DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40

Frame : 324/6JP Cooling method : IC01 - ODP

Insulation class Mounting : W-6

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) : -20°C to +40°C Ambient temperature Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight³ : 478 lb Protection degree : IP23 Moment of inertia (J) : 3.82 sq.ft.lb

Design	-	. 3.02	5q.it.ib		
Output [HP]		60	50	50	50
Poles		2	2	2	2
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		142/71.0	69.8	68.7	69.5
L. R. Amperes [A]		895/447	482	460	473
LRC [A]		6.3x(Code G)	6.9x(Code H)	6.7x(Code H)	6.8x(Code H)
No load current [A]		50.0/25.0	23.0	27.0	30.0
Rated speed [RPM	1]	3560	2960	2960	2965
Slip [%]	Slip [%]		1.33	1.33	1.17
Rated torque [ft.lb]		88.5	88.7	88.7	88.6
Locked rotor torqu	Locked rotor torque [%]		220	240	260
Breakdown torque	[%]	229	229	250	270
Service factor		1.25	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		27s (cold) 15s (hot)	28s (cold) 16s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)
Noise level ²		75.0 dB(A)			
	25%	91.7	88.9	89.0	89.2
Efficiency (%)	50%	92.4	90.5	90.6	90.7
Lincicity (70)	75%	93.0	92.0	92.1	92.2
100%		93.6	93.7	93.7	93.7
25%		0.48	0.50	0.43	0.38
Power Factor	50%	0.73	0.73	0.67	0.60
1 OWELL ACIO	75%	0.82	0.82	0.77	0.72
	100%	0.85	0.86	0.83	0.79

Foundation loads

Max. traction

Drive end Non drive end 6312 Z C3 6211 Z C3

Bearing type Sealing Without Without

Bearing Seal Bearing Seal 14226 h 9829 h

Lubrication interval Lubricant amount 11 g Mobil Polyrex EM Lubricant type

Max. compression

Notes

USABLE @208V 157A SF 1.15 SFA 181A

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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Three Phase Induction Motor - Squirrel Cage



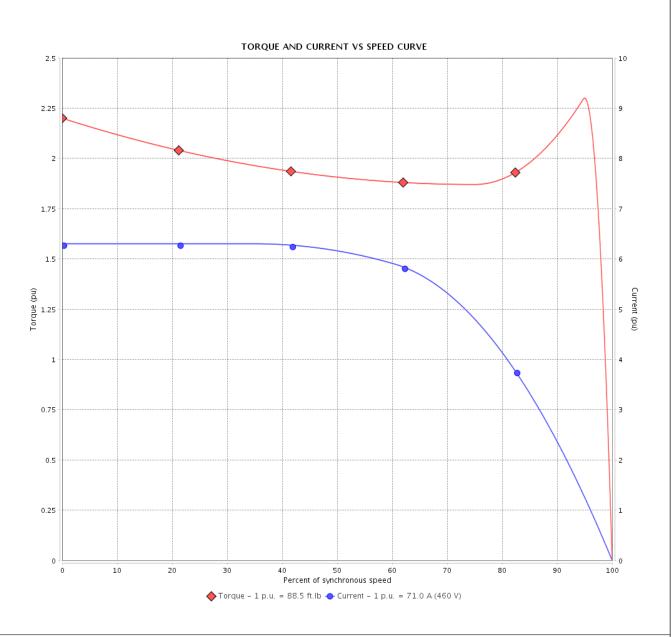
Customer :

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 Service factor Locked rotor torque : 220 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

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Three Phase Induction Motor - Squirrel Cage Customer Product line : W40 JP Pump NEMA Premium Product code: 14836792 Efficiency Three-Phase Catalog #: 06036OT3E326JPV-W40 TORQUE AND CURRENT VS SPEED CURVE 2.25 1.75 1.5 (pd) 1.25 Current 0.5 0.25 Percent of synchronous speed 🔷 Torque – 1 p.u. = 88.7 ft.lb 🔷 Current – 1 p.u. = 69.8 A (380 V) Performance : 380 V 50 Hz 2P IE3 Rated current : 69.8 A Moment of inertia (J) : 3.82 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 88.7 ft.lb : F : 220 % Locked rotor torque Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B Locked rotor time : 28s (cold) 16s (hot) Date Rev. Performed Checked **Changes Summary**

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Three Phase Induction Motor - Squirrel Cage



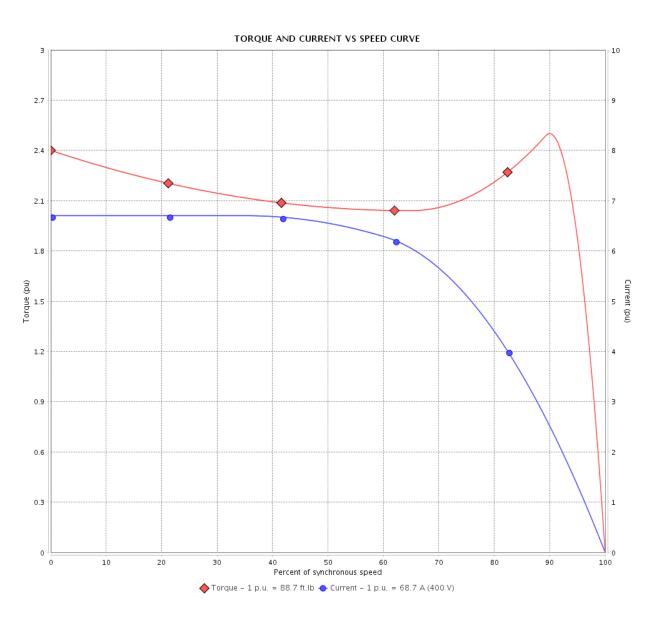
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance : 400 V 50 Hz 2P IE3 Rated current : 68.7 A Moment of inertia (J) : 3.82 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 88.7 ft.lb Insulation class Rated torque : F Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B

Locked rotor time : 25s (cold) 14s (hot)

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Three Phase Induction Motor - Squirrel Cage Customer Product line : W40 JP Pump NEMA Premium Product code: 14836792 Efficiency Three-Phase Catalog #: 06036OT3E326JPV-W40 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed 🔷 Torque – 1 p.u. = 88.6 ft.lb 🔷 Current – 1 p.u. = 69.5 A (415 V) Performance : 415 V 50 Hz 2P IE3 Rated current : 69.5 A Moment of inertia (J) : 3.82 sq.ft.lb LRC : 6.8 Duty cycle : Cont.(S1) Rated torque : 88.6 ft.lb Insulation class : F Locked rotor torque : 260 % Service factor : 1.00 : 80 K Breakdown torque : 270 % Temperature rise : B Rated speed : 2965 rpm Design

Locked rotor time	e : 23	3s (cold) 13s (hot)			
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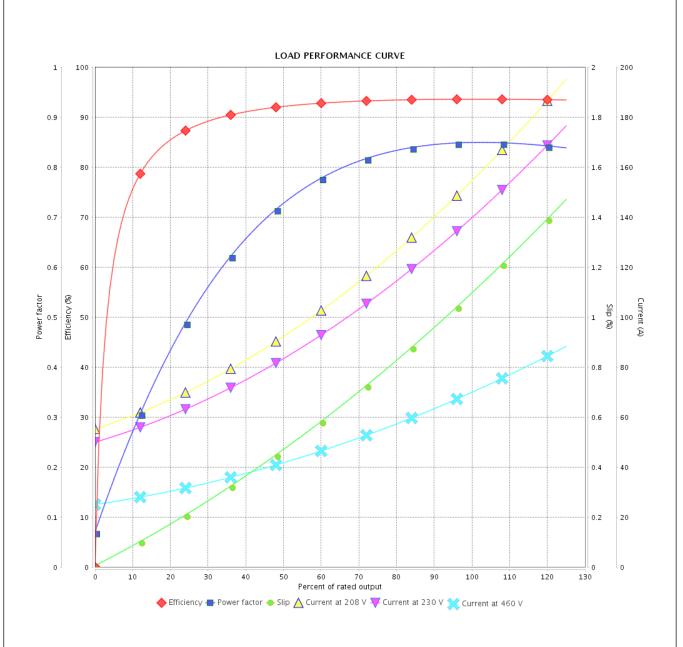
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Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance	: 2	230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 8 iue : 2	142/71.0 A 6.3 88.5 ft.lb 220 % 229 % 3560 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 3.82 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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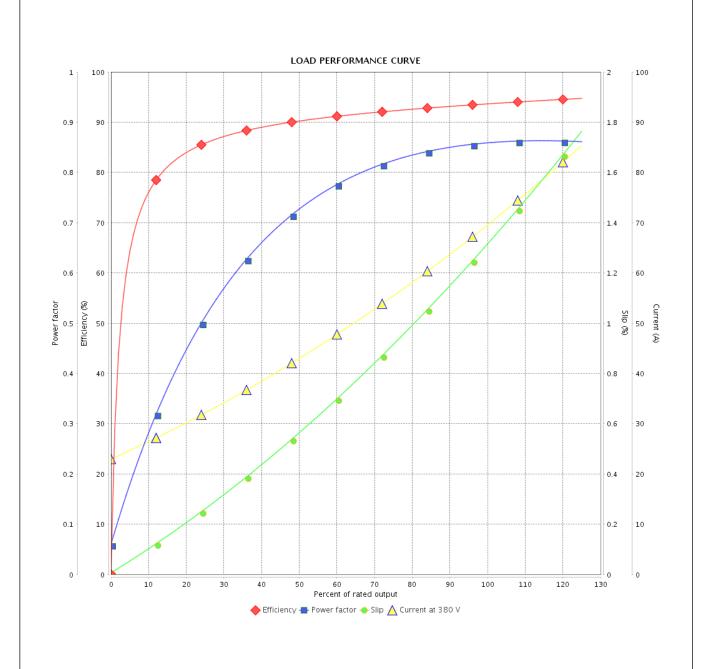
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40

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Performance : 380 V 50 Hz 2P IE3					
Rated current	ated current : 69.8 A Moment of inertia (J)		J)	: 3.82 sq.ft.lb	
LRC	: 6.9	Duty cycle		: Cont.(S1)	
Rated torque	: 88.7 ft.lb	Insulation class		: F	
Locked rotor torque	: 220 %	Service factor		: 1.00	
Breakdown torque	: 229 %	Temperature rise		: 80 K	
Rated speed	: 2960 rpm	Design		: B	
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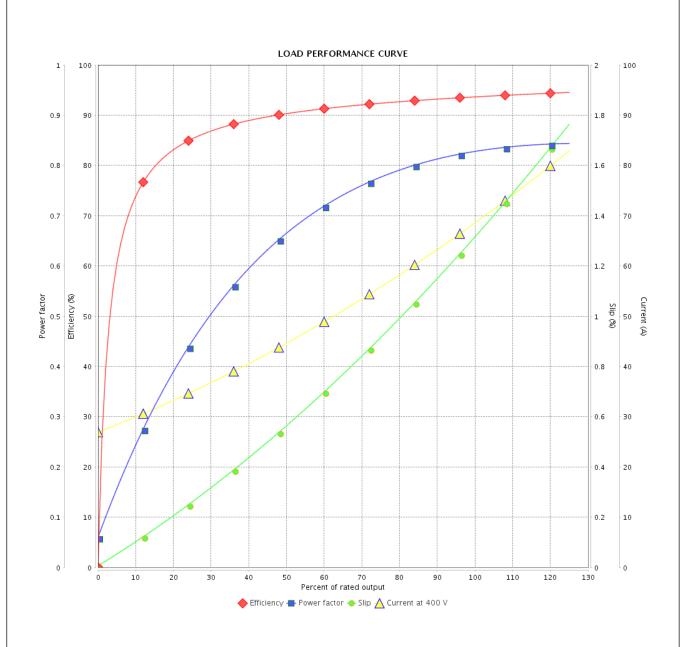
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Efficiency Three-Phase

Product code: 14836792

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Performance	: 400 V 50 Hz 2P IE3		,	
Performance	. 400 V 50 HZ ZP IE3	T		
Rated current	: 68.7 A	Moment of inertia (J)	: 3.82 sq.ft.lb	
LRC Rated torque	: 6.7 : 88.7 ft.lb	Duty cycle Insulation class	: Cont.(S1) : F	
Locked rotor torque	·		: 1.00	
Breakdown torque	: 250 % Temperature rise		: 80 K	
Rated speed	: 2960 rpm	Design	: B	
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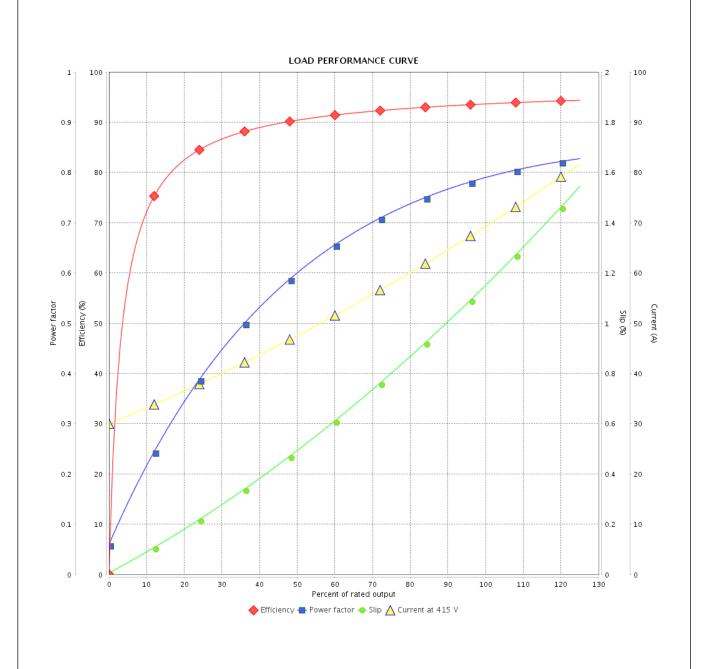
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance	: 4	115 V 50 Hz 2P IE3				
Rated current	: 6	9.5 A	Moment o	f inertia (J)	: 3.82 sq.ft.lb	
LRC	: 6	.8	Duty cycle)	: Cont.(S1)	
Rated torque	: 8	8.6 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	60 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	7 % Temperature rise		ıre rise	: 80 K	
Rated speed	: 2	965 rpm	Design		: B	
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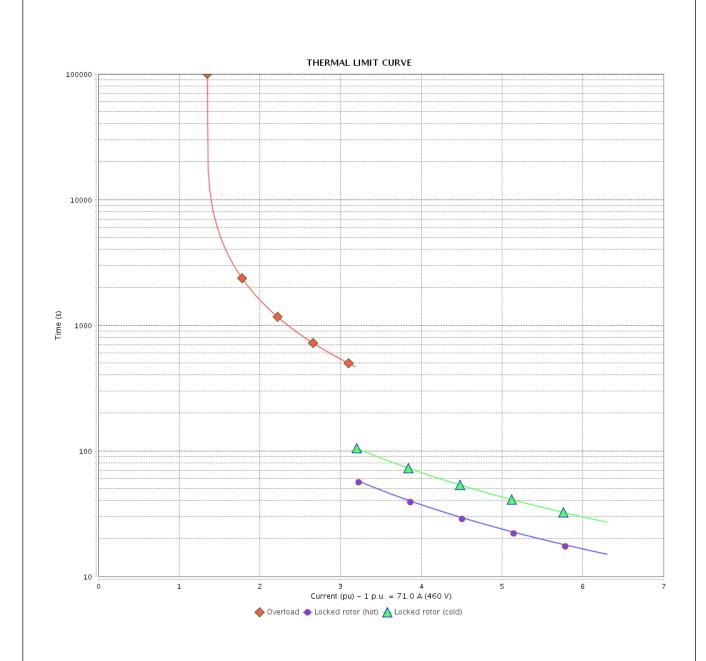


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14836792 06036OT3E3	26JPV-W40
Performance		230/460 V 60 Hz 2P				
Rated current LRC Rated torque	:	142/71.0 A 6.3 88.5 ft.lb	Moment of Duty cycle Insulation		: 3.82 sq.ft.lb : Cont.(S1) : F	
Locked rotor tord Breakdown torqu		220 % 229 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed		3560 rpm	Design	-	: B	
Heating constant						
Cooling constant	ι 	Changes Summary		Performed	Checked	Date
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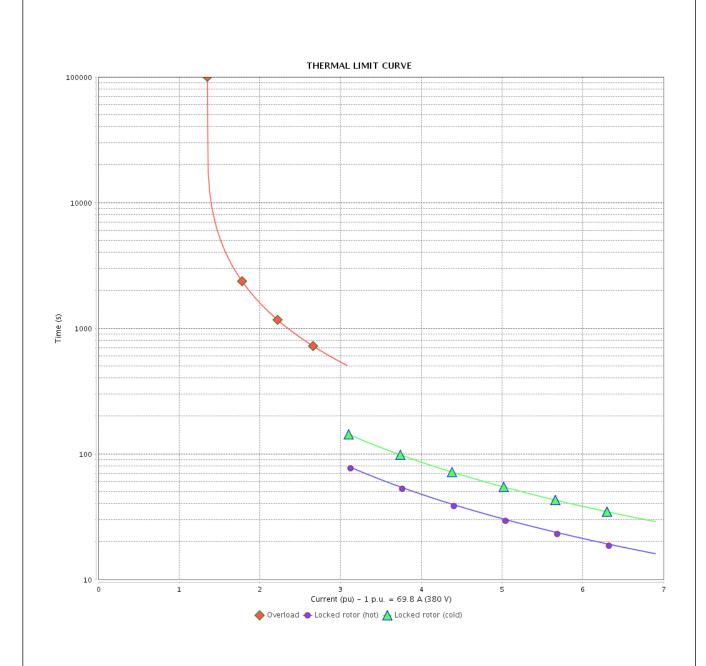


Customer	:				,	
Product line	: \ E	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14836792 06036OT3E32	26JPV-W40
Performance		80 V 50 Hz 2P IE3				
Rated current LRC	: 6.		Moment of Duty cycle		: 3.82 sq.ft.lb : Cont.(S1)	
Rated torque		3.7 ft.lb 20 %	Insulation Service fac	class	: F : 1.00	
Locked rotor torque Breakdown torque	: 22	29 %	Temperatu		: 80 K	
Rated speed		960 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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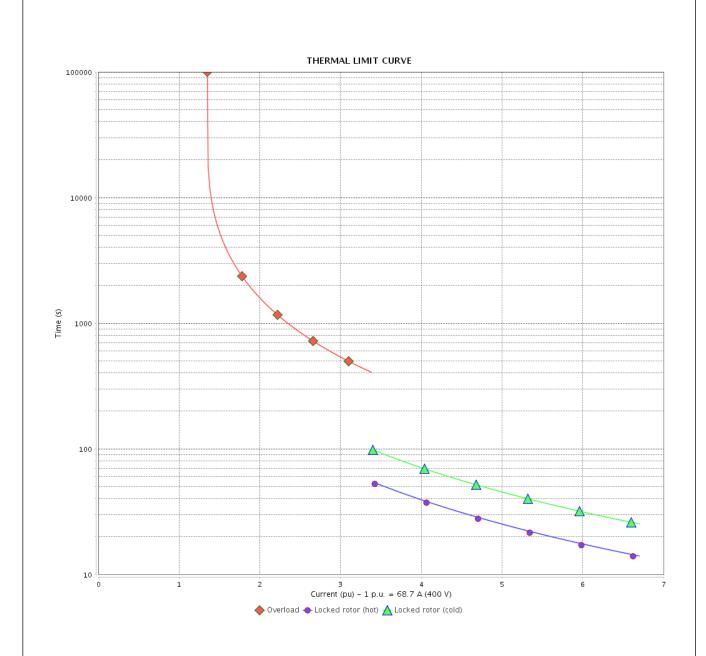


Customer	:					
Product line	: E	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14836792 06036OT3E32	26JPV-W40
Performance		00 V 50 Hz 2P IE3				
Rated current LRC Rated torque	: 6	8.7 A .7 8.7 ft.lb	Moment of Duty cycle Insulation		: 3.82 sq.ft.lb : Cont.(S1) : F	
Locked rotor tord	que : 2	40 %	Service fac	ctor	: 1.00	
Breakdown torqu Rated speed	ie : 2	50 % 960 rpm	Temperatu Design	ıre rise	: 80 K : B	
Heating constant						
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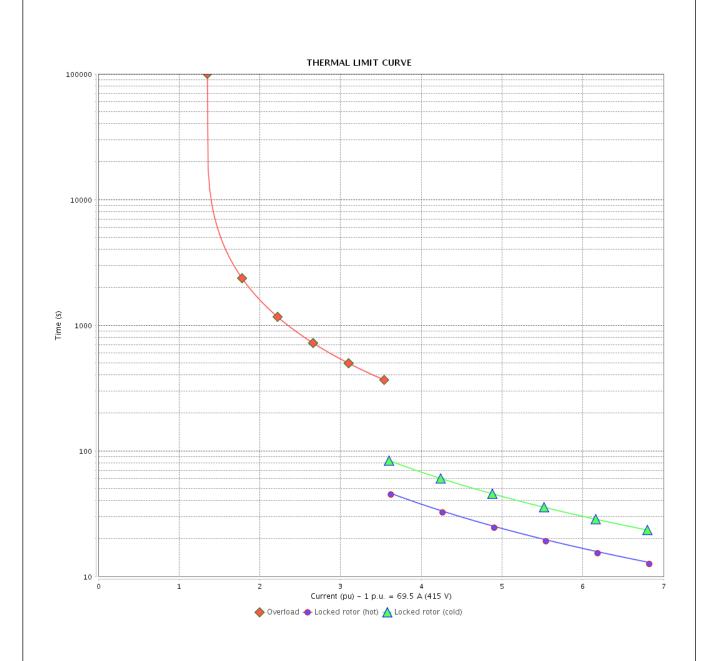


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14836792 06036OT3E32	26JPV-W40
Performance	:	415 V 50 Hz 2P IE3				
Rated current LRC	:	69.5 A 6.8	Duty cycle		: 3.82 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		88.6 ft.lb 260 %	Insulation Service fa		: F : 1.00	
Breakdown torqu Rated speed	ue :	270 % 2965 rpm	Temperati Design		: 80 K : B	
Heating constant						
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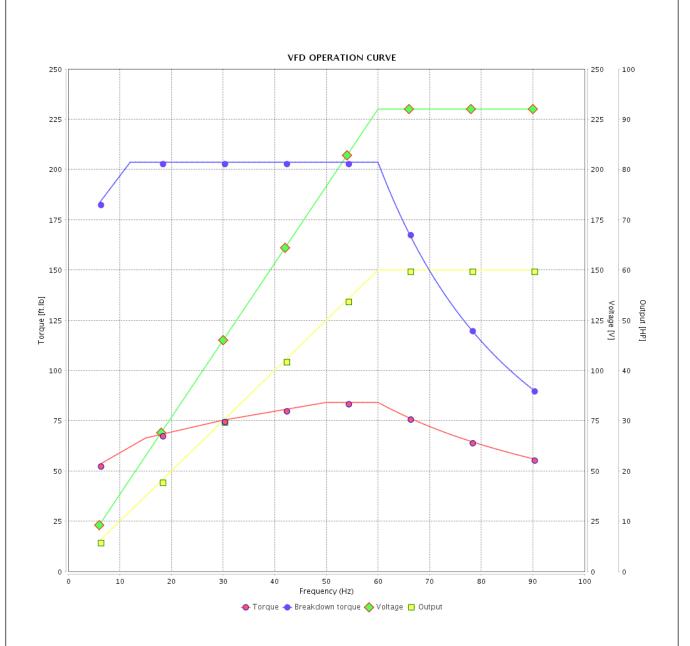
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance : 230/460 V 60 Hz 2P : 142/71.0 A Rated current Moment of inertia (J) : 3.82 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 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 : 3560 rpm Design : B

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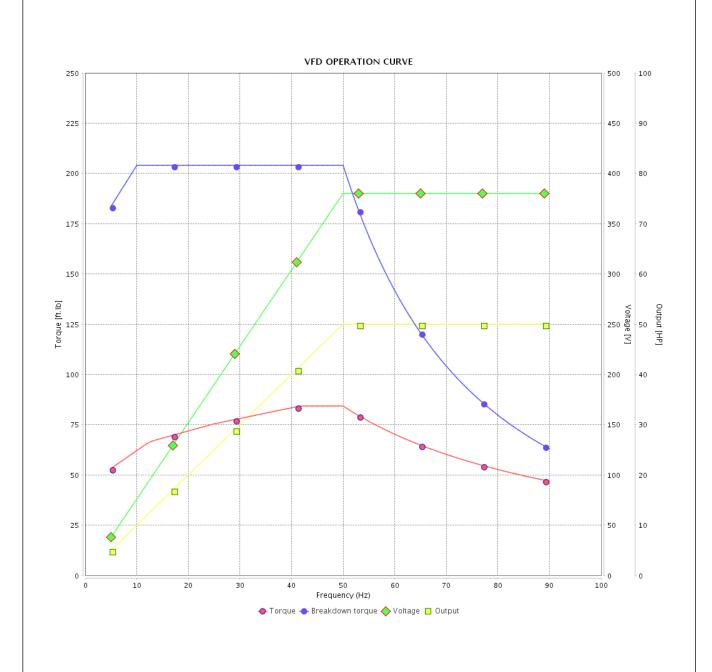
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Performance	: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 69.8 A : 6.9 : 88.7 ft.lb : 220 % : 229 % : 2960 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.82 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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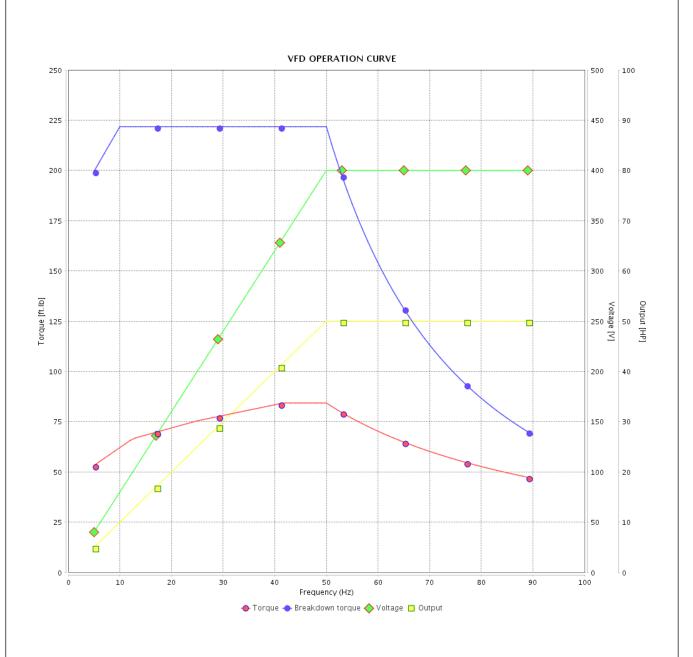
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Efficiency Three-Phase

Product code: 14836792

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Performance	: 4	00 V 50 Hz 2P IE3	}			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		88.7 A 88.7 ft.lb 840 % 850 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.82 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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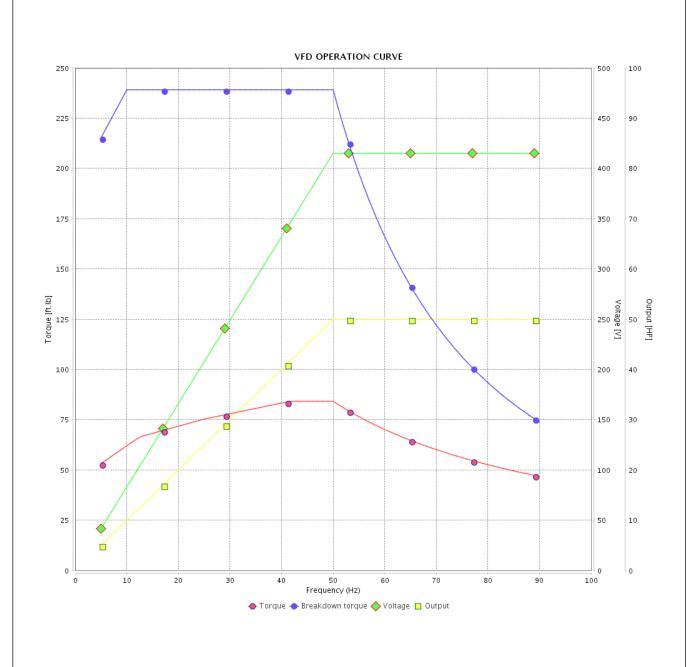
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836792

Catalog #: 06036OT3E326JPV-W40



Performance	: 4	: 415 V 50 Hz 2P IE3				
Rated current	: 69	9.5 A	Moment of	Moment of inertia (J)		
LRC	: 6	.8	Duty cycle	;	: Cont.(S1)	
Rated torque	: 88	8.6 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 20	60 %	Service fa	ctor	: 1.00	
Breakdown torque	e : 2º	70 %	Temperat	Temperature rise		
Rated speed	: 29	965 rpm	Design		: B	
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