

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16082867

Catalog # : 07536OT3E364TS-RFW40

Frame : 364/5TS
 Output : 75 HP (55 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 188-170/84.8 A
 L. R. Amperes : 1241-1122/560 A
 LRC : 6.6x(Code G)
 No load current : 37.1-43.0/21.5 A
 Rated speed : 3555 rpm
 Slip : 1.25 %
 Rated torque : 111 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 6.40 sq.ft.lb
 Design : B

Locked rotor time : 34s (cold) 19s (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 : 84.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 736 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 91.7 93.0 93.6
 Power Factor 0.00 0.77 0.84 0.87

Foundation loads

Max. traction : 581 lb
 Max. compression : 1317 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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