

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16083241

Catalog # : 25036OT3G445TS-RFW40

Frame : 444/5TS
Output : 250 HP (185 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 278 A
L. R. Amperes : 1863 A
LRC : 6.7x(Code G)
No load current : 72.0 A
Rated speed : 3570 rpm
Slip : 0.83 %
Rated torque : 368 ft.lb
Locked rotor torque : 150 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 27.1 sq.ft.lb
Design : B

Locked rotor time : 28s (cold) 16s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 85.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 1488 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 93.6 94.5 95.0
Power Factor 0.00 0.79 0.85 0.88

Foundation loads

Max. traction : 1510 lb
Max. compression : 2999 lb

	Drive end	Non drive end
Bearing type :	6314 C4	6212 Z C4
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	1200 h	1200 h
Lubricant amount :	10 g	10 g
Lubricant type :	Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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Customer :

Space heater information

Voltage: 110-127/200-240 V

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