## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 JP Pump NEMA Premium Product code: 14836792 Efficiency Three-Phase Catalog #: 06036OT3E326JPV-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 : 230/460 V : 1000 m.a.s.l. Altitude Rated current : 142/71.0 A Protection degree : IP23 L. R. Amperes : 895/447 A Cooling method : IC01 - ODP LRC : 6.3x(Code G) Mounting : W-6 No load current : 40.0/20.0 A Rotation<sup>1</sup> : Both (CW and CCW) Rated speed : 3560 rpm Noise level<sup>2</sup> : 75.0 dB(A) Starting method Slip : 1.11 % : Direct On Line Rated torque : 88.5 ft.lb Approx. weight<sup>3</sup> : 478 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

Max. compression

Drive end<br/>Bearing typeNon drive end<br/>6312 Z C3Non drive end<br/>6211 Z C3Sealing: Without Bearing Seal<br/>Lubrication interval: 9829 hWithout Bearing Seal

0.85

Lubricant amount : 21 g 11 g Lubricant type : Mobil Polyrex EM

0.82

Notes

Power Factor

USABLE @208V 157A SF 1.15 SFA 181A

0.51

0.73

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



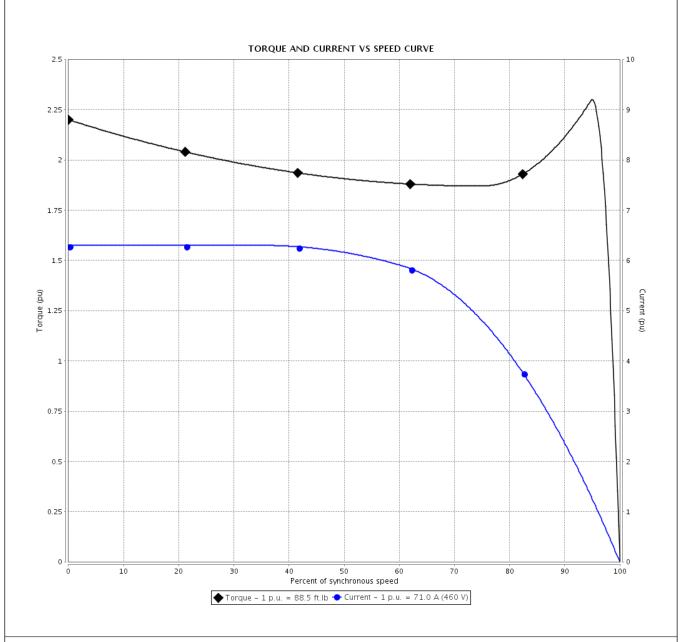
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance : 230/460 V 60 Hz 2P Rated current : 142/71.0 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 Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed

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

: 3560 rpm

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Design

: B

## LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



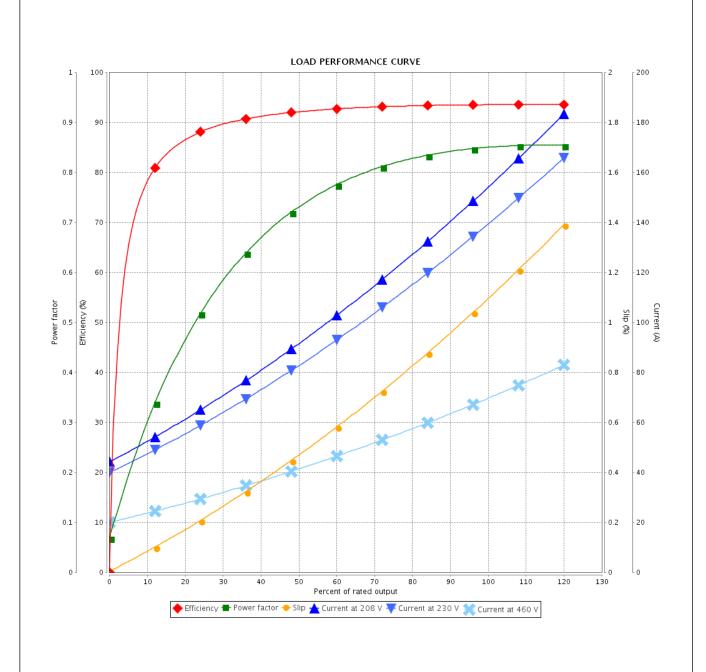
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance		: 230/460 V 60 Hz 2P						
Rated current :		42/71.0 A	Moment o	Moment of inertia (J)				
LRC : 6.3		.3	Duty cycle	Duty cycle				
Rated torque : 88		8.5 ft.lb	Insulation class		: F			
Locked rotor torque : 2		20 %	Service fa	Service factor				
Breakdown torque	: 2:	29 %	Temperati	Temperature rise				
Rated speed	: 3	560 rpm	Design	Design				
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# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



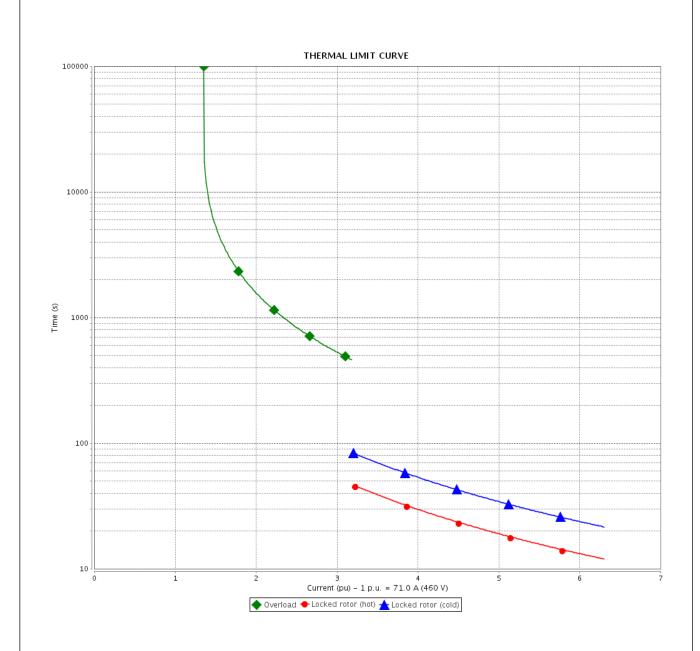
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Product line	: \ E	N40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14836792 06036OT3E32	26JPV-W40
Performance	. 25	30/460 V 60 Hz 2P				
Rated current LRC		42/71.0 A	Moment of Duty cycle	f inertia (J)	: 3.82 sq.ft.lb : Cont.(S1)	
Rated torque	: 88	3.5 ft.lb	Insulation	class	: F	
Locked rotor torq Breakdown torqu Rated speed	e : 22	20 % 29 % 560 rpm	Service far Temperatu Design		: 1.25 : 80 K : B	
Heating constant		•				
Cooling constant		Changes O	Т	Derf !	Ohl !	D-4-
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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

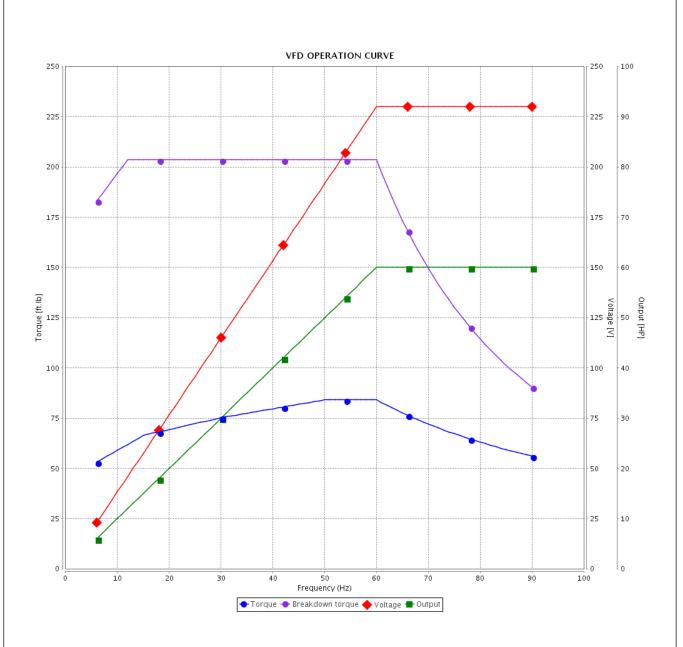
Product code: 14836792

Catalog #: 06036OT3E326JPV-W40

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Revision



Performance	: 2	230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 8 jue : 2	142/71.0 A 5.3 58.5 ft.lb 220 % 229 % 8560 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 3.82 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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