## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 10018OT3H404TSC-W40

Product line : W40 NEMA Premium Efficiency Product code : 14284840

Three-Phase

Catalog # : 10018OT3H404TSC-W40

: 960 lb

Frame : 404/5TSC 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 ARotation¹: Both (CW and CCW)Rated speed: 1780 rpmNoise level²: 69.0 dB(A)Slip: 1.11 %Starting method: Direct On Line

Approx. weight<sup>3</sup>

Rated torque : 291 ft.lb

Locked rotor torque : 200 %

Breakdown torque : 250 %

Insulation class : F

Service factor : 1.25

Moment of inertia (J) : 21.9 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 94.9 95.0 95.4 95.4 Max. traction : 1731 lb Power Factor 0.49 0.75 0.83 0.86 Max. compression : 2692 lb

Drive end<br/>Bearing typeNon drive end<br/>6314 C3Non drive end<br/>6212 Z C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : 20000 h Lubricant amount : 27 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	15/04/2019			1/2	

## LOAD PERFORMANCE CURVE

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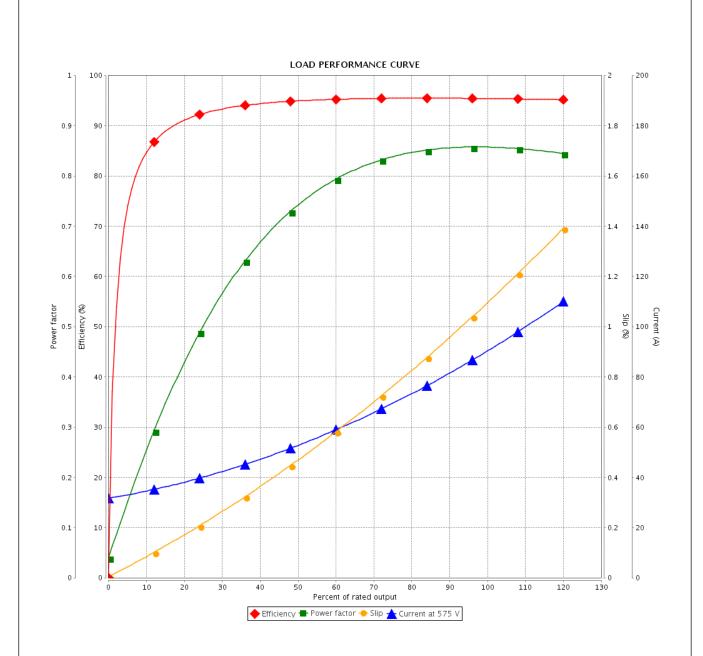
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2/2



Performance	: 575 V 60 Hz	4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 21.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
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15/04/2019

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