

AC induction motor performance data

Record #93159 - Typical performance - not guaranteed values

Winding	A36WG1194
Type	A3662M
Enclosure	TEFC

Nameplate data

Rated Output			40
Volts			230/460
Full Load Amps			99.6/49.8
R.P.M.			1190
Hz	60	Phase	3
KVA Code			G
S.F.			1.15
NEMA Nom. Eff.	94.1	Power Factor	80
Duty			CONT
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	176.8 LB-FT
Start Configuration	direct on line
Breakdown Torque	514 LB-FT
Pull-up Torque	266 LB-FT
Locked-rotor Torque	335 LB-FT
Starting Current	312 A
No-load Current	18.7
Line-line Res. @ 25°C	0.14922 Ω
Temp. Rise @ Rated Load	43°C
Temp. Rise @ S.F. Load	51°C
Locked-rotor Power Factor	25.4
Rotor inertia	0

Load Characteristics 460 V, 60 Hz, 40 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	46	67	77	80	82	82	81
Efficiency	0	90	93.5	94.2	94.1	93.7	93	93.9
Speed	1199	1195.3	1193	1190.2	1187.5	1184.3	1181.4	1186
Line amperes	18.7	22.4	29.7	38.9	49.3	60.9	73.7	56.3

REVIEW

WINDING # A36WG1194

40 HP 3 PH 60 HZ 1190 RPM 460 V A3662M

TORQUES (LB-FT): PO=514.00 PU=266.00 LR=335.00 LRA=312.00

