

AC induction motor performance data

Record #85909 - Typical performance - not guaranteed values

Winding	09WGA0209
Type	0954M
Enclosure	PART

Nameplate data

Rated Output				30
Volts				230/460
Full Load Amps				68/34
R.P.M.				1760
Hz	60	Phase		3
KVA Code				G
S.F.				1.15
NEMA Nom. Eff.	92.4	Power Factor		91
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	89.4 LB-FT
Start Configuration	direct on line
Breakdown Torque	243 LB-FT
Pull-up Torque	103 LB-FT
Locked-rotor Torque	128 LB-FT
Starting Current	193 A
No-load Current	8.71
Line-line Res. @ 25°C	0.351 Ω
Temp. Rise @ Rated Load	101°C
Temp. Rise @ S.F. Load	119°C
Locked-rotor Power Factor	33.5
Rotor inertia	2.36 lb-ft²

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	10	72	89	92	91	90	89	90
Efficiency	0	85.7	90.7	92.2	92.4	92.1	90.9	92.2
Speed	1799	1792	1783	1775	1765	1755	1741	1759
Line amperes	8.71	11.42	17.37	24.9	33.41	42.48	52.34	38.9

SPEED TORQUE / SPEED CURRENT CURVES



09WGA0209

30HP 460V 60HZ

