DATA SHEET

Three Phase Induction Motor - Squirrel Cage



: Dealers Industrial Equipment 800-469-3110

: 12518OT3G405TSCF2-W4 Customer reference

Product line : W40 NEMA Premium Efficiency Product code: 14284976

Three-Phase

12518OT3G405TSCF2-Catalog #:

Frame : 404/5TSC

Output : 125 HP Poles : 4 : 60 Hz Frequency Rated voltage : 460 V Rated current : 138 A L. R. Amperes : 952 A

LRC : 6.9x(Code G) No load current : 47.0 A

Rated speed : 1780 rpm Slip : 1.11 % 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 Design : B

25% 50% 75% 100% Efficiency (%) 94.9 95.0 95.4 95.4

Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 80 K

: Cont.(S1) Duty cycle : -20°C to +40°C Ambient temperature Altitude : 1000 m.a.s.l.

Protection degree : IP23 : IC01 - ODP Cooling method Mounting : F-2

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

Approx. weight3 : 1072 lb

Output Foundation loads

Max. traction : 2869 lb Power Factor 0.50 0.75 0.83 0.86 : 3941 lb Max. compression

Drive end Non drive end Bearing type 6314 C3 6212 Z C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 20000 h

Lubricant amount 27 g 13 g

Mobil Polyrex EM Lubricant type

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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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Customer : Dealers Industrial Equipment 800-469-3110

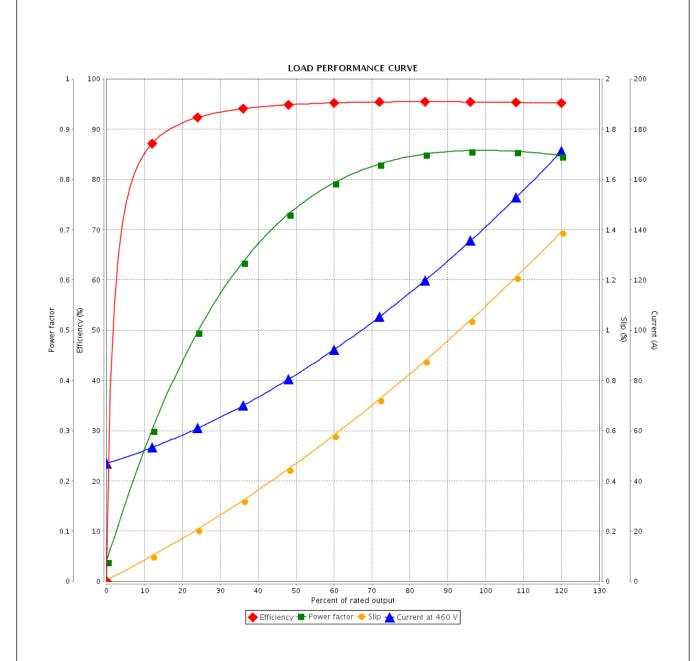
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W4



Performance	: 4	60 V 60 Hz 4P					
Rated current	: 1	38 A Moment of inertia (J)		: 25.5 sq.ft.lb			
LRC		.9	Duty cycle		: Cont.(S1)		
Rated torque	: 3	64 ft.lb	Insulation class		: F ` ´		
Locked rotor torq	ue : 2	70 %	Service fa	Service factor		: 1.25	
Breakdown torqu	e : 2	60 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 1	80 rpm Design		: B			
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