DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 02518OT3H284JM-W40

Product line : W40 JM Pump NEMA Premium Product code : 14484575

Efficiency Three-Phase

Catalog #: 02518OT3H284JM-W40

Frame : 284JM Locked rotor time : 30s (cold) 17s (hot)

Output : 25 HP (18.5 kW) Temperature rise : 80 K
Poles : 4 Duty cycle : Cont.(S1)

Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 23.6 A Protection degree : IP23

L. R. Amperes : 156 A Cooling method : IC01 - ODP LRC : 6.6x(Code G) Mounting : F-1

No load current: 8.80 ARotation¹: Both (CW and CCW)Rated speed: 1770 rpmNoise level²: 64.0 dB(A)Slip: 1.67 %Starting method: Direct On Line

Rated torque : 73.2 ft.lb Approx. weight³ : 370 lb

Locked rotor torque : 270 %

Breakdown torque : 280 %

0.84

Max. compression

Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 3.71 sq.ft.lb

 Output
 25%
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 92.8
 93.0
 93.6
 93.6
 Max. traction

0.80

: B

0.69

Bearing type : 6311 Z C3 6211 Z C3
Sealing : Without Bearing Seal Without Bearing Seal

Lubrication interval : 20000 h 20000 h Lubricant amount : 18 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

Design

Power Factor

downloaded from http://dealerselectric.com

0.45

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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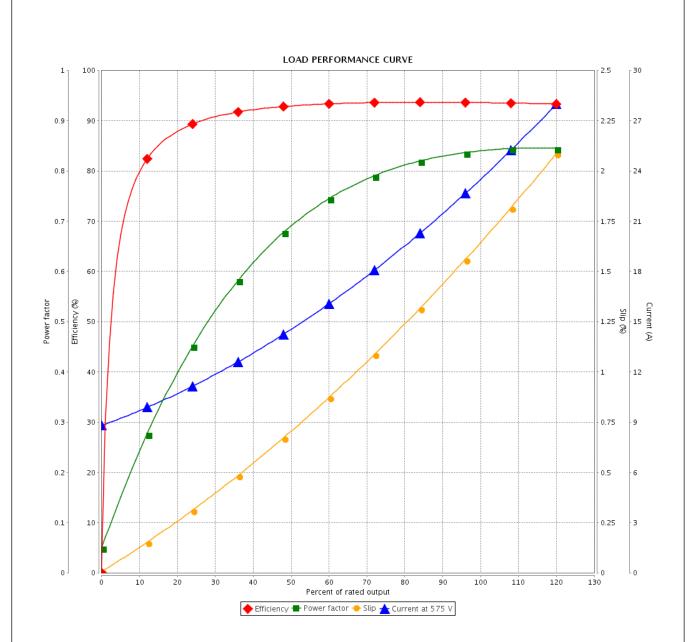
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Performance		: 575 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 23.6 A : 6.6 : 73.2 ft.lb : 270 % : 280 % : 1770 rpm	Duty of Insula Servio Tempo	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.71 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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