DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 10018OT3H404T-W40G

Product line : W40 NEMA Premium Efficiency Product code : 14272920

Three-Phase

Catalog #: 10018OT3H404T-W40G

Frame : 404/5T Locked rotor time : 21s (cold) 12s (hot)

Output : 100 HP (75 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude Rated current : 92.0 A Protection degree : IP23

L. R. Amperes : 626 A Cooling method : IC01 - ODP

LRC : 6.8x(Code G) Mounting : F-1

No load current : 31.8 A Rotation¹ : Both (CW and CCW)
Rated speed : 1780 rpm Noise level² : 69.0 dB(A)
Slip : 1.11 % Starting method : Direct On Line

Rated torque : 291 ft.lb Approx. weight³ : 992 lb

Locked rotor torque : 250 %

Breakdown torque : 250 %

Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 21.9 sq.ft.lb

 Design
 : B

 Output
 25%
 50%
 75%
 100%
 Foundation loads

Efficiency (%) 94.9 95.0 95.4 95.4 Max. traction : 1716 lb Power Factor 0.49 0.75 0.83 0.86 Max. compression : 2708 lb

Drive endNon drive endBearing type: 6316 C36212 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 h

Lubrication interval : 20000 h 20000 h Lubricant amount : 34 g 13 g

Lubricant type : Mobil Polyrex EM

Notes

downloaded from http://dealerselectric.com

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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LOAD PERFORMANCE CURVE

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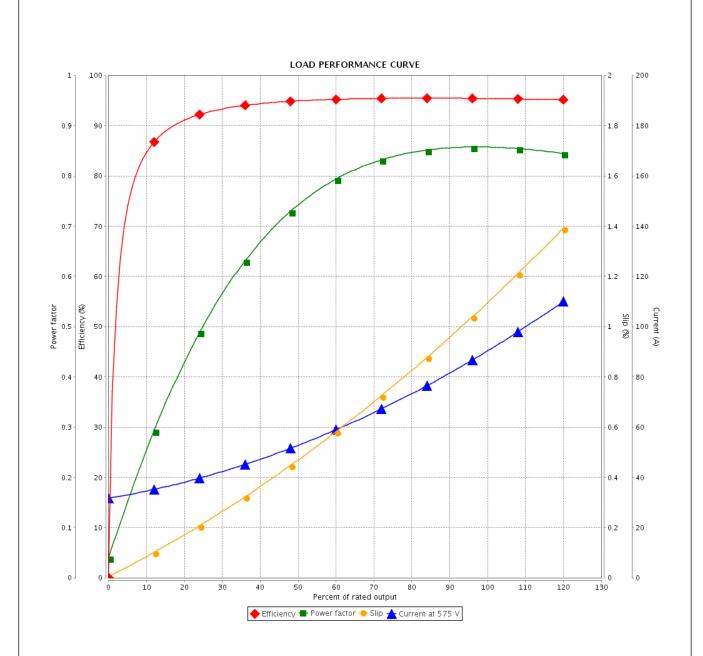
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Performance	: 575 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 92.0 A : 6.8 : 291 ft.lb : 200 % : 250 % : 1780 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 21.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
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