DATA SHEET

Three Phase Induction Motor - Squirrel Cage



: Dealers Industrial Equipment 800-469-3110

Customer reference : 12518OT3G405T-W40

Product line : W40 NEMA Premium Efficiency Product code: 14272880

Three-Phase

Catalog #: 12518OT3G405T-W40

: Cont.(S1)

Frame : 404/5T Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 80 K

Duty cycle

Output : 125 HP Poles Frequency : 60 Hz Rated voltage : 460 V Rated current : 138 A

: -20°C to +40°C Ambient temperature : 1000 m.a.s.l. Altitude Protection degree : IP23 Cooling method : IC01 - ODP

L. R. Amperes : 952 A LRC : 6.9x(Code G) No load current : 47.0 A Rated speed : 1780 rpm Slip : 1.11 %

Mounting : F-1 Rotation¹ : Both (CW and CCW) Noise level² : 69.0 dB(A) Starting method : Direct On Line

Rated torque : 364 ft.lb : 270 % Locked rotor torque Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 25.5 sq.ft.lb

25%

Approx. weight³ : 1027 lb

Design

: B

50% 75% 100% Foundation loads

Efficiency (%) 94.9 95.0 95.4 95.4 Max. traction : 2892 lb Power Factor 0.50 0.75 0.83 0.86 Max. compression : 3918 lb

Non drive end Drive end Bearing type 6316 C3 6212 Z C3 Without Bearing Seal Without Bearing Seal Sealing

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

Lubricant type Mobil Polyrex EM

Notes

Output

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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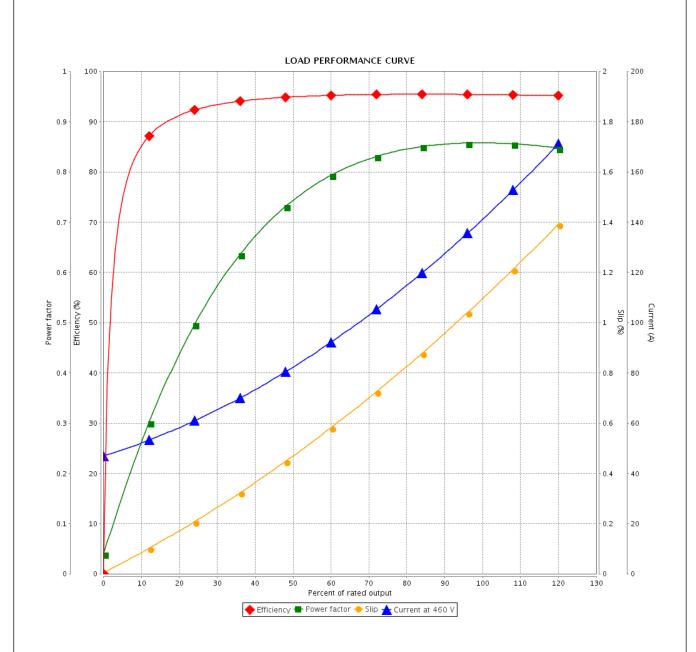
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Performance	: 460 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 138 A : 6.9 : 364 ft.lb : 270 % : 260 % : 1780 rpm	Moment of in Duty cycle Insulation of Service fact Temperature Design	lass	: 25.5 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
Rev.	Changes Summary		Performed	Checked	Date			
Performed by								
Checked by				Page	Revision			

2/2

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