DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JP Pump NEMA Premium Product code: 13503343 Efficiency Three-Phase Catalog #: 00336OT3V145JP-S Frame : 143/5JP Locked rotor time : 16s (cold) 9s (hot) Output : 3 HP (2.2 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. Cooling method Rated current : 8.26/4.13 A : IC01 - ODP L. R. Amperes : 66.1/33.0 A Mounting : F-1 : Both (CW and CCW) LRC : 8.0x(Code J) Rotation¹ No load current : 2.99/1.49 A Noise level² : 62.0 dB(A) Rated speed : 3480 rpm Starting method : Direct On Line Slip : 3.33 % Approx. weight³ : 39.9 lb Rated torque : 4.53 ft.lb Locked rotor torque : 229 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1279 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 85.5 85.5 : 98 lb Efficiency (%) 83.7 84.0 Max. traction Power Factor 0.50 0.76 0.86 0.90 : 138 lb Max. compression Drive end Non drive end Bearing type 6206 ZZ 6203 ZZ Sealing Without Bearing Seal Without Bearing Seal Lubrication interval

Lubricant amount

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



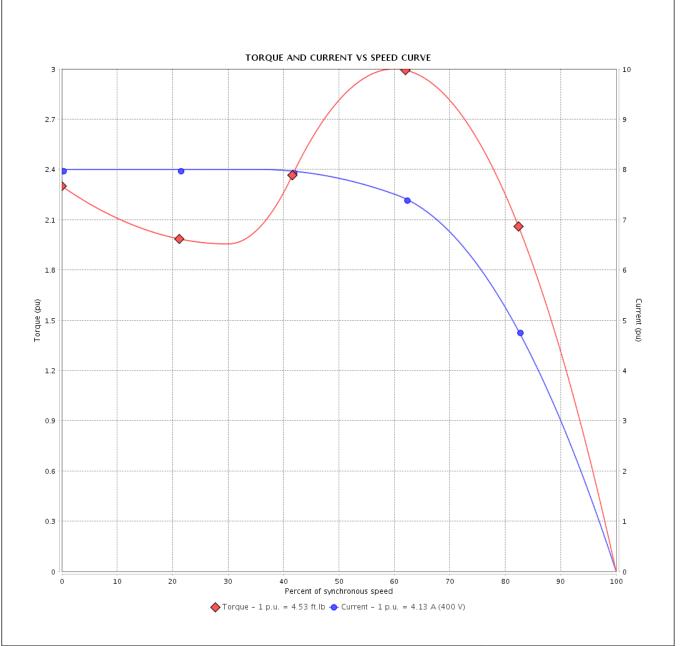
Customer :

Product line : JP Pump NEMA Premium Product code :

Efficiency Three-Phase

Catalog # : 00336OT3V145JP-S

13503343



Performance : 200/400 V 60 Hz 2P Rated current : 8.26/4.13 A Moment of inertia (J) : 0.1279 sq.ft.lb **LRC** : 8.0 Duty cycle : Cont.(S1) : F : 4.53 ft.lb Insulation class Rated torque Service factor : 1.15 Locked rotor torque : 229 % Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 3480 rpm Design : B

Locked rotor time : 16s (cold) 9s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



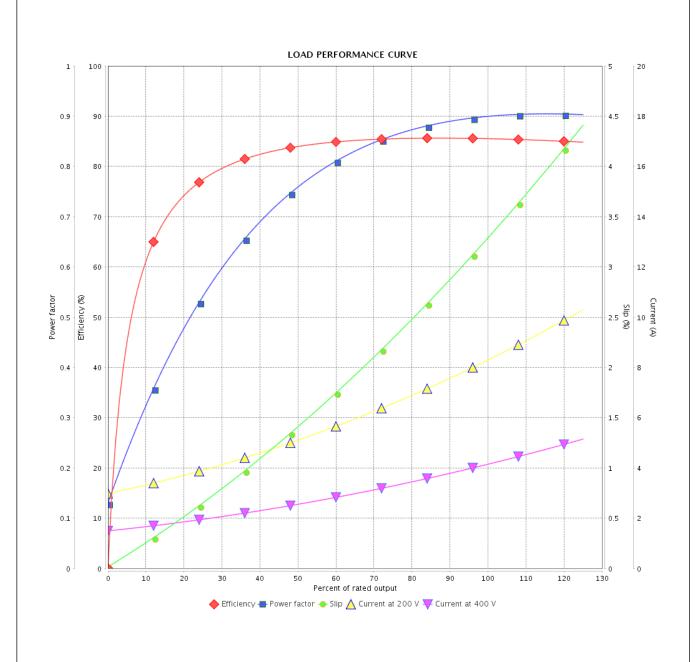
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13503343

Catalog #: 00336OT3V145JP-S



Performance	: 2	: 200/400 V 60 Hz 2P						
Rated current	: 8	: 8.26/4.13 A Moment of		f inertia (J) : 0.1279 sq.ft.lb		b		
LRC	: 8	3.0	Duty cycle		: Cont.(S1)			
Rated torque	: 4	4.53 ft.lb	Insulation class		: F			
Locked rotor torque	e : 2	229 %	Service factor		: 1.15			
Breakdown torque	: :	300 %	Temperature rise		: 80 K			
Rated speed	: 3	3480 rpm	Design		: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



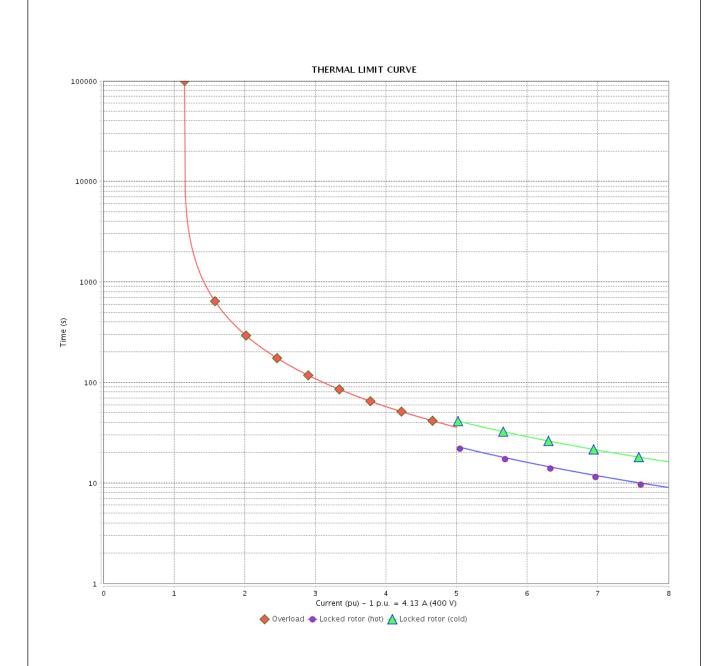
Customer	:					
Product line	:.	JP Pump NEMA Premium	1	Product code :	13503343	
	E.	fficiency Three-Phase	(Catalog # :	00336OT3V1	45JP-S
Performance		00/400 V 60 Hz 2P				
Rated current LRC	: 8. : 8.	26/4.13 A 0	Moment of Duty cycle	f inertia (J)	: 0.1279 sq.ft.l : Cont.(S1)	b
Rated torque	: 4.	53 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		29 % 00 %	Service far Temperatu		: 1.15 : 80 K	
Rated speed		480 rpm	Design	100	: B	
Heating constant						
Cooling constant			1		1	
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Checked by					Page	Revision
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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



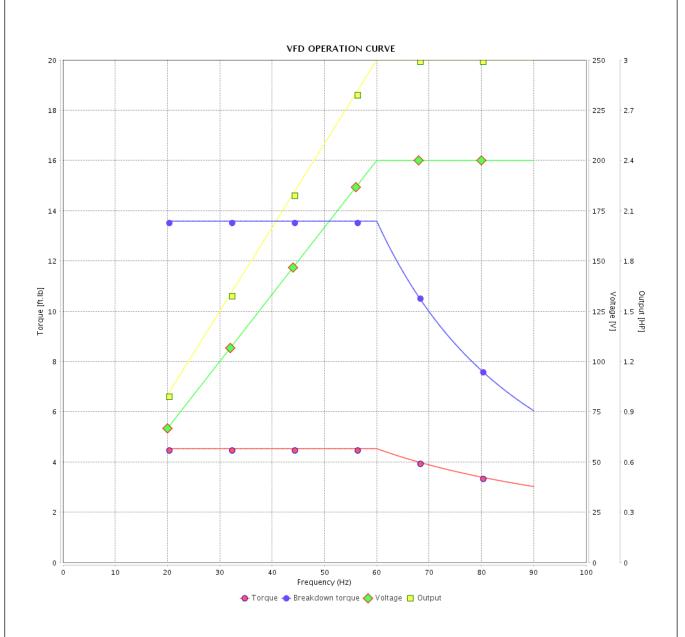
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13503343

Catalog #: 00336OT3V145JP-S



Performance		: 200/400 V 60 Hz 2P						
Rated current :		.26/4.13 A	Moment of	Moment of inertia (J)		.lb		
LRC : 8.		.0	Duty cycl	Duty cycle				
Rated torque : 4		.53 ft.lb	Insulation	Insulation class				
Locked rotor torque : 2		29 %	Service fa	Service factor				
Breakdown torque		00 %	Temperat	Temperature rise		: 80 K		
Rated speed	: 3	480 rpm	Design	Design				
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