DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 JP Pump NEMA Premium Product code: 14490330 Efficiency Three-Phase Catalog #: 06036OT3G326JP-W40 Frame : 324/6JP Locked rotor time : 21s (cold) 12s (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 : 460 V : 1000 m.a.s.l. Altitude Rated current : 71.0 A Protection degree : IP23 L. R. Amperes : 447 A Cooling method : IC01 - ODP LRC : 6.3x(Code G) Mounting : F-1 No load current : 20.0 A Rotation¹ : Both (CW and CCW) Rated speed : 3560 rpm Noise level² : 75.0 dB(A) Starting method Slip : 1.11 % : Direct On Line Rated torque : 88.5 ft.lb Approx. weight³ : 487 lb Locked rotor torque : 220 % Breakdown torque : 229 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 3.82 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.7 92.4 93.0 93.6 Max. traction Power Factor 0.73 0.85 0.51 0.82 Max. compression Non drive end Drive end Bearing type 6312 Z C3 6211 Z C3 Sealing Without Bearing Seal Without Bearing Seal

Lubrication interval : 19658 h 20000 h
Lubricant amount : 21 g 11 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



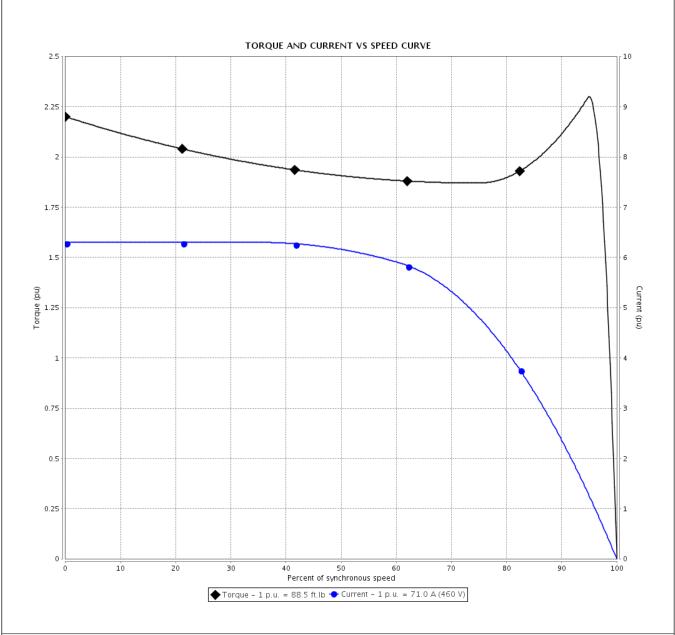
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14490330

Catalog #: 06036OT3G326JP-W40



Performance : 460 V 60 Hz 2P Rated current : 71.0 A Moment of inertia (J) : 3.82 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 88.5 ft.lb : F Service factor Locked rotor torque : 220 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

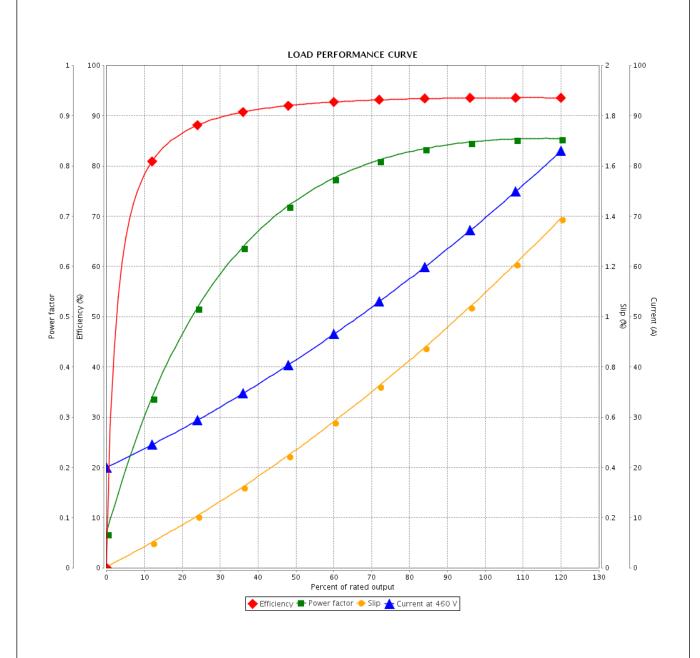
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14490330

Catalog # : 06036OT3G326JP-W40

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Performance	: 460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 71.0 A : 6.3 : 88.5 ft.lb : 220 % : 229 % : 3560 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.82 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



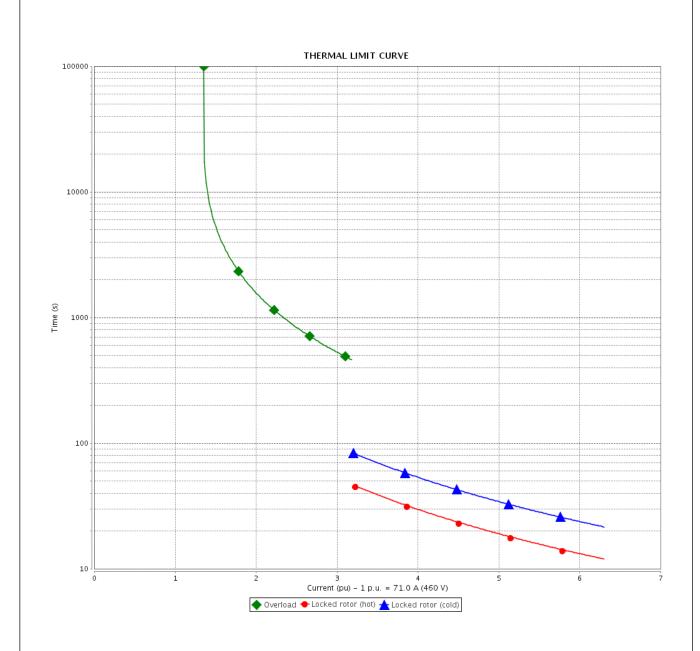
Customer	:				
Product line	: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14490330 06036OT3G3	26JP-W40
Performance	: 460 V 60 Hz 2P				
Rated current	: 71.0 A	Moment of	f inertia (J)	: 3.82 sq.ft.lb	
	: 6.3 : 88.5 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torque	: 220 %	Service fa	ctor	: 1.25	
	: 229 % : 3560 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant					
Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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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 :

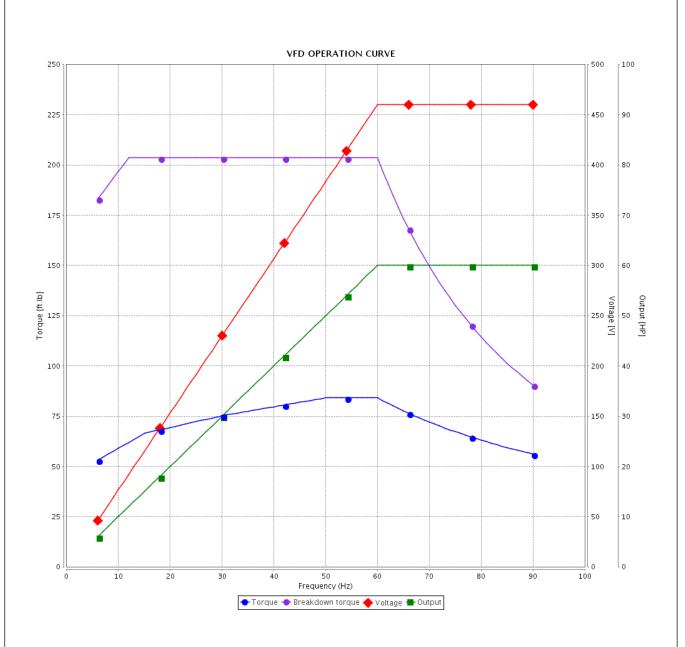
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14490330

Catalog #: 06036OT3G326JP-W40

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Performance	: 460 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 71.0 A : 6.3 : 88.5 ft.lb : 220 % : 229 % : 3560 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 3.82 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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