

AC induction motor performance data

Record #85959 - Typical performance - not guaranteed values

Winding	12WGA0159
Type	1272M
Enclosure	XPNV

Nameplate data

Rated Output			50
Volts			460
Full Load Amps			126/63
R.P.M.			1180
Hz	60	Phase	3
KVA Code			G
S.F.			1.15
NEMA Nom. Eff.	93	Power Factor	80
Duty			CONT
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	224 LB-FT
Start Configuration	direct on line
Breakdown Torque	638 LB-FT
Pull-up Torque	238 LB-FT
Locked-rotor Torque	296 LB-FT
Starting Current	330 A
No-load Current	23.55
Line-line Res. @ 25°C	0.162 Ω
Temp. Rise @ Rated Load	80°C
Temp. Rise @ S.F. Load	100°C
Locked-rotor Power Factor	29.1122
Rotor inertia	13.8 lb-ft ²

Load Characteristics 460 V, 60 Hz, 50 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	4	48	69	77	81	82	81	81
Efficiency	0	91.3	93.9	93.5	93	91.9	90.4	92
Speed	1199	1195	1191	1185	1179	1173	1163	1176
Line amperes	23.55	27.66	36.84	48.7	62.63	78.12	100	72.6