DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 15018OT3H444T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14272541

Three-Phase

Catalog # : 15018OT3H444T-W40

Frame : 444/5T Locked rotor time : 39s (cold) 22s (hot)

Output : 150 HP (110 kW)

Poles : 4

Duty cycle : Cont.(S1)

Frequency : 60 Hz

Rated voltage : 575 V

Altitude : 1000 m.a.s.l.

Rated current : 136 A Protection degree : IP23
L. R. Amperes : 884 A Cooling method : IC01 - ODP
LRC : 6.5x(Code G) Mounting : F-1

No load current : 46.4 A Rotation¹ : Both (CW and CCW)

Rated speed : 1784 rpm Noise level² : 78.0 dB(A)
Slip : 0.89 % Starting method : Direct On Line

Rated torque : 436 ft.lb Approx. weight³ : 1379 lb
Locked rotor torque : 200 %
Breakdown torque : 240 %

Insulation class : F
Service factor : 1.25

Output 25% 50% 75% 100% Foundation loads

Efficiency (%) 95.3 95.4 95.8 95.8 Max. traction : 2135 lb Power Factor 0.49 0.74 0.82 0.85 Max. compression : 3514 lb

Drive end
Bearing typeNon drive end
6319 C3Sealing: 6319 C36314 C3Without Bearing SealWithout Bearing Seal

Lubrication interval : 20000 h 20000 h Lubricant amount : 45 g 27 g

Lubricant type : Mobil Polyrex EM

: 42.1 sq.ft.lb

: B

Notes

Moment of inertia (J)

Design

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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Revision

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Checked by

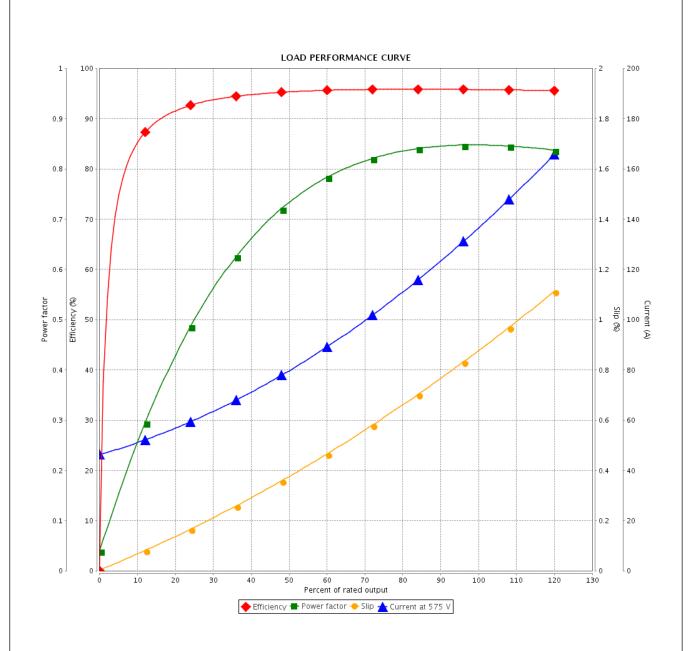
Date

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Performance	: 575 V 60 Hz 4P	<u> </u>			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 136 A : 6.5 : 436 ft.lb : 200 % : 240 % : 1784 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 42.1 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

