DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 14836184

Product line : W40 JP Pump NEMA Premium Product code : 14836184

Efficiency Three-Phase

Catalog #: 10036OT3V365JPV-W40

Frame : 364/5JP Locked rotor time : 23s (cold) 13s (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 : 267/133 A Protection degree : IP23

L. R. Amperes : 1761/880 A Cooling method : IC01 - ODP LRC : 6.6x(Code G) Mounting : W-6

No load current: 67.8/33.9 ARotation¹: Both (CW and CCW)Rated speed: 3555 rpmNoise level²: 84.0 dB(A)Slip: 1.25 %Starting method: Direct On Line

Rated torque : 146 ft.lb Approx. weight³ : 774 lb

Locked rotor torque : 180 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 7.20 sq.ft.lb

Moment of inertia (J) : 7.20 so Design : B

Output 25% 50% 75% 100% Foundation loads

Efficiency (%) 92.2 92.4 93.6 93.6 Max. traction : 777 lb Power Factor 0.55 0.77 0.84 0.87 Max. compression : 1551 lb

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

Lubrication interval : 7209 h 12143 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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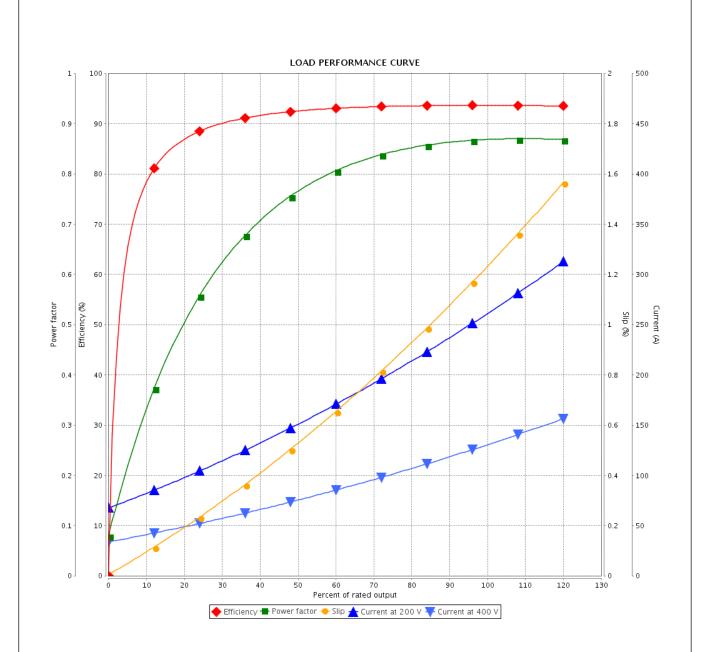
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Performance	:	200/400 V 60 Hz 2F	D				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	ilue :	: 6.6 Duty c : 146 ft.lb Insulat : 180 % Service		class	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	: Cont.(S1) : F : 1.25 : 80 K	
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Date

