				20
Volts				230/460
Full Load Amps				58/29
R.P.M.				1170
Hz	60	Phase		3
KVA Code				G
S.F.				1.15
NEMA Nom. Eff.	88.5	Power Factor		73
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	89.59 LB-FT
Start Configuration	direct on line
Breakdown Torque	211 LB-FT
Pull-up Torque	95.45 LB-FT
Locked-rotor Torque	129 LB-FT
Starting Current	142 A
No-load Current	12.41
Line-line Res. @ 25°C	0.611 Ω
Temp. Rise @ Rated Load	73°C
Temp. Rise @ S.F. Load	92°C
Locked-rotor Power Factor	27.2
Rotor inertia	3.86 lb-ft²

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	6	41	60	69	73	73	71	73
Efficiency	0	83.1	88.5	89.2	88.7	86.8	84.1	87.6
Speed	1199	1193	1186	1179	1171	1159	1145	1164
Line amperes	12.41	14.05	17.67	22.93	28.94	36.6	46.41	33.5

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

09WGA0202

20HP 460V 60HZ

