DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 14836587

Product line : W40 JP Pump NEMA Premium Product code : 14836587

Efficiency Three-Phase

Catalog #: 10018OT3E404JPV-W40

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

Output : 100 HP (75 kW) Temperature rise : 80 K
Poles : 4 Duty cycle : Cont.(S1)
Frequency : 60 Hz Ambient temperature : -20°C to +40°C

Rated voltage : 208-230/460 V : 1000 m.a.s.l. Altitude Rated current : 254-230/115 A Protection degree : IP23 L. R. Amperes : 1729-1564/782 A Cooling method : IC01 - ODP LRC : 6.8x(Code G) Mounting : W-6

No load current: 68.5-79.4/39.7 ARotation¹: Both (CW and CCW)Rated speed: 1780 rpmNoise level²: 69.0 dB(A)Slip: 1.11 %Starting method: Direct On Line

Rated torque : 291 ft.lb Approx. weight³ : 992 lb Locked rotor torque : 200 %

Breakdown torque : 250 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 21.9 sq.ft.lb

Output 25% 50% 75% 100% Foundation loads

: B

Efficiency (%) 94.9 95.0 95.4 95.4 Max. traction : 1890 lb Power Factor 0.49 0.75 0.83 0.86 Max. compression : 2882 lb

Drive endNon drive endBearing type: 6314 C36212 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 19579 h20000 h

Lubrication interval : 19579 h 20000 h 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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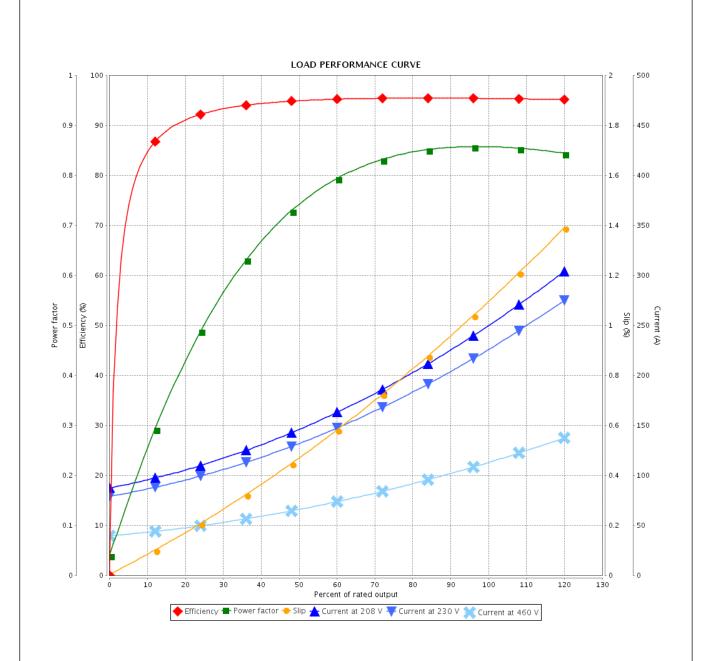
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Performance	: 2	08-230/460 V 60 Hz 4	4P			
Rated current	: 2	254-230/115 A Moment of		of inertia (J)	: 21.9 sq.ft.lb	
LRC	: 6	.8 Duty cycle		: Cont.(S1)		
Rated torque		291 ft.lb Insulation class		: F		
Locked rotor torque		00 %	Service factor		: 1.25	
Breakdown torqu	ie : 2	50 %	Temperature rise		: 80 K	
Rated speed	: 1	780 rpm	Design		: B	
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Performed by						
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