DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer		:				
Product line		: JP Pump NEMA Premium Efficiency Three-Phase			Product code : Catalog # :	13503420 01036OT3V213JP-S
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 10 : 2 : 60 : 200 : 27. : 188 : 6.8 : 10. : 353 : 1.8 : 200 : 280 : F	0/400 V 6/13.8 A 8/93.8 A x(Code H) 7/5.36 A 85 rpm 1 % 9 ft.lb) %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 19s (cold) 11s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IC01 - ODP : F-1 : Both (CW and CCW) : 66.0 dB(A) : Direct On Line : 117 lb
Output	25% 88.3	50% 88.5	75%	100% 89.5	Foundation loads Max. traction	: 176 lb
Efficiency (%) Power Factor	0.47	0.74	89.5 0.84	0.88	Max. compression	: 293 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	62	r <u>e end</u> 209 ZZ Bearing Seal - - Mol	Non drive end 6206 ZZ Without Bearing - - - bil 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



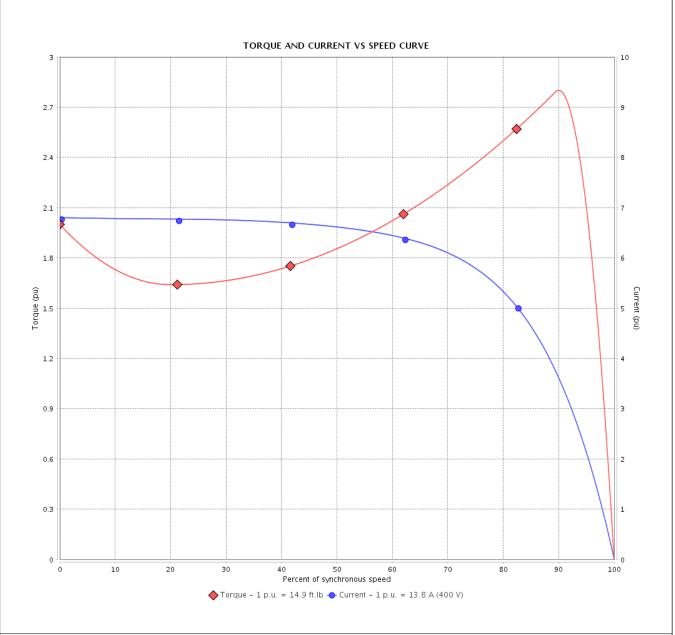
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13503420

Catalog #: 01036OT3V213JP-S



Performance : 200/400 V 60 Hz 2P Rated current : 27.6/13.8 A Moment of inertia (J) : 0.4651 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : F : 14.9 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 200 % : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 3535 rpm Design : B

Locked rotor time : 19s (cold) 11s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



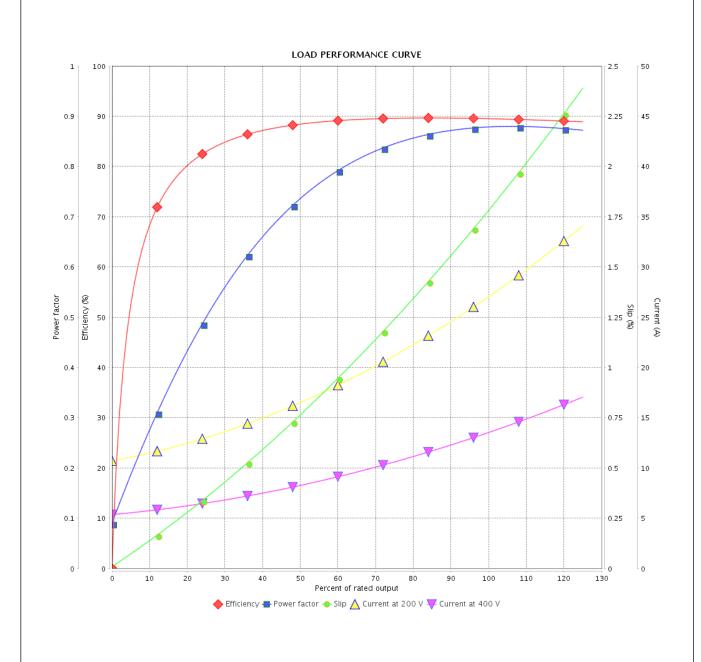
Customer :

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Efficiency Three-Phase

Product code: 13503420

Catalog #: 01036OT3V213JP-S



Performance	:	: 200/400 V 60 Hz 2P						
Rated current	:	: 27.6/13.8 A Moment of		f inertia (J)	: 0.4651 sq.ft.lb			
LRC		6.8	.8 Duty cycle		: Cont.(S1)			
Rated torque	:	14.9 ft.lb	Insulation class		: F			
Locked rotor torque	e :	200 %	Service factor		: 1.15			
Breakdown torque	:	: 280 % : 3535 rpm		Temperature rise Design				
Rated speed	:							
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THERMAL LIMIT CURVE

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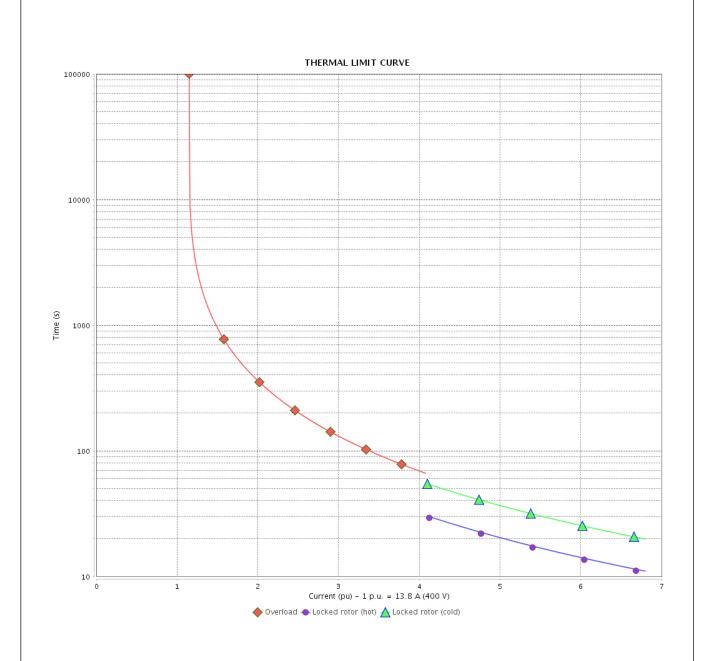
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Product line	: .	JP Pump NEMA Premium	1	Product code :	13503420	
	Ei	fficiency Three-Phase	(Catalog # :	01036OT3V2	213JP-S
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Performance		00/400 V 60 Hz 2P 7.6/13.8 A	Moment	finartia (I)	: 0.4651 og ft l	h
Rated current LRC	: 6.	8	Duty cycle	f inertia (J)	: 0.4651 sq.ft.l : Cont.(S1)	U
Rated torque		4.9 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		00 % 30 %	Service far Temperatu		: 1.15 : 80 K	
Rated speed		535 rpm	Design		: B	
Heating constant	<u> </u>					
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



Customer :

Date

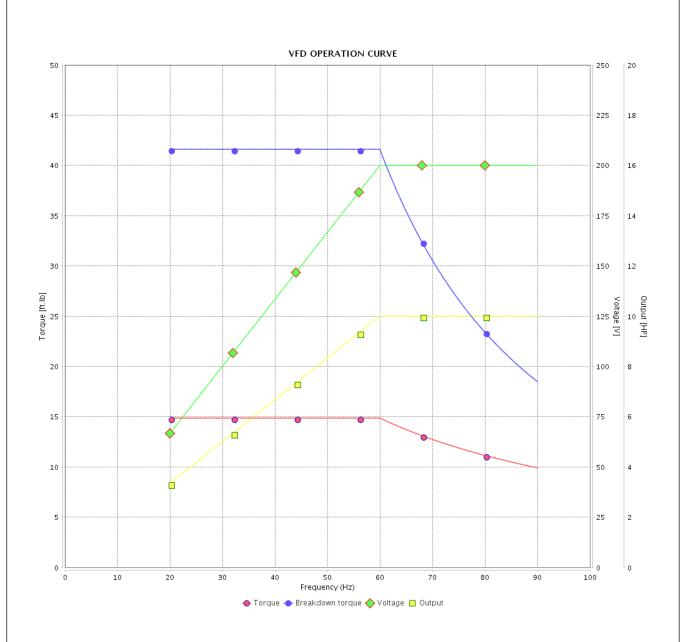
12/04/2022

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13503420

Catalog #: 01036OT3V213JP-S



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