DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 JP Pump NEMA Premium Product code: 14836797 Efficiency Three-Phase Catalog #: 07536OT3V364JPV-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 : 200/400 V : 1000 m.a.s.l. Altitude Rated current : 195/97.5 A Protection degree : IP23 L. R. Amperes : 1287/644 A Cooling method : IC01 - ODP LRC : 6.6x(Code G) Mounting : W-6 No load current : 49.5/24.7 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 : 693 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 : 602 lb Efficiency (%) 91.0 91.7 93.0 93.6 Max. traction Power Factor 0.87 : 1295 lb 0.56 0.77 0.84 Max. compression

Drive end
Bearing typeNon drive end
6314 C3Non drive end
6212 Z C3Sealing: Without Bearing Seal
Lubrication interval: 7209 hWithout Bearing Seal

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



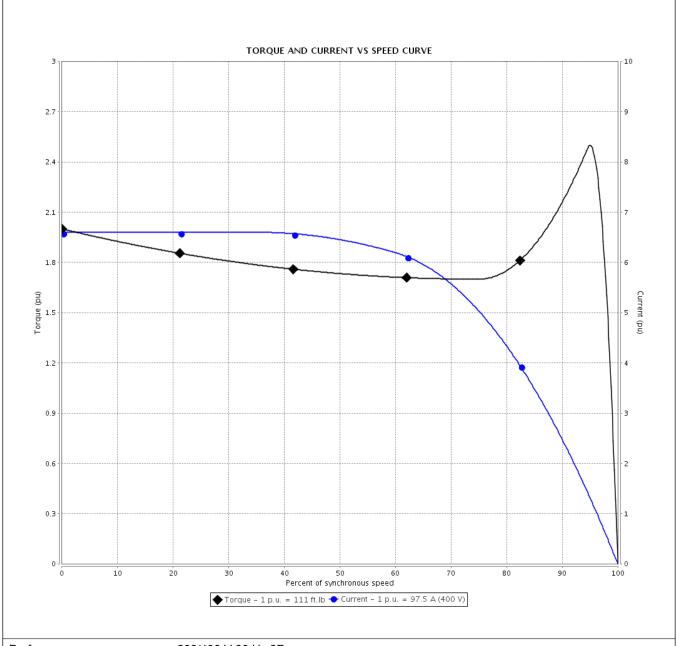
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836797

Catalog #: 07536OT3V364JPV-W40



 Performance
 : 200/400 V 60 Hz 2P

 Rated current
 : 195/97.5 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 Service factor Locked rotor torque : 200 % : 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



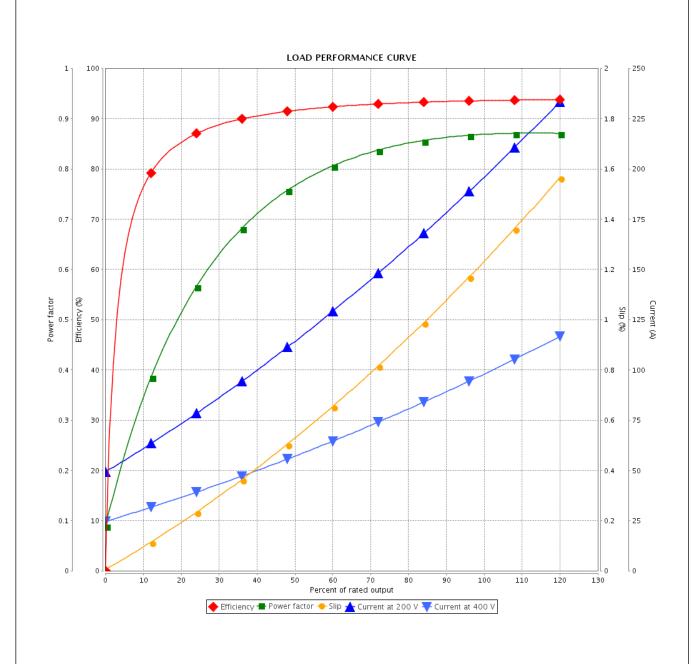
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836797

Catalog #: 07536OT3V364JPV-W40



Performance		: 200/400 V 60 Hz 2P						
Rated current		95/97.5 A Moment of inertia (J)		f inertia (J)	: 6.40 sq.ft.lb			
LRC		3.6	Duty cycle		: Cont.(S1)			
Rated torque		: 111 ft.lb Insulation		class	: F			
Locked rotor torque		200 %	Service factor		: 1.25			
Breakdown torque	: 2	: 250 % Temp : 3555 rpm Desig		ıre rise	: 80 K			
Rated speed	: 3				: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



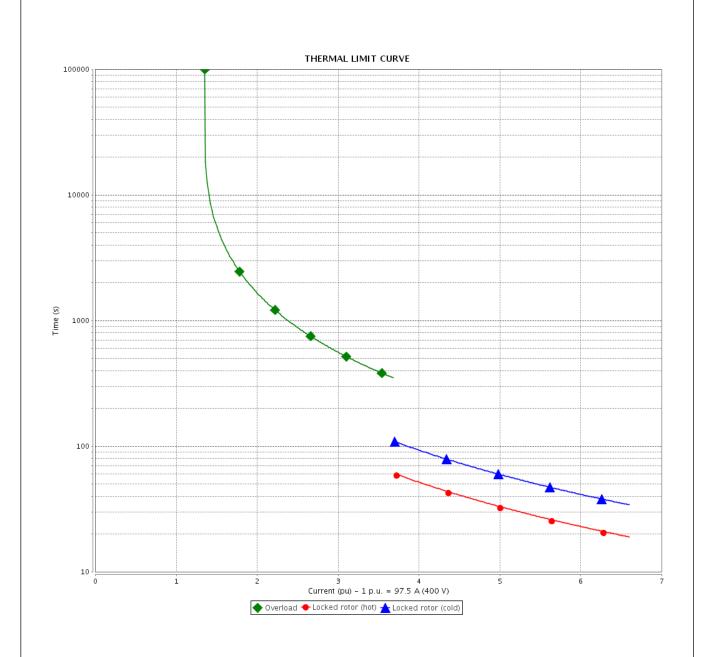
Customer	:						
Product line		: W40 JP Pump NEMA Premiu		Product code :	14836797		
i Toduct IIIIE		Efficiency Three-Phase			14630797		
		·		Catalog # :	07536OT3V3	64JPV-W40	
Performance	: 2	200/400 V 60 Hz 2P					
Rated current		195/97.5 A	Moment o	of inertia (J)	: 6.40 sq.ft.lb		
		5.6 111 ft.lb	Duty cycle Insulation class		: Cont.(S1) : F		
Locked rotor tord	que : 2	200 %	Service fa	ctor	: 1.25		
Breakdown torque		250 % 3555 rpm	Temperate Design	ure rise	: 80 K : B		
Heating constant Cooling constant							
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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 :

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Date

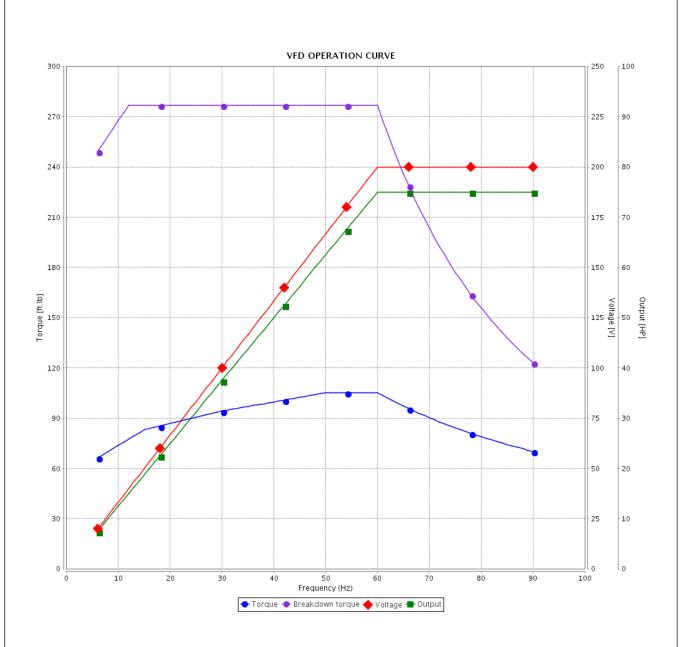
11/04/2020

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836797

Catalog #: 07536OT3V364JPV-W40



Performance : 200/400 V 60 Hz 2P : 195/97.5 A Rated current Moment of inertia (J) : 6.40 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.6 Insulation class : 111 ft.lb : F Rated torque 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

