## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 04018OT3H324JM-W40

Product line : W40 JM Pump NEMA Premium Product code : 14484721

Efficiency Three-Phase

Catalog #: 04018OT3H324JM-W40

Frame : 324JM Locked rotor time : 23s (cold) 13s (hot)

Output : 40 HP (30 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 : IP23

Rated current : 38.1 A Protection degree : IP23
L. R. Amperes : 236 A Cooling method : IC01 - ODP
LRC : 6.2x(Code G) Mounting : F-1

No load current : 14.8 A Rotation<sup>1</sup> : Both (CW and CCW)
Rated speed : 1775 rpm Noise level<sup>2</sup> : 66.0 dB(A)

Slip : 1.39 % Starting method : Direct On Line

Rated torque : 117 ft.lb Approx. weight³ : 472 lb

Locked rotor torque : 200 %

Breakdown torque : 240 %

Breakdown torque : 240 %
Insulation class : F
Service factor : 1.25

Design : B

: 5.69 sq.ft.lb

25% 50% 75% 100% Output Foundation loads Efficiency (%) 93.5 93.6 94.1 94.1 Max. traction Power Factor 0.80 0.84 0.44 0.70 Max. compression

Drive endNon drive endBearing type: 6312 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 h

Lubricant amount : 21 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

Moment of inertia (J)

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.

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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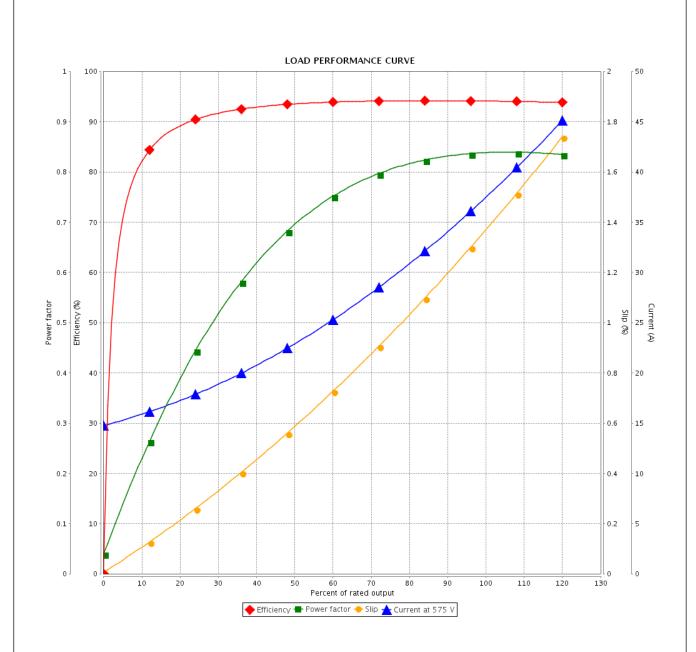
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2/2



Performance		: 575 V 60 Hz 4P								
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 11 que : 20 ue : 24	3.1 A 2 17 ft.lb 00 % 40 % 775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 5.69 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B					
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