DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 JP Pump NEMA Premium Product code: 14836795 Efficiency Three-Phase Catalog #: 06018OT3V364JPV-W40 Frame : 364/5JP Locked rotor time : 34s (cold) 19s (hot) Output : 60 HP (45 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 : 161/80.4 A Protection degree : IP23 L. R. Amperes : 1045/523 A Cooling method : IC01 - ODP LRC : 6.5x(Code G) Mounting : W-6 No load current : 56.8/28.4 A Rotation¹ : Both (CW and CCW) Rated speed : 1780 rpm Noise level² : 69.0 dB(A) Starting method Slip : 1.11 % : Direct On Line Rated torque : 177 ft.lb Approx. weight³ : 753 lb Locked rotor torque : 200 % : 240 % Breakdown torque Insulation class : F Service factor : 1.25 Moment of inertia (J) : 15.6 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 95.0 : 1079 lb Efficiency (%) 94.4 94.5 95.0 Max. traction Power Factor 0.48 0.85 0.73 0.82 Max. compression : 1832 lb Non drive end Drive end 6314 C3 Bearing type 6212 Z C3 Sealing Without Bearing Seal Without Bearing Seal

Sealing : Without Bearing Seal Without Bearing Lubrication interval : 19579 h 20000 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



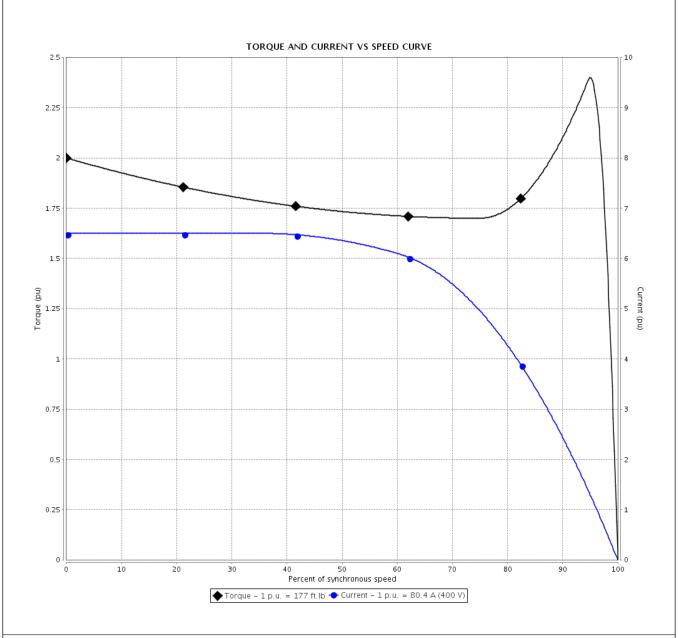
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836795

Catalog #: 06018OT3V364JPV-W40



: 200/400 V 60 Hz 4P Performance Rated current : 161/80.4 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



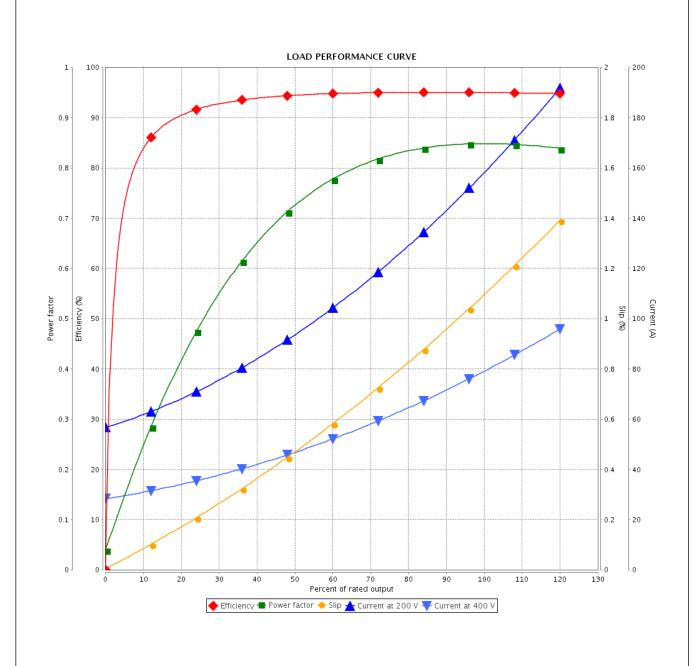
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836795

Catalog #: 06018OT3V364JPV-W40



Performance		: 200/400 V 60 Hz 4P						
Rated current	:	: 161/80.4 A : 6.5 : 177 ft.lb : 200 % : 240 % : 1780 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		f inertia (J)	: 15.6 sq.ft.lb			
LRC	:			Duty cycle		: Cont.(S1)		
Rated torque	:			class	:F			
Locked rotor torq	ue :			ctor	: 1.25			
Breakdown torque	e ::			· ·				
Rated speed	:							
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



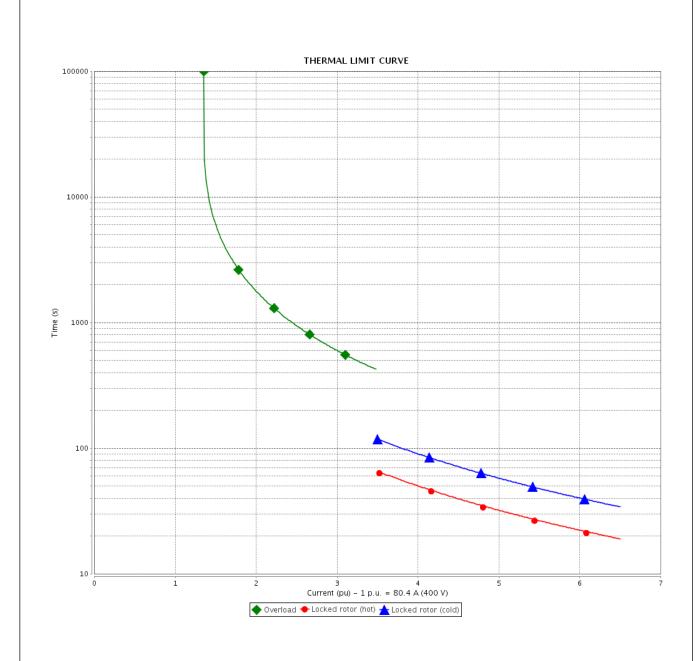
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		: W40 JP Pump NEMA Prem Efficiency Three-Phase	iium	Product code :	14836795	
		,		Catalog # :	06018OT3V3	64JPV-W40
Performance	:	200/400 V 60 Hz 4P				
Rated current		161/80.4 A	Moment o	f inertia (J)	: 15.6 sq.ft.lb	
LRC Rated torque		6.5 177 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	jue :	200 %	Service fa	ctor	: 1.25	
Breakdown torqu		240 %	Temperati	ure rise	: 80 K : B	
Rated speed		1780 rpm	Design		. D	
Heating constant						
Cooling constant	• •	01 0				
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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



Customer :

Date

10/04/2020

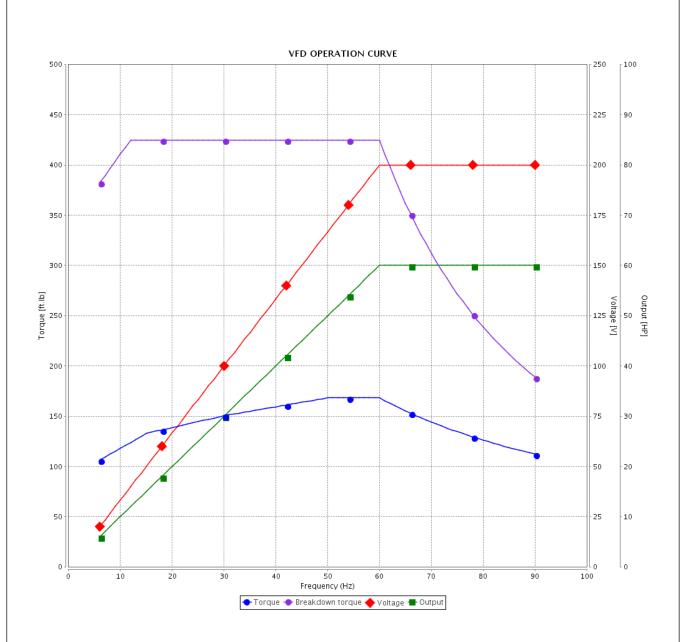
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836795

Catalog #: 06018OT3V364JPV-W40

6/6



Performance : 200/400 V 60 Hz 4P : 161/80.4 A Rated current Moment of inertia (J) : 15.6 sq.ft.lb **LRC** Duty cycle : 6.5 : Cont.(S1) Insulation class : 177 ft.lb : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page

