

AC induction motor performance data

Record #95973 - Typical performance - not guaranteed values

Winding	A36WG4262
Type	A3668M
Enclosure	TEFC

Nameplate data

Rated Output			50
Volts			230/460
Full Load Amps			124/62
R.P.M.			1185
Hz	60	Phase	3
KVA Code			G
Service Factor (S.F.)			1
NEMA Nom. Eff.	94.1	Power Factor	81
Duty			CONT
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	222.9 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	0.11998 Ω
Temp. Rise @ Rated Load	64°C
Temp. Rise @ S.F. Load	0°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	77	81	82	81	0
Efficiency	0	91.2	94	94.4	94.1	93.4	92.4	0
Speed	1199	1196.1	1192.8	1188.9	1185	1180.2	1174.8	0
Line amperes	22	26.8	36.3	48.2	61.9	76.9	93.6	0

REVIEW

WINDING # A36WG4262

50 HP 3 PH 60 HZ 1185 RPM 460 V A3668M

TORQUES (LB-FT): PO=540.00 PU=319.00 LR=394.00 LRA=366.00

