DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 05018OT3H326JP-W40

Product line : W40 JP Pump NEMA Premium Product code : 14490084

Efficiency Three-Phase

Catalog #: 05018OT3H326JP-W40

Frame : 324/6JP Locked rotor time : 19s (cold) 11s (hot)

Output : 50 HP (37 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude Rated current : 46.8 A Protection degree : IP23

L. R. Amperes : 295 A Cooling method : IC01 - ODP LRC : 6.3x(Code G) Mounting : F-1

No load current : 18.6 A Rotation¹ : Both (CW and CCW)
Rated speed : 1775 rpm Noise level² : 66.0 dB(A)
Slip : 1.39 % Starting method : Direct On Line

Max. compression

Slip : 1.39 % Starting method : Direct On Line
Rated torque : 146 ft.lb Approx. weight³ : 542 lb

Locked rotor torque : 240 %

Breakdown torque : 240 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 7.08 sq.ft.lb

 Output
 25%
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 94.0
 94.1
 94.5
 94.5
 Max. traction

0.80

: B

0.70

Drive end
Bearing typeNon drive end
6312 Z C3Non drive end
6211 Z C3Sealing: Without Bearing SealWithout Bearing Seal

0.84

Lubrication interval : 20000 h 20000 h Lubricant amount : 21 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

Design

Power Factor

downloaded from http://dealerselectric.com

0.44

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	14/04/2019				1/2	

LOAD PERFORMANCE CURVE

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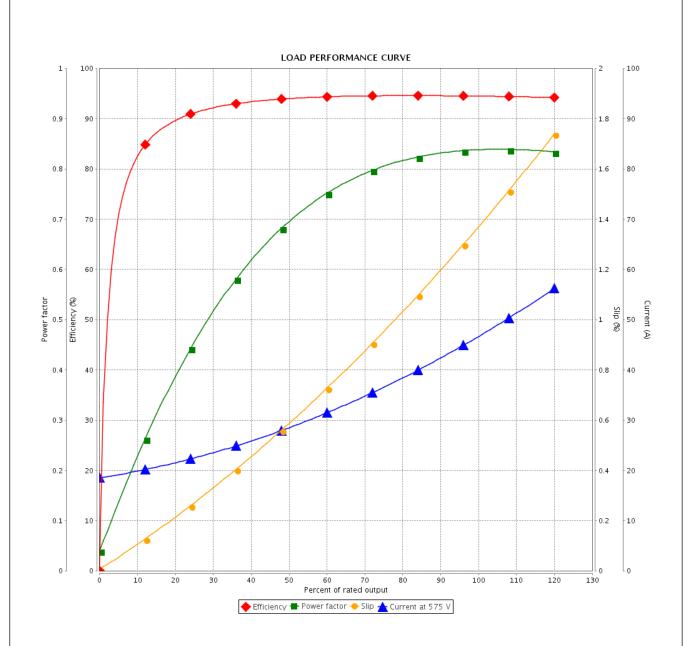
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Performance : 575 V 60 Hz 4P Rated current : 46.8 A Moment of inertia (J) : 7.08 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 : 146 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev. Checked **Changes Summary** Performed Date

Performed by							
Checked by				Page	Revision		
Date	14/04/2019			2/2			
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