

AC induction motor performance data

Record #95960 - Typical performance - not guaranteed values

Winding	A36WG4276
Type	A3668M
Enclosure	TEFC

Nameplate data

Rated Output			50
Volts			575
Full Load Amps			48
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			

575 V, 60 Hz:

Single Voltage Motor

Full Load Torque	223 LB-FT
Start Configuration	direct on line
Breakdown Torque	531 LB-FT
Pull-up Torque	314 LB-FT
Locked-rotor Torque	387 LB-FT
Starting Current	286 A
No-load Current	16.64
Line-line Res. @ 25°C	0.168 Ω
Temp. Rise @ Rated Load	62°C
Temp. Rise @ S.F. Load	71°C
Locked-rotor Power Factor	27.8
Rotor inertia	22 lb-ft ²

Load Characteristics 575 V, 60 Hz, 50 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	51	72	80	83	84	83	84
Efficiency	0	91.9	94.5	94.9	94.3	93.4	92.5	93.8
Speed	1199	1196	1193	1189	1185	1180	1175	1182
Line amperes	16.64	20.33	27.71	37.04	47.95	59.9	73.28	55.1

REVIEW

WINDING # A36WG4276

50 HP 3 PH 60 HZ 1185 RPM 575 V A3668M

TORQUES (LB-FT): PO=531.00 PU=314.00 LR=387.00 LRA=286.00

