DATA SHEET

Customer

Three Phase Induction Motor - Squirrel Cage



Product line : W40 JP Pump NEMA Premium Product code : 14836794

Efficiency Three-Phase

Catalog #: 06018OT3E364JPV-W40

Frame : 364/5JP Locked rotor time : 34s (cold) 19s (hot)
Output : 60 HP (45 kW) Temperature rise : 80 K

: 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 : 230/460 V : 1000 m.a.s.l. Altitude Rated current : 140/69.9 A Protection degree : IP23

L. R. Amperes : 909/454 A Cooling method : IC01 - ODP CRC : 6.5x(Code G) Mounting : W-6

No load current: 49.4/24.7 ARotation¹: Both (CW and CCW)Rated speed: 1780 rpmNoise level²: 69.0 dB(A)Slip: 1.11 %Starting method: Direct On Line

Rated torque : 177 ft.lb Approx. weight^a : 754 lb

Locked rotor torque : 240 %

Breakdown torque : 240 %

Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 15.6 sq.ft.lb

 Output
 25%
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 94.4
 94.5
 95.0
 95.0
 Max. traction
 : 1259 lb

 Power Factor
 0.48
 0.73
 0.82
 0.85
 Max. compression
 : 2013 lb

 Drive end
 Non drive end

Bearing type : 6314 C3 6212 Z C3
Sealing : Without Bearing Seal Without Bearing Seal

Lubrication interval : 19579 h 20000 h Lubricant amount : 27 g 13 g

Lubricant type : Mobil Polyrex EM

: B

Notes

Design

USABLE @208V 155A SF 1.15 SFA 178A

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



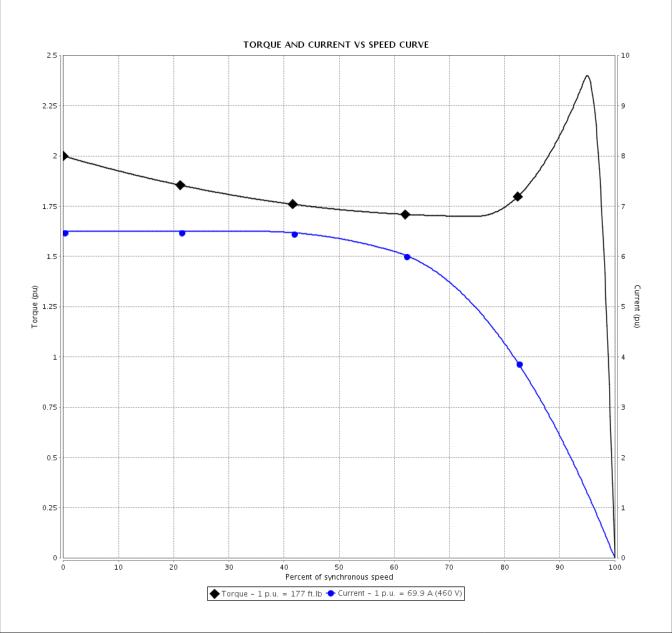
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



Performance : 230/460 V 60 Hz 4P Rated current : 140/69.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 177 ft.lb : F Locked rotor torque : 200 % Service factor : 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



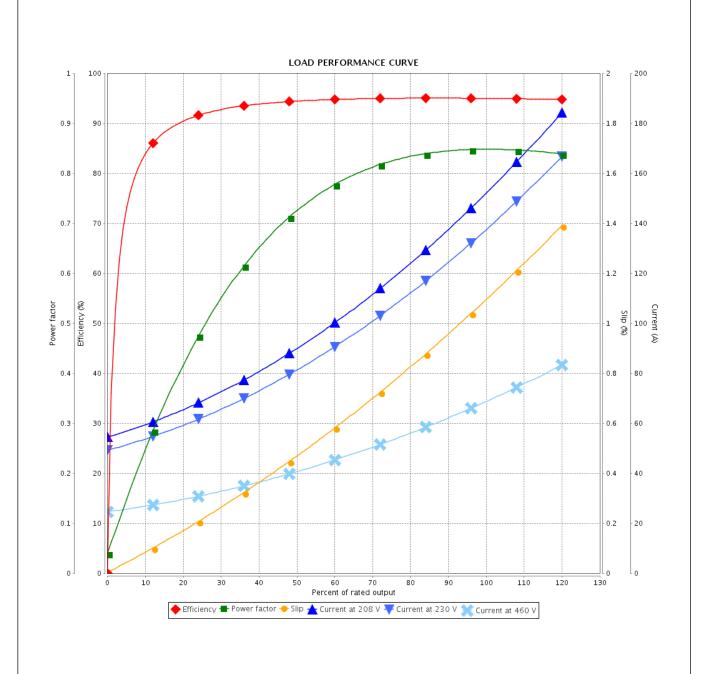
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



Performance :		: 230/460 V 60 Hz 4P						
Rated current :		40/69.9 A	Moment o	Moment of inertia (J)				
LRC : 6.		.5	Duty cycle	Duty cycle				
Rated torque		77 ft.lb	Insulation class		:F			
Locked rotor torque		00 %	Service fa	Service factor				
Breakdown torque		40 %	Temperati	Temperature rise				
Rated speed	: 1	780 rpm	Design		: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



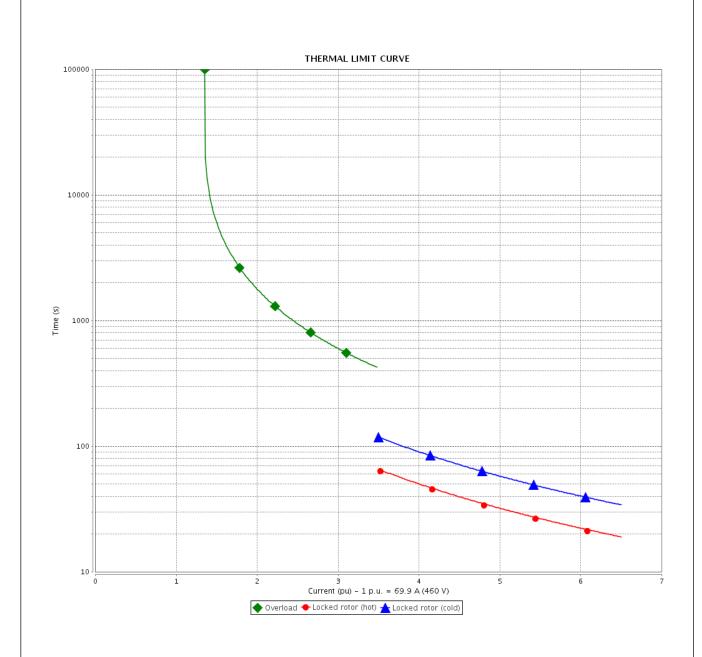
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		: W40 JP Pump NEMA Prem Efficiency Three-Phase	iium	Product code :	14836794	
		,		Catalog # :	06018OT3E364JPV-W40	
Performance		230/460 V 60 Hz 4P				
Rated current LRC		140/69.9 A 6.5	Moment of Duty cycle	of inertia (J)	: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque	:	177 ft.lb	Insulation	class	: F	
Locked rotor toro		200 %	Service fa		: 1.25	
Breakdown torqu Rated speed		240 % 1780 rpm	Temperati 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



Customer :

Checked by

Date

10/04/2020

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

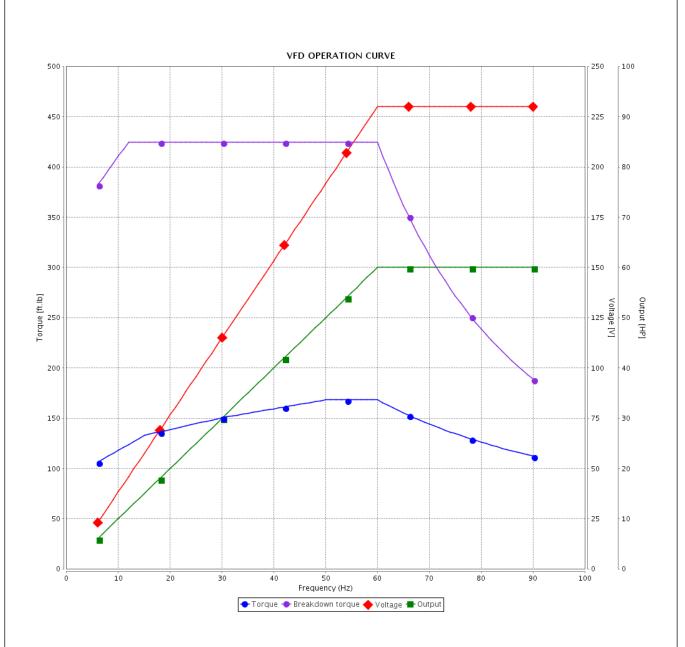
Product code: 14836794

Catalog #: 06018OT3E364JPV-W40

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Revision



Performance	:	230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: : : : : : : :	140/69.9 A 6.5 177 ft.lb 200 % 240 % 1780 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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