### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40

Frame : 284JP Cooling method : IC01 - ODP

Insulation class Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) : -20°C to +40°C Starting method Ambient temperature : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 322 lb

Protection degre	е	: IP23	Moment of ine	ertia (J) : 1.59	sq.ft.lb
Design		: B			
Output [HP]		30	25	25	25
Poles		2	2	2	2
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		70.0/35.0	35.0	34.0	33.6
L. R. Amperes [A]		441/221	231	238	225
LRC [A]		6.3x(Code G)	6.6x(Code G)	7.0x(Code H)	6.7x(Code H)
No load current [A	]	25.8/12.9	12.3	14.0	15.4
Rated speed [RPN	Rated speed [RPM]		2940	2950	2950
Slip [%]	Slip [%]		2.00	1.67	1.67
Rated torque [ft.lb]		44.4	44.7	44.5	44.5
	Locked rotor torque [%]		170	190	200 300
Breakdown torque	[%]	280	260		
Service factor		1.25	1.00 1.00		1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		18s (cold) 10s (hot)	12s (cold) 7s (hot)	12s (cold) 7s (hot)	16s (cold) 9s (hot)
Noise level <sup>2</sup>		73.0 dB(A)			
	25%	90.0	88.0	88.2	88.2
Efficiency (%)	50%	90.2	89.7	89.8	89.8
Lindicity (70)	75%	91.7	90.7	90.8	90.8
	100%	91.7 0.47	92.4	92.4	92.4
	25%		0.50	0.44	0.41
Power Factor	50%	0.73	0.75	0.70	0.66
1 OWCI I actor	75%	0.82	0.83	0.80	0.77
	100%	0.86	0.87	0.85	0.83

Drive end Non drive end 6311 Z C3 6211 Z C3

Without Without Bearing Seal Bearing Seal

20000 h 20000 h Lubrication interval 11 g Lubricant amount Mobil Polyrex EM Lubricant type

Foundation loads Max. traction Max. compression

Notes

Bearing type

Sealing

USABLE @208V 77.4A SF 1.15 SFA 89.0A

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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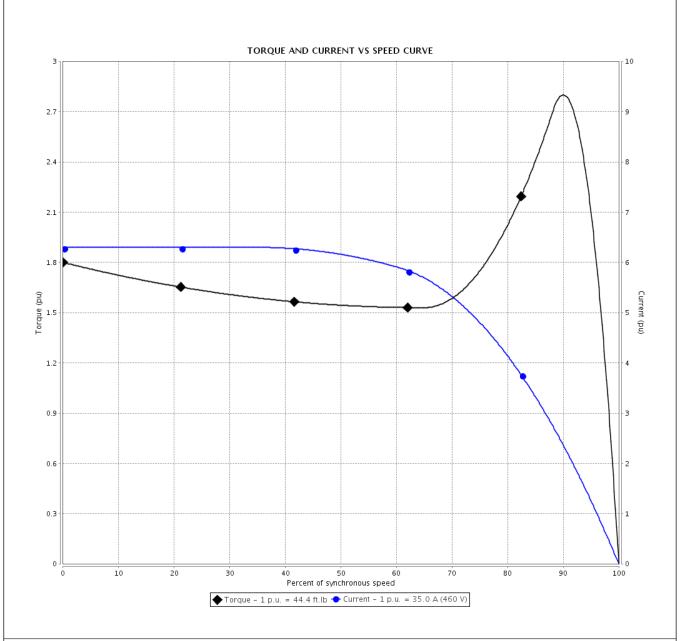
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40



Performance : 230/460 V 60 Hz 2P Rated current : 70.0/35.0 A Moment of inertia (J) : 1.59 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : 44.4 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 180 % : 1.25 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 3545 rpm Design : B

Locked rotor time : 18s (cold) 10s (hot)

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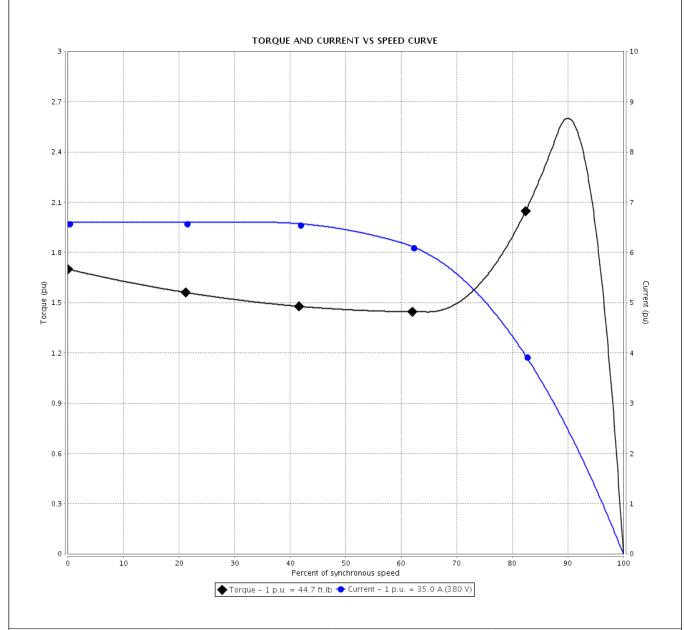
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40



Performance : 380 V 50 Hz 2P IE3 Rated current : 35.0 A Moment of inertia (J) : 1.59 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) : 44.7 ft.lb Insulation class Rated torque : F Locked rotor torque : 170 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K : B Rated speed : 2940 rpm Design

: 12s (cold) 7s (hot) Locked rotor time

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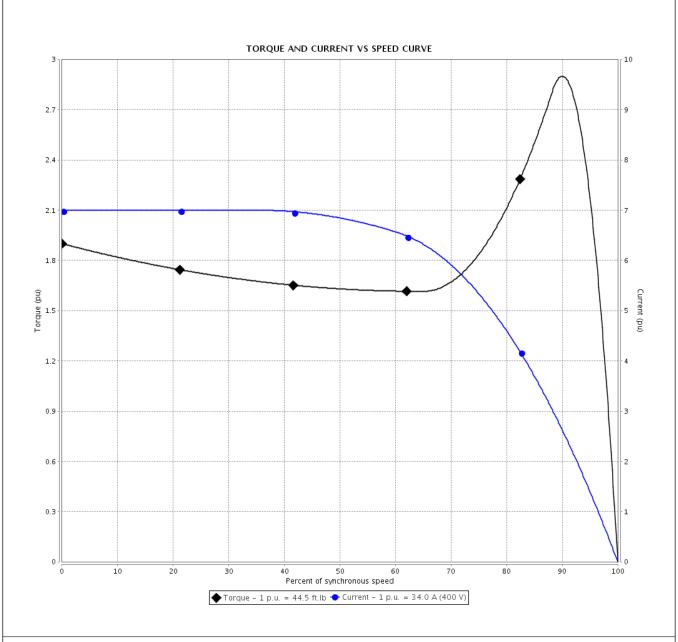
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40



: 400 V 50 Hz 2P IE3 Performance Rated current : 34.0 A Moment of inertia (J) : 1.59 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) : 44.5 ft.lb Insulation class Rated torque : F : 190 % Service factor Locked rotor torque : 1.00 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 2950 rpm Design : B

Locked rotor time : 12s (cold) 7s (hot)

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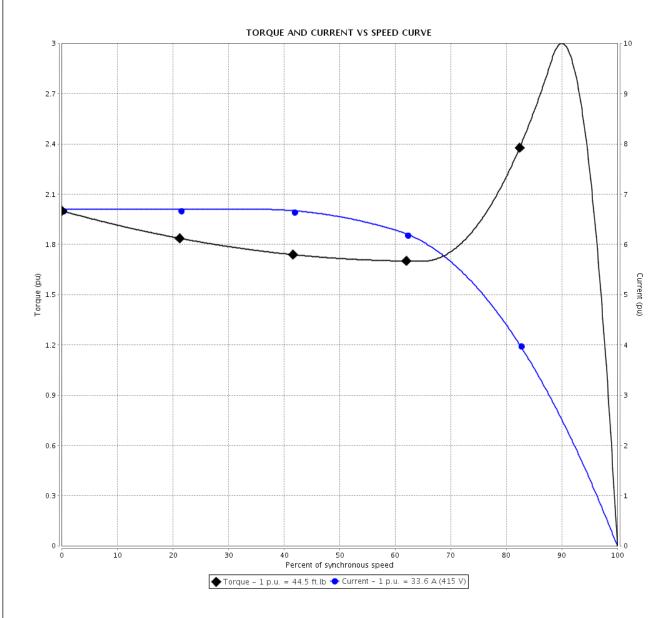
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40



Performance : 415 V 50 Hz 2P IE3 Rated current : 33.6 A Moment of inertia (J) : 1.59 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 44.5 ft.lb Insulation class Rated torque : F : 200 % Locked rotor torque Service factor : 1.00 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 2950 rpm Design : B Locked rotor time : 16s (cold) 9s (hot)

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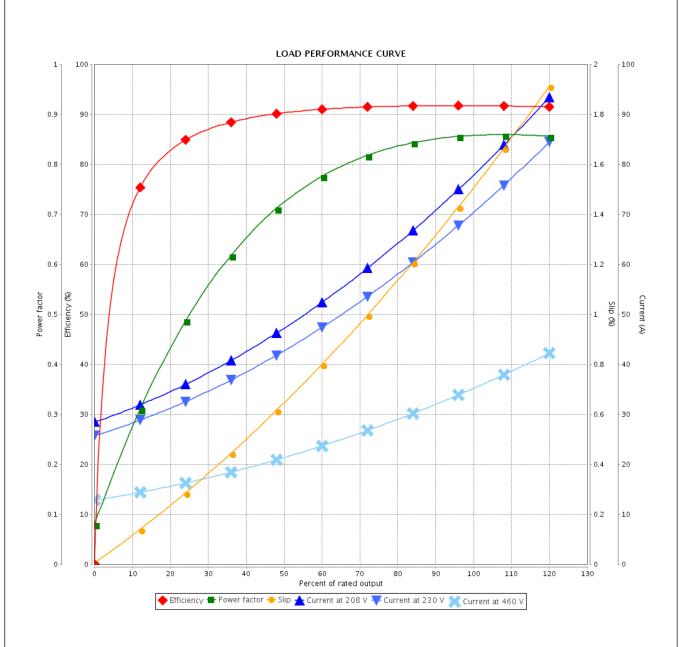
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40



Performance		: 230/460 V 60 Hz 2F	Р			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 70.0/35.0 A : 6.3 : 44.4 ft.lb : 180 % : 280 % : 3545 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 1.59 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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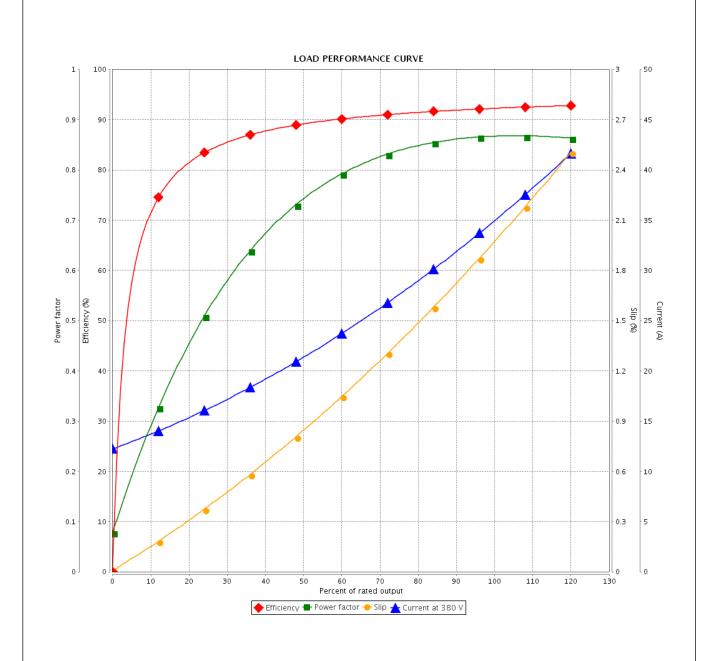
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40



Performance	:	380 V 50 Hz 2P IE3				
Rated current	:	35.0 A	Moment o	f inertia (J)	: 1.59 sq.ft.lb	
LRC	:	6.6	Duty cycle	)	: Cont.(S1)	
Rated torque	:	44.7 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	170 %	Service fa	ctor	: 1.00	
Breakdown torque	:	260 %	Temperature rise		: 80 K	
Rated speed	:	2940 rpm	Design		: B	
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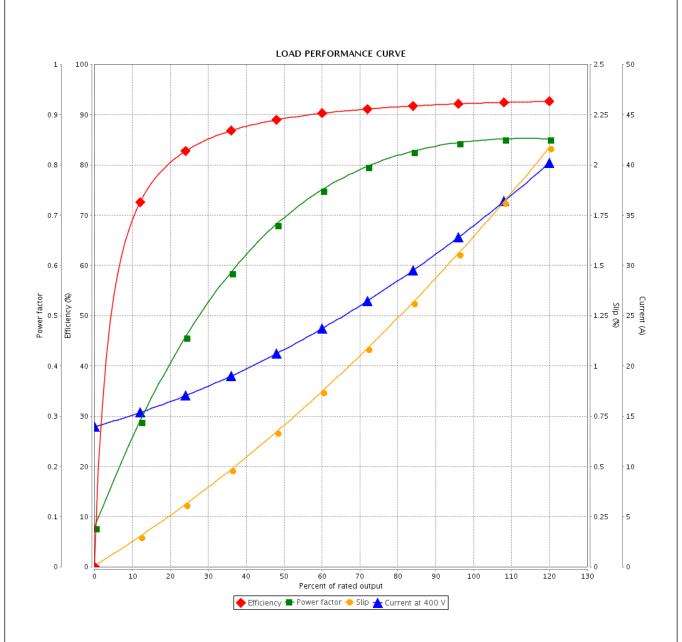
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

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Performance	: 400 V 50 Hz 2P IE3				
Rated current	Rated current : 34.0 A Moment		f inertia (J)	: 1.59 sq.ft.lb	
LRC	: 7.0	Duty cycle	;	: Cont.(S1)	
Rated torque	: 44.5 ft.lb	Insulation class		:F	
Locked rotor torque	: 190 %	Service factor		: 1.00	
Breakdown torque	: 290 %	Temperature rise		: 80 K	
Rated speed	: 2950 rpm	Design		: B	
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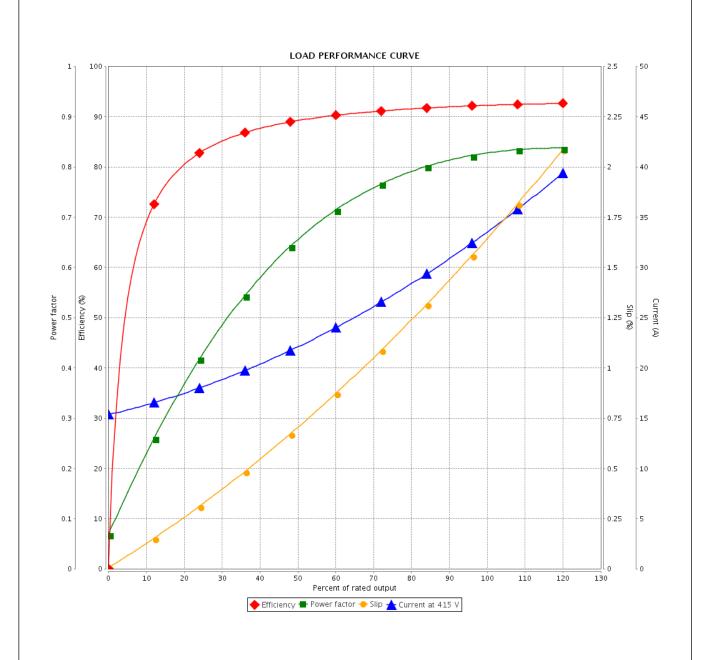
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14367488

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Performance	: 415 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 33.6 A : 6.7 : 44.5 ft.lb : 200 % : 300 % : 2950 rpm	Moment of ine Duty cycle Insulation clas Service factor Temperature r Design	SS	: 1.59 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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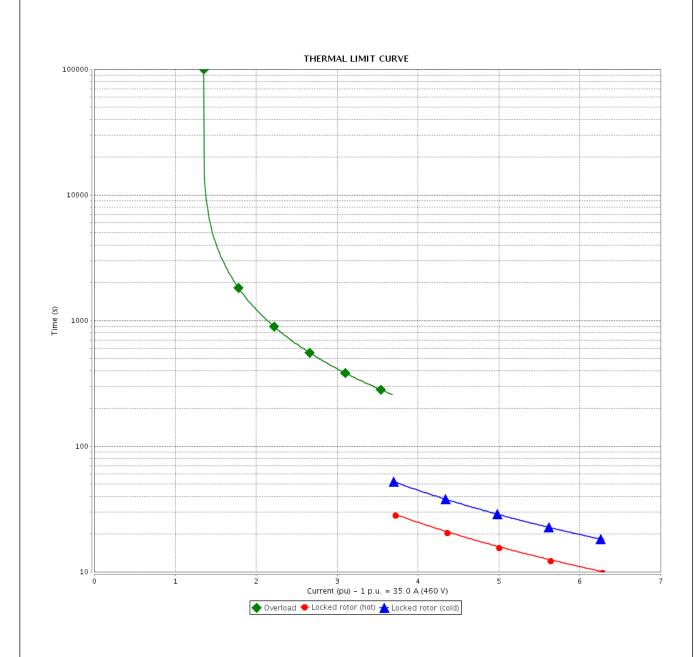


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Product line	: \ E1	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14367488 03036OT3E28	34JP-W40
Performance		80/460 V 60 Hz 2P				
Rated current LRC	: 70 : 6.	0.0/35.0 A 3	Moment of Duty cycle	f inertia (J)	: 1.59 sq.ft.lb : Cont.(S1)	
Rated torque	: 44	4.4 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		30 % 30 %	Service fac Temperatu		: 1.25 : 80 K	
Rated speed		545 rpm	Design		: B	
Heating constan						
Cooling constant	t	01 0	Т			
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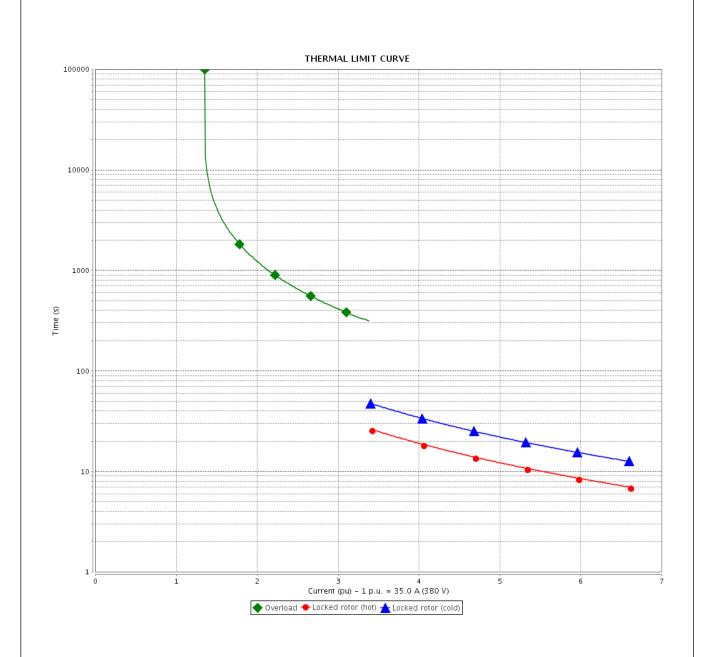


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Product line	: \ Et	N40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14367488	04 ID W40
				Catalog # :	03036OT3E2	J <del>T</del> UI -∀∀ <del>T</del> U
Performance	· 38	30 V 50 Hz 2P IE3				
Rated current	: 35	5.0 A	Moment of	f inertia (J)	: 1.59 sq.ft.lb	
LRC Rated torque	: 6. : 44	6 4.7 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torq	jue : 17	70 %	Service fac	ctor	: 1.00	
Breakdown torqu Rated speed		60 % 940 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant						
Cooling constant						
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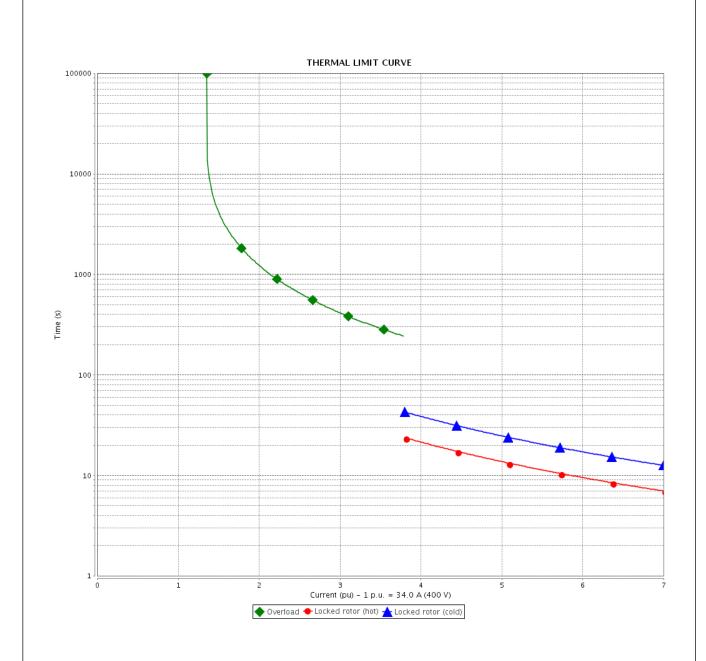


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Product line	: \	N40 JP Pump NEMA Prem	ium f	Product code :	14367488	
	Ef	fficiency Three-Phase	(	Catalog # :	03036OT3E2	34JP-W40
Performance		00 V 50 Hz 2P IE3			4	
Rated current LRC	: 3 <sup>2</sup> : 7.	1.0 A 0	Moment of Duty cycle	nertia (J)	: 1.59 sq.ft.lb : Cont.(S1)	
Rated torque	: 44	1.5 ft.lb	Insulation	class	: F	
Locked rotor torqu		90 %	Service fac		: 1.00	
Breakdown torque Rated speed		90 % 950 rpm	Temperatu Design	re rise	: 80 K : B	
Heating constant						
Cooling constant						
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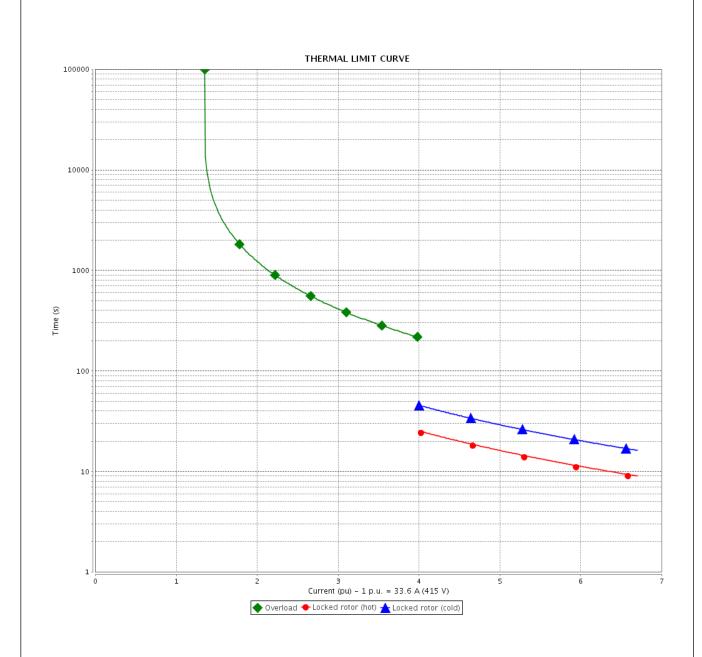


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14367488 03036OT3E2	84JP-W40
Performance		415 V 50 Hz 2P IE3	T			
Rated current LRC Rated torque Locked rotor toro	: : : que	33.6 A 6.7 44.5 ft.lb 200 %	Duty cycle Insulation Service fa	class actor	: 1.59 sq.ft.lb : Cont.(S1) : F : 1.00	
Breakdown torqu Rated speed		300 % 2950 rpm	Temperati Design	ure 115e	: 80 K : B	
Heating constant						
Cooling constant	t 	Changes Summary		Performed	Checked	Date
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#### Three Phase Induction Motor - Squirrel Cage



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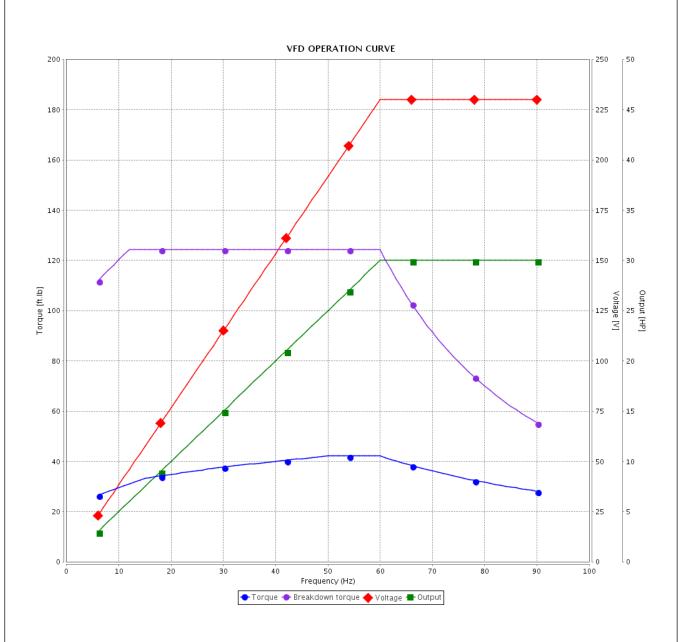
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Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40

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Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 70.0/35.0 A : 6.3 : 44.4 ft.lb : 180 % : 280 % : 3545 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.59 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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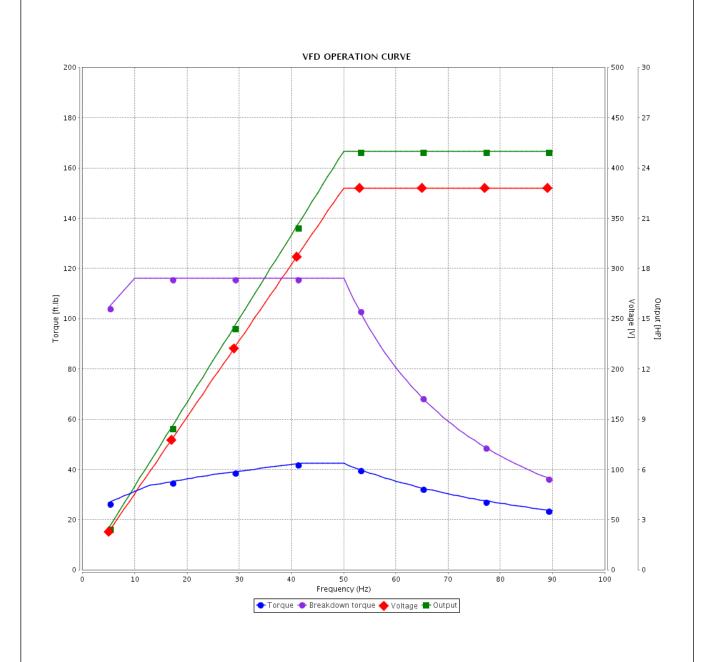
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Product code: 14367488

Catalog #: 03036OT3E284JP-W40

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Performance	: 380 V 50 Hz 2P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 35.0 A : 6.6 : 44.7 ft.lb : 170 % : 260 % : 2940 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 1.59 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	)
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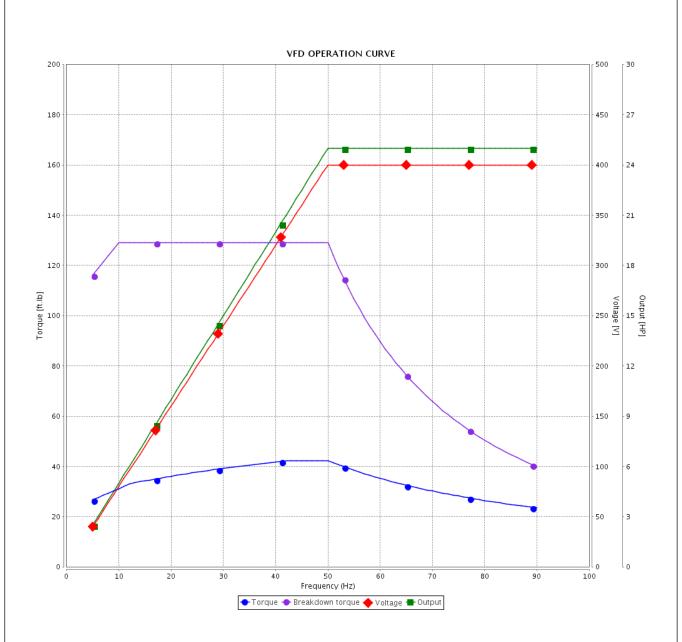
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Efficiency Three-Phase

Product code: 14367488

Catalog #: 03036OT3E284JP-W40

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Performance	: 400 V 50 Hz 2P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 34.0 A : 7.0 : 44.5 ft.lb : 190 % : 290 % : 2950 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 1.59 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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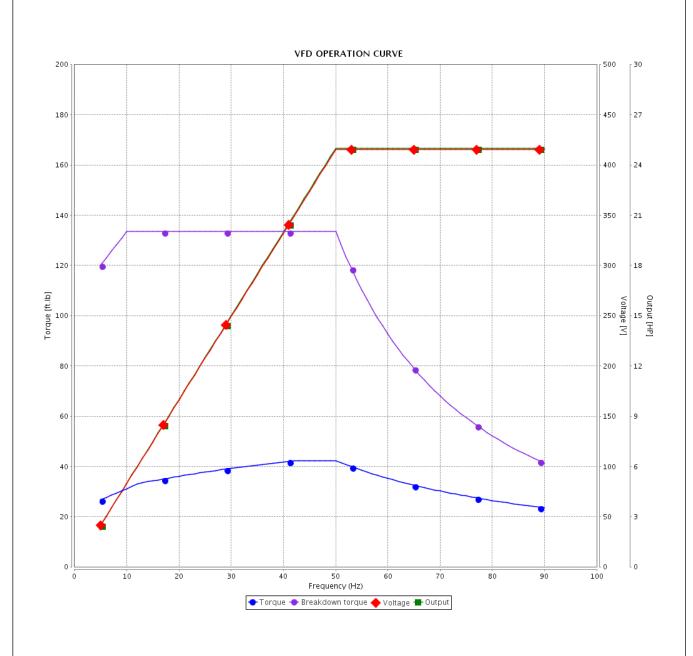
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Performance	: 415 V 50 Hz 2P IE3					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 33.6 A : 6.7 : 44.5 ft.lb : 200 % : 300 % : 2950 rpm	Duty cycle : Consultation class : Foundation class : Foundation class : Temperature rise : 8		: 1.59 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	: Cont.(S1) : F : 1.00 : 80 K	
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