DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 12512OT3G445T-W40G

Product line : W40 NEMA Premium Efficiency Product code : 14272924

Three-Phase

Catalog # : 12512OT3G445T-W40G

: 1389 lb

Frame : 444/5T Locked rotor time : 19s (cold) 11s (hot) Output : 125 HP Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 460 V : 1000 m.a.s.l. Altitude

Rated current : 154 A Protection degree : IP23
L. R. Amperes : 970 A Cooling method : IC01 - ODP
LRC : 6.3x(Code G) Mounting : F-1

No load current: 66.0 ARotation¹: Both (CW and CCW)Rated speed: 1189 rpmNoise level²: 69.0 dB(A)Slip: 0.92 %Starting method: Direct On Line

Approx. weight³

Rated torque : 545 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 63.2 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 94.4 94.5 95.0 95.0 Max. traction : 3543 lb Power Factor 0.37 0.59 0.71 0.77 Max. compression : 4932 lb

Lubrication interval : 20000 h

Lubricant amount : 45 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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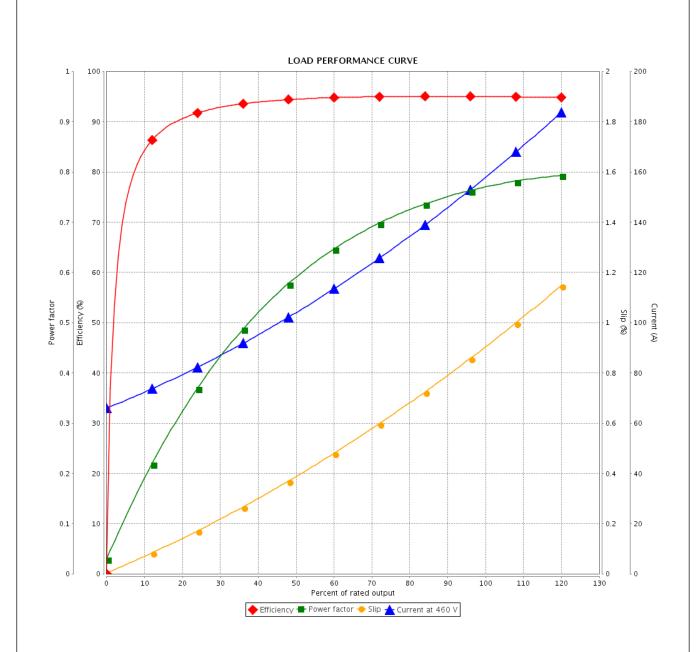
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Performance	: 46	60 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 5 ⁴ lue : 2 ¹	: 154 A : 6.3 : 545 ft.lb : 210 % : 250 % : 1189 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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