DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JM Pump NEMA Premium Product code: 14332435 Efficiency Three-Phase Catalog #: 02536OT3V256JMV-S Frame : 254/6JM Locked rotor time : 16s (cold) 9s (hot) Output : 25 HP (18.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Frequency : 60 Hz Rated voltage : 200/400 V Altitude : 1000 m.a.s.l. : IC01 - ODP Cooling method Rated current : 66.9/33.5 A L. R. Amperes : 422/211 A Mounting : W-6 : Both (CW and CCW) LRC : 6.3x(Code G) Rotation¹ No load current : 26.2/13.1 A Noise level² : 70.0 dB(A) Rated speed : 3530 rpm Starting method : Direct On Line : 174 lb Slip : 1.94 % Approx. weight³ Rated torque : 37.2 ft.lb Locked rotor torque : 180 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.9155 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 90.8 91.7 : 430 lb Efficiency (%) 91.0 91.7 Max. traction Power Factor 0.46 0.87 : 604 lb 0.73 0.83 Max. compression Non drive end Drive end 6208 Z C3 Bearing type 6309 Z C3 Sealing Without Bearing Seal Without Bearing Seal Lubrication interval 15797 h 20000 h Lubricant amount 8 g 13 g Lubricant type Mobil Polyrex EM

Notes

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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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



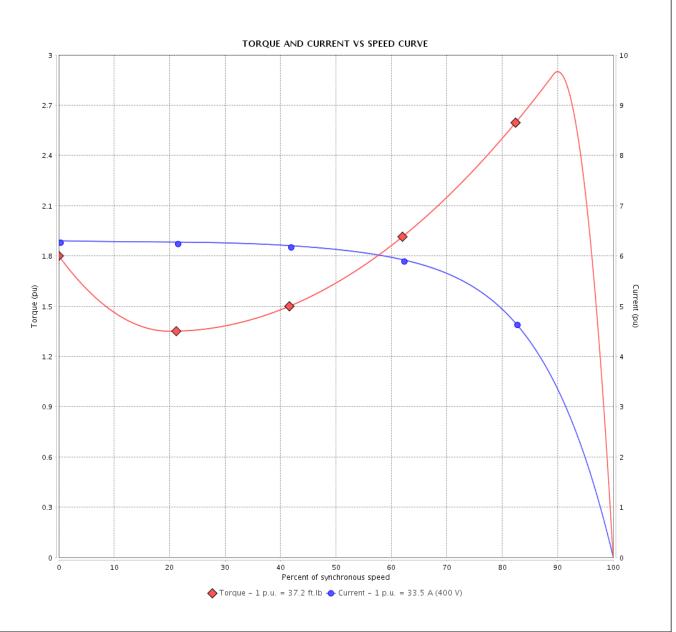
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 14332435

Catalog #: 02536OT3V256JMV-S



Performance : 200/400 V 60 Hz 2P Rated current : 66.9/33.5 A Moment of inertia (J) : 0.9155 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 37.2 ft.lb : F Locked rotor torque : 180 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 3530 rpm Design : B Locked rotor time : 16s (cold) 9s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



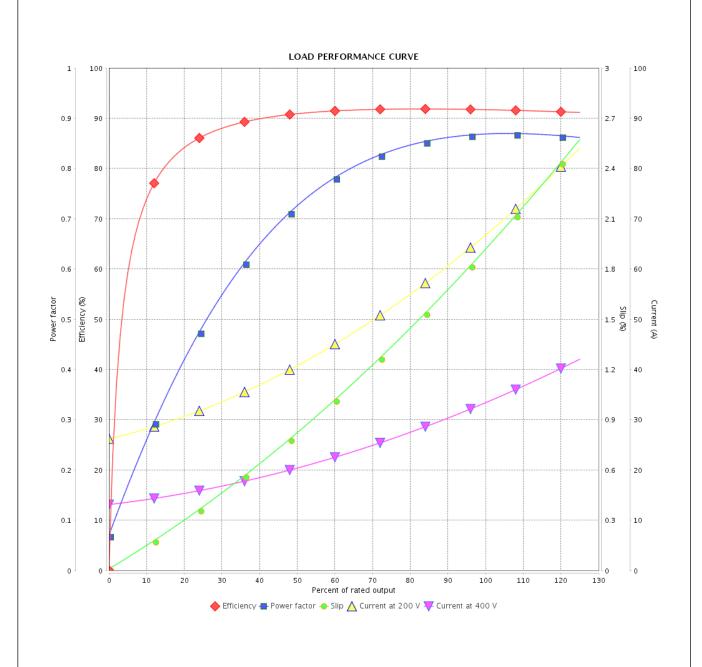
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 14332435

Catalog #: 02536OT3V256JMV-S



Performance	: 2	00/400 V 60 Hz 2P					
		6.9/33.5 A Moment of inertia (J)			: 0.9155 sq.ft.lb		
LRC : 6.				Duty cycle		.10	
Rated torque		7.2 ft.lb	' '	Insulation class		: Cont.(S1) : F	
Locked rotor torqu	ue : 1	80 %	Service factor		: 1.15		
Breakdown torque	: 2	90 %	Temperati	Temperature rise			
Rated speed	: 3	530 rpm	Design		: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



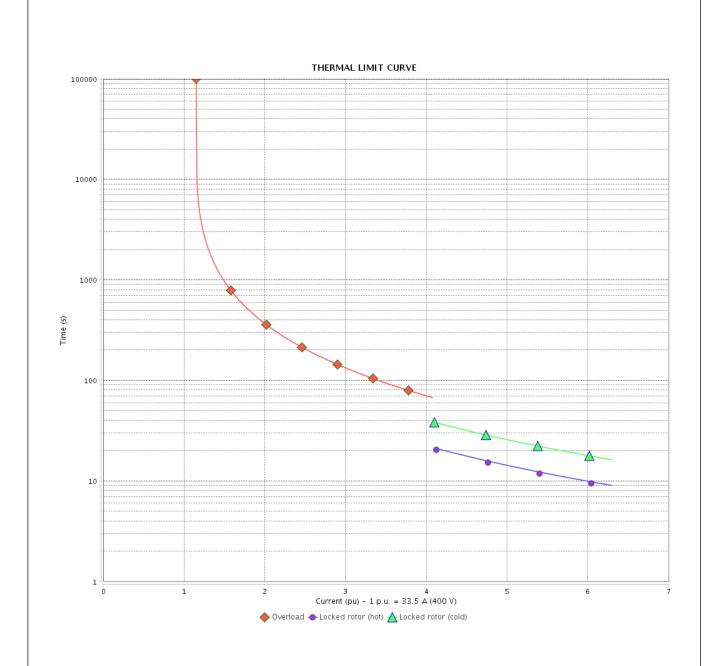
Customer	:					
Product line		JM Pump NEMA Premium	I	Product code :	14332435	
		Efficiency Three-Phase		Catalog # :	02536OT3V2	:56JMV-S
Performance		00/400 V 60 Hz 2P	Managata	finantia (I)	. 0.0455 #1	<u> </u>
Rated current LRC	: 6.	: 66.9/33.5 A Moment of Duty cycle		;	: 0.9155 sq.ft.lb : Cont.(S1)	
Rated torque		37.2 ft.lb Insulation		class	: F : 1.15	
Breakdown torque		180 % Service fa 290 % Temperatu			: 80 K	
Rated speed	: 38	530 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summary	I	Performed	Checked	Date
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



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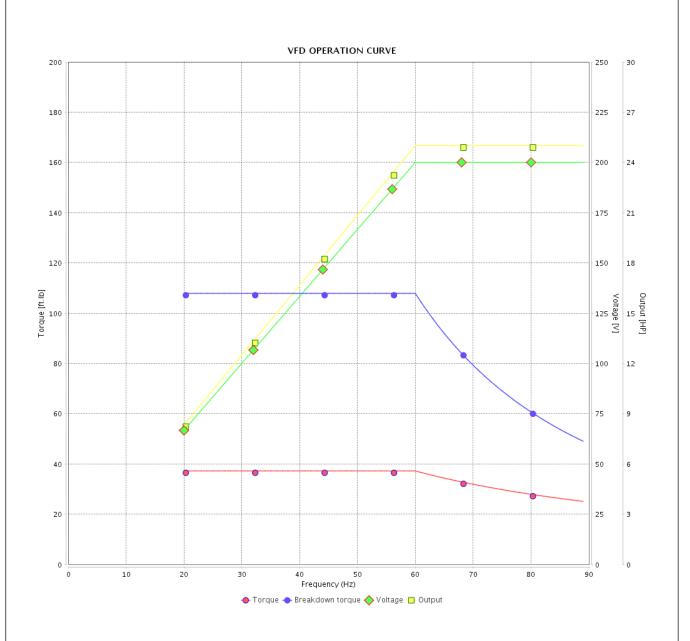
14/04/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 14332435

Catalog #: 02536OT3V256JMV-S



Performance : 200/400 V 60 Hz 2P Rated current : 66.9/33.5 A Moment of inertia (J) : 0.9155 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 : 37.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 180 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 3530 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

