DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 14836547

Product line : W40 JP Pump NEMA Premium Product code : 14836547

Efficiency Three-Phase

Catalog #: 10018OT3V404JPV-W40

Frame : 404/5JP Locked rotor time : 21s (cold) 12s (hot)

Output : 100 HP (75 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 200/400 V : 1000 m.a.s.l. Altitude Rated current : 265/132 A Protection degree : IP23

L. R. Amperes : 1799/899 A Cooling method : IC01 - ODP Cooling method : W-6

No load current : 91.3/45.7 A Rotation¹ : Both (CW and CCW)
Rated speed : 1780 rpm Noise level² : 69.0 dB(A)

Slip : 1.11 % Starting method : Direct On Line
Rated torque : 291 ft.lb Approx. weight³ : 992 lb

Rated torque : 291 ft.lb App Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F

Service factor : 1.25 Moment of inertia (J) : 21.9 sq.ft.lb Design : B

 Output
 25%
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 94.9
 95.0
 95.4
 95.4
 Max. traction
 : 1715 lb

Power Factor 0.49 0.75 0.83 0.86 Max. compression : 2708 lb

Drive end
Bearing typeNon drive end
6314 C3Non drive end
6212 Z C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : 19579 h 20000 h Lubricant amount : 27 g 13 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

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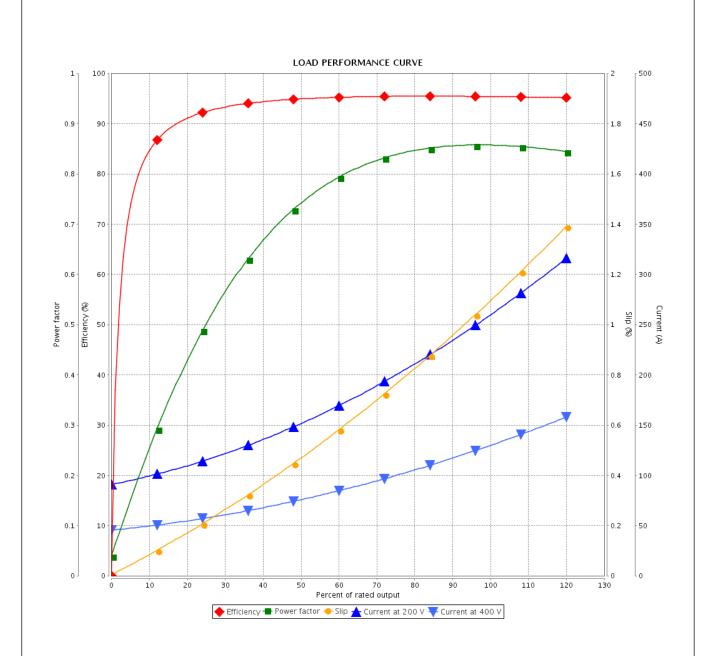
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Performance		: 200/400 V 60 Hz	: 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 265/132 A : 6.8 : 291 ft.lb : 200 % : 250 % : 1780 rpm	I 1 5	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 21.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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