

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16213618

Catalog # : 12536OT3G404TSC-RFW4

Frame : 404/5TSC
Output : 125 HP
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 136 A
L. R. Amperes : 925 A
LRC : 6.8x(Code G)
No load current : 36.0 A
Rated speed : 3557 rpm
Slip : 1.19 %
Rated torque : 185 ft.lb
Locked rotor torque : 170 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 8.23 sq.ft.lb
Design : B

Locked rotor time : 21s (cold) 12s (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 : 886 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 93.0 94.1 94.1
Power Factor 0.00 0.79 0.86 0.88

Foundation loads

Max. traction : 995 lb
Max. compression : 1882 lb

	Drive end	Non drive end
Bearing type :	6314 C4	6212 Z C4
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	14418 h	20000 h
Lubricant amount :	27 g	13 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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