

AC induction motor performance data

Record #100306 - Typical performance - not guaranteed values

Winding	A36WG4275
Type	A3668M
Enclosure	TEFC

Nameplate data

Rated Output			50
Volts			460
Full Load Amps			62
R.P.M.			1185
Hz	60	Phase	3
KVA Code			G
S.F.			1.15
NEMA Nom. Eff.	94.1	Power Factor	81
Duty			CONT
S.F. Amps			

460 V, 60 Hz:
Single Voltage Motor

Full Load Torque	223 LB-FT
Start Configuration	direct on line
Breakdown Torque	540 LB-FT
Pull-up Torque	319 LB-FT
Locked-rotor Torque	394 LB-FT
Starting Current	366 A
No-load Current	22
Line-line Res. @ 25°C	0.127 Ω
Temp. Rise @ Rated Load	64°C
Temp. Rise @ S.F. Load	78°C
Locked-rotor Power Factor	28
Rotor inertia	22 lb-ft ²

Load Characteristics 460 V, 60 Hz, 50 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	49	69	78	81	82	81	82
Efficiency	0	91	94	94	94	93	92	93.4
Speed	1199	1196	1193	1189	1185	1180	1175	1182
Line amperes	22	26.8	36.3	48.2	61.9	76.9	93.6	70.9

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50 HP 3 PH 60 HZ 1185 RPM 460 V A3668M

TORQUES(LB-FT): PO=540 PU=319 LR=394 LRA=366

