

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	89.69 LB-FT
Start Configuration	direct on line
Breakdown Torque	214 LB-FT
Pull-up Torque	102 LB-FT
Locked-rotor Torque	138 LB-FT
Starting Current	150 A
No-load Current	16.6
Line-line Res. @ 25°C	0.64 Ω
Temp. Rise @ Rated Load	74°C
Temp. Rise @ S.F. Load	94°C
Locked-rotor Power Factor	28.4
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	4	31	50	61	67	68	67	73
Efficiency	0	84.2	89	89.3	88.6	86.7	83.8	87.6
Speed	1199	1192	1186	1178	1170	1158	1143	1164
Line amperes	16.6	17.9	20.97	25.84	31.58	39.16	48.97	33.5

SPEED TORQUE / SPEED CURRENT CURVES



09WGA0211

20HP 460V 60HZ

