DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 JP Pump NEMA Premium Product code: 14836809 Efficiency Three-Phase Catalog #: 07536OT3H364JPV-W40 Frame : 364/5JP Locked rotor time : 34s (cold) 19s (hot) Output : 75 HP (55 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 : 67.8 A Protection degree : IP23 L. R. Amperes : 448 A Cooling method : IC01 - ODP LRC : 6.6x(Code G) Mounting : W-6 No load current : 17.2 A Rotation¹ : Both (CW and CCW) Rated speed : 3555 rpm Noise level² : 84.0 dB(A) Starting method Slip : 1.25 % : Direct On Line Rated torque : 111 ft.lb Approx. weight³ : 689 lb Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 6.40 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads : 605 lb Efficiency (%) 91.0 91.7 93.0 93.6 Max. traction Power Factor 0.87 : 1293 lb 0.56 0.77 0.84 Max. compression Non drive end Drive end 6314 C3 Bearing type 6212 Z C3

Bearing type : 6314 C3 6212 Z C3
Sealing : Without Bearing Seal
Lubrication interval : 7209 h 12143 h

Lubricant amount : 27 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



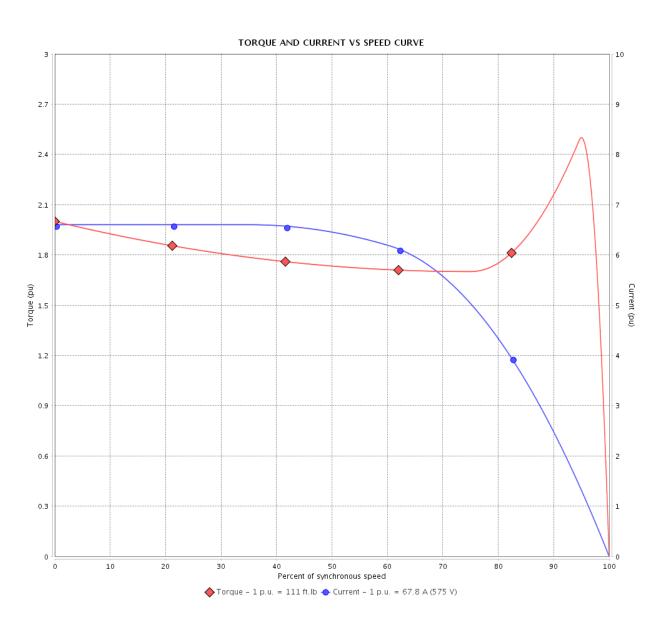
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836809

Catalog #: 07536OT3H364JPV-W40



Performance : 575 V 60 Hz 2P Rated current : 67.8 A Moment of inertia (J) : 6.40 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 111 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3555 rpm Design : B

Locked rotor time : 34s (cold) 19s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



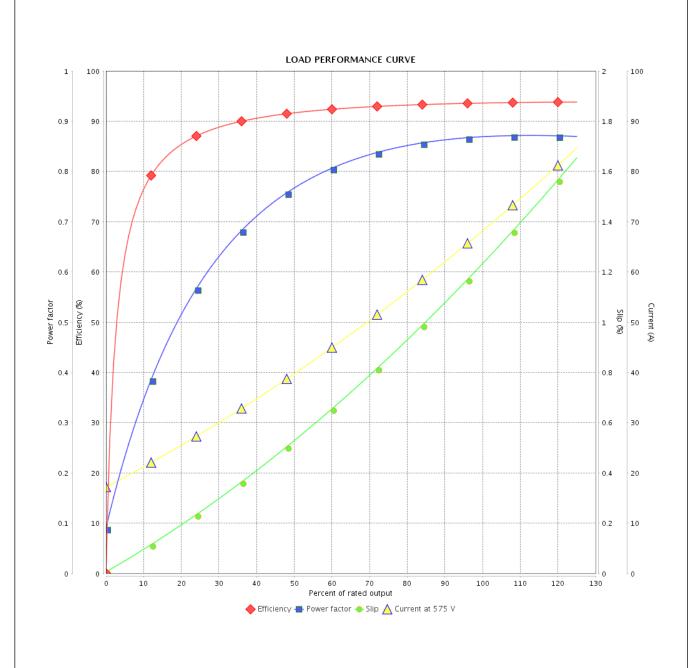
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836809

Catalog #: 07536OT3H364JPV-W40



Performance	: 5	575 V 60 Hz 2P				
Rated current	: 6	: 6.6 Duty cycl : 111 ft.lb Insulation : 200 % Service fa		Moment of inertia (J)		
LRC	: 6			;	: Cont.(S1)	
Rated torque	: 1			class	: F	
Locked rotor torqu	ie : 2			ctor	: 1.25	
Breakdown torque	: 2			Temperature rise Design		
Rated speed	: 3					
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



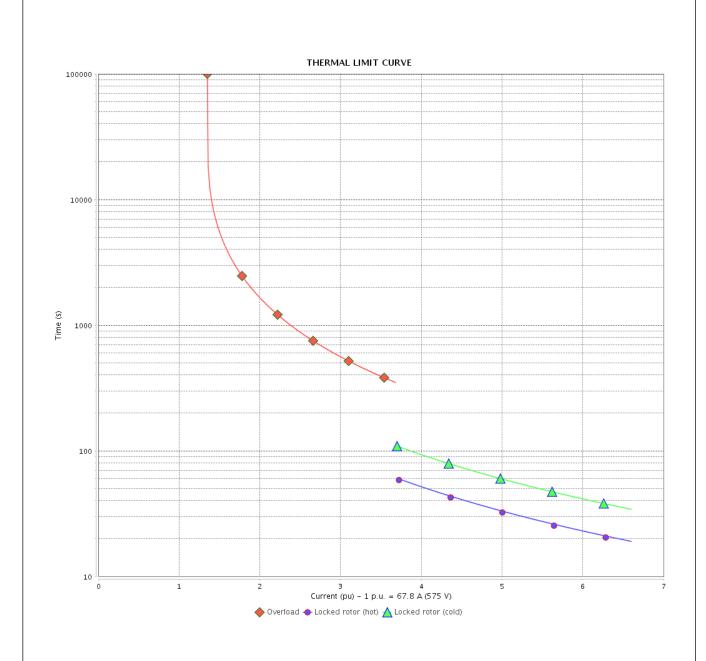
Customer	:				,	
Product line	: \ Et	N40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14836809 07536OT3H3	64JPV-W40
Performance	: 57	75 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		7.8 A 6 11 ft.lb 00 % 50 %	ft.lb Duty cycle fts.lb Insulation 0 % Service fa 1 Temperatu		: 6.40 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		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



Revision

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Customer :

Checked by

Date

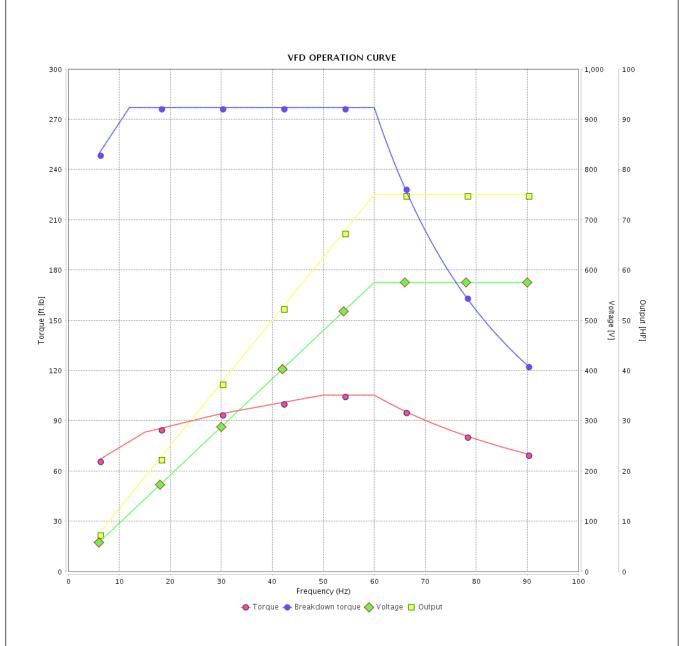
13/04/2022

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836809

Catalog #: 07536OT3H364JPV-W40



Performance : 575 V 60 Hz 2P Rated current : 67.8 A Moment of inertia (J) : 6.40 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.6 Insulation class Rated torque : 111 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3555 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

