DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 12536OT3G404JP-W40

Product line : W40 JP Pump NEMA Premium Product code : 14270555

Efficiency Three-Phase

Catalog # : 12536OT3G404JP-W40

: Cont.(S1) : -20°C to +40°C

Frame : 404/5JP Locked rotor time : 21s (cold) 12s (hot)
Output : 125 HP Temperature rise : 80 K

Duty cycle

Ambient temperature

Output : 125 HP
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 136 A
L R Amperes : 925 A

Altitude : 1000 m.a.s.l.
Protection degree : IP23
Cooling method : IC01 - ODP

L. R. Amperes : 925 A

LRC : 6.8x(Code G)

No load current : 36.0 A

Rated speed : 3557 rpm

Slip : 1.19 %

Rated torque : 182 ft.lb

Locked rotor torque : 170 %

Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 84.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 886 lb

Rated torque : 182 ft.lb
Locked rotor torque : 170 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 8.23 sq.ft

: 8.23 sq.ft.lb : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 92.8 93.0 94.1 94.1 Max. traction : 1097 lb Power Factor 0.88 0.57 0.79 0.86 Max. compression : 1983 lb

Lubricant amount : 27 g 13 g

Lubricant type : Mobil Polyrex EM

Notes

Design

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

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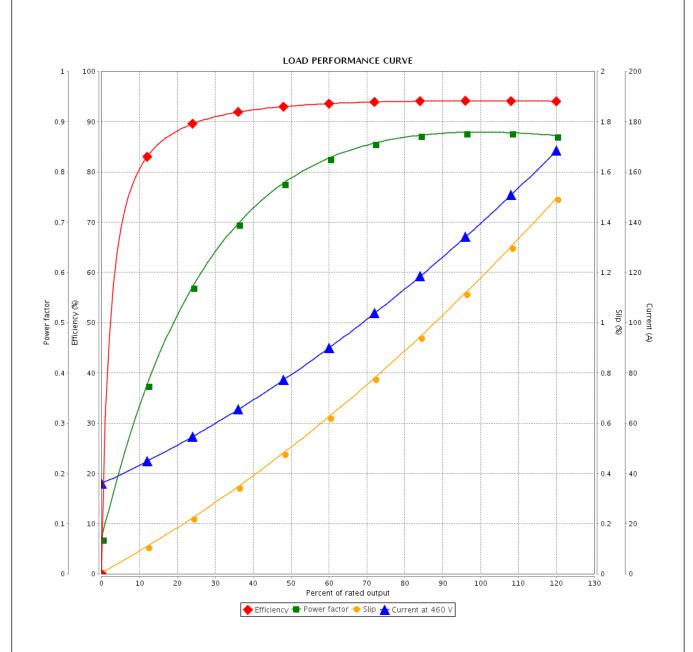
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Performance	: 460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 136 A : 6.8 : 182 ft.lb : 170 % : 260 % : 3557 rpm	Moment of inertia Duty cycle Insulation class Service factor Temperature rise Design	(J)	: 8.23 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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