DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 12518OT3GRB405T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14272883

Three-Phase

Catalog # : 12518OT3GRB405T-W40

: Cont.(S1) : -20°C to +40°C

: F-1

Frame : 404/5T Locked rotor time : 18s (cold) 10s (hot)
Output : 125 HP Temperature rise : 80 K

Duty cycle

Mounting

Ambient temperature

Output : 125 HP
Poles : 4
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 138 A

Altitude : 1000 m.a.s.l.
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

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

Slip : 1.11 %
Rated torque : 364 ft.lb
Locked rotor torque : 270 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25

Approx. weight³ : 1049 lb

Moment of inertia (J) : 25.5 sq.ft.lb

Design : B

 Output
 25%
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 94.9
 95.0
 95.4
 95.4
 Max. traction
 : 2881 lb

Power Factor 0.50 0.75 0.83 0.86 Max. compression : 3929 lb

Lubricant amount : 34 g 27 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

Three Phase Induction Motor - Squirrel Cage



Revision

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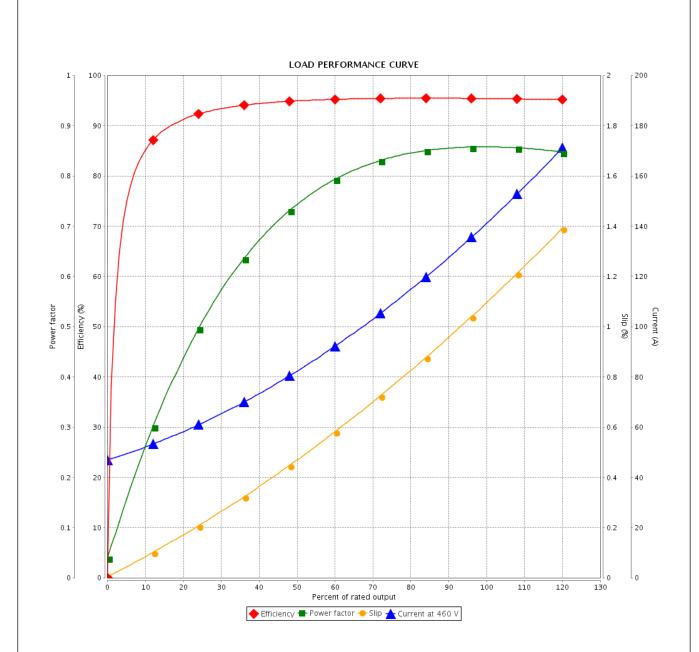
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Performance	:	: 460 V 60 Hz 4F	•					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	jue ie	: 138 A : 6.9 : 364 ft.lb : 270 % : 260 % : 1780 rpm	Duty cycle 4 ft.lb Insulation class 0 % Service factor 0 % Temperature rise		class	: 25.5 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Rev.	Changes Summary				Performed	Checked	Date	
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Date

15/04/2019

