## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 14837500

Product line : W40 JM Pump NEMA Premium Product code : 14837500

Efficiency Three-Phase

Catalog #: 04018OT3E324JMV-W40

: Cont.(S1)

Frame : 324/6JM Locked rotor time : 23s (cold) 13s (hot)
Output : 40 HP (30 kW) Temperature rise : 80 K

Output : 40 HP (30 kW) Temperature rise
Poles : 4 Duty cycle
Frequency : 60 Hz Ambient temperature

: -20°C to +40°C Rated voltage : 208-230/460 V : 1000 m.a.s.l. Altitude Rated current : 105-95.2/47.6 A Protection degree : IP23 L. R. Amperes : 653-590/295 A Cooling method : IC01 - ODP LRC : 6.2x(Code G) Mounting : W-6

No load current : 31.9-37.0/18.5 A Rotation<sup>1</sup> : Both (CW and CCW) Rated speed : 1775 rpm Noise level<sup>2</sup> : 66.0 dB(A) Starting method Slip : 1.39 % : Direct On Line Rated torque : 117 ft.lb Approx. weight<sup>3</sup> : 472 lb

Locked rotor torque : 200 %

Breakdown torque : 240 %

Insulation class : F

Service factor : 1.25

Moment of inertia (J) : 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 0.44 0.70 0.80 0.84 Max. compression

: B

Lubricant amount : 21 g 11 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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Rev.	Changes Summary			Performed	Checked	Date
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Date	16/04/2019	-			1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Revision

Page 2/2

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Customer reference : 14837500

Checked by

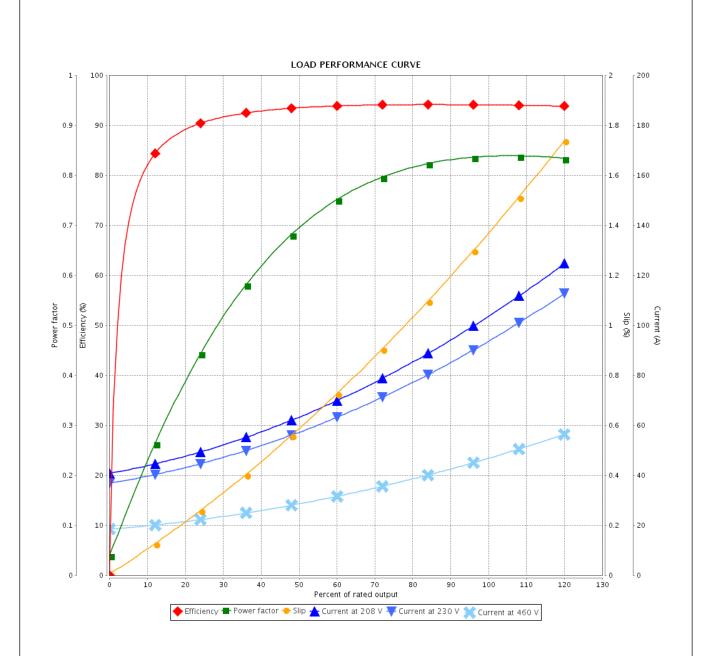
Date

16/04/2019

Product line : W40 JM Pump NEMA Premium Product code : 14837500

Efficiency Three-Phase

Catalog #: 04018OT3E324JMV-W40



Performance	: 208-230/460 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 105-95.2/47.6 A : 6.2 : 117 ft.lb : 200 % : 240 % : 1775 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	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				

