DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40

Frame : 364/5JP

Insulation class : F

Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C

Altitude : 1000 m.a.s.l.
Protection degree : IP23

Cooling method : IC01 - ODP

Mounting : F-1 Rotation¹ : Both (CW and CCW)

Starting method : Direct On Line

Approx. weight³ : 820 lb

Moment of inertia (J) : 23.9 sq.ft

Protection degree		: IP23	Moment of ine	Moment of inertia (J) : 23.9 sq.ft.lb			
Design		: B					
Output [HP]		50	40	40	40		
Poles	Poles		6	6	6		
Frequency [Hz]		60	50	50	50		
Rated voltage [V]		230/460	380	400	415		
Rated current [A]		116/58.1	57.1	54.8	53.5		
L. R. Amperes [A]		779/389	400	395	412		
LRC [A]		6.7x(Code G)	7.0x(Code H)	7.2x(Code H)	7.7x(Code J)		
No load current [A]		40.8/20.4	20.2	21.7	23.0		
Rated speed [RPM	Rated speed [RPM]		985	985	985		
Slip [%]		1.25	1.50	1.50	1.50		
Rated torque [ft.lb]		222	213	213 213			
Locked rotor torque	Locked rotor torque [%]		200	229	250		
Breakdown torque	[%]	240	240				
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)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)		
Noise level ²		68.0 dB(A)					
	25%	93.5	92.4	92.4	92.4		
Efficiency (%)	50%	93.6	92.5	92.5	92.5		
Liliciency (70)	75%	94.1	92.9	92.9	92.9		
	100%	94.1	92.9	92.9	92.9		
	25%	0.48	0.48	0.44	0.42		
Power Factor	50%	0.74	0.74	0.70	0.68		
1 OWELL ACTOL	75%	0.82	0.83	0.80	0.79		
	100%	0.85	0.86	0.85	0.84		

Drive end Non drive end Founda

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

Bearing Seal Bearing Seal

Lubrication interval:20000 h20000 hLubricant amount:27 g13 gLubricant type:Mobil Polyrex EM

Foundation loads
Max. traction

Max. traction : 1709 lb Max. compression : 2529 lb

Notes

USABLE @208V 128A SF 1.15 SFA 148A

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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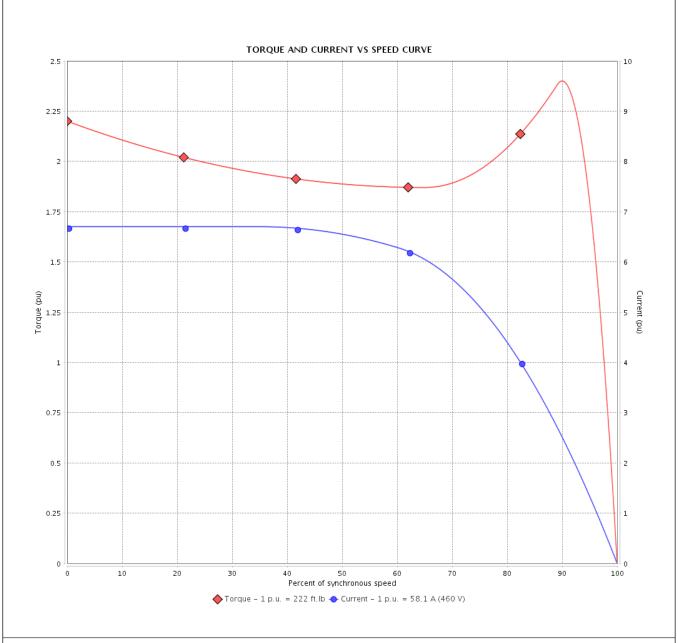
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40



Performance : 230/460 V 60 Hz 6P Rated current : 116/58.1 A Moment of inertia (J) : 23.9 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 222 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K

Rated speed : 1185 rpm Design : B

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

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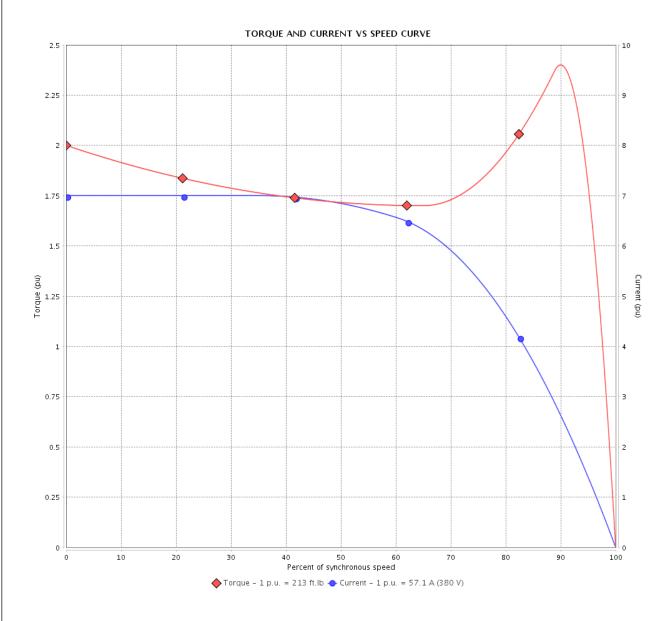
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40



Performance : 380 V 50 Hz 6P IE3 Rated current : 57.1 A Moment of inertia (J) : 23.9 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 213 ft.lb : 1.00 Locked rotor torque : 200 % Service factor : 80 K Breakdown torque : 240 % Temperature rise : B Rated speed : 985 rpm Design

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

LOCKCO TOTOL UITK	. 2	03 (cold) 143 (flot)			
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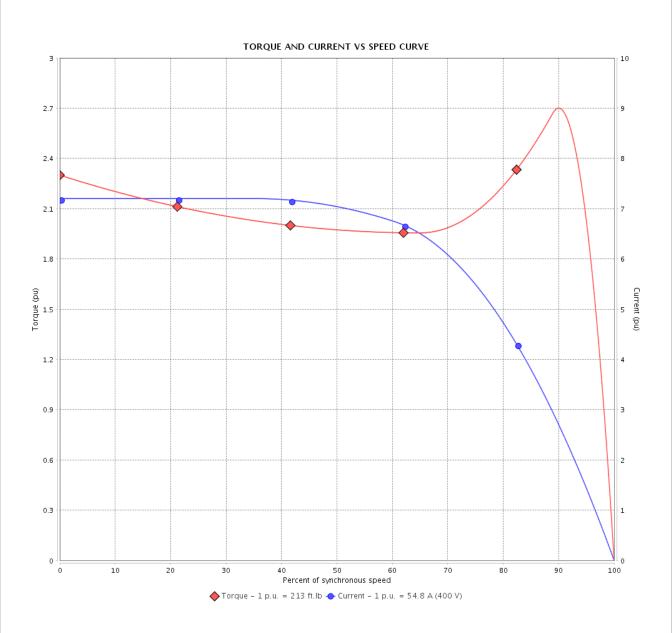
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40



Performance : 400 V 50 Hz 6P IE3 Rated current : 54.8 A Moment of inertia (J) : 23.9 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 213 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 985 rpm Design : B

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

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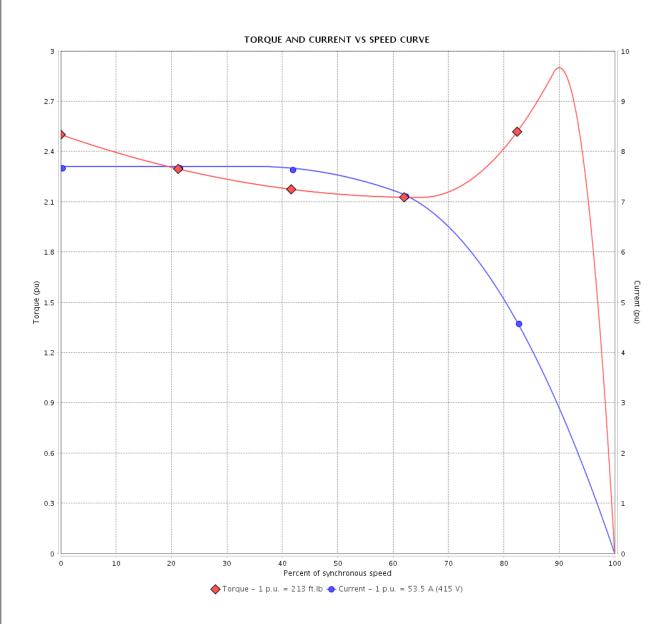


Customer :

Product line : W40 JP Pump NEMA Premium Product code : 14269639

Efficiency Three-Phase

Catalog #: 05012OT3E365JP-W40



Performance	: 415 V 50 Hz 6P IE3			
Rated current	: 53.5 A	Moment of inertia (J)	: 23.9 sq.ft.lb	
LRC	: 7.7	Duty cycle	: Cont.(S1)	
Rated torque	: 213 ft.lb	Insulation class	:F	
Locked rotor torque	: 250 %	Service factor	: 1.00	
Breakdown torque	: 290 %	Temperature rise	: 80 K	
Rated speed	: 985 rpm	Design	: B	

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

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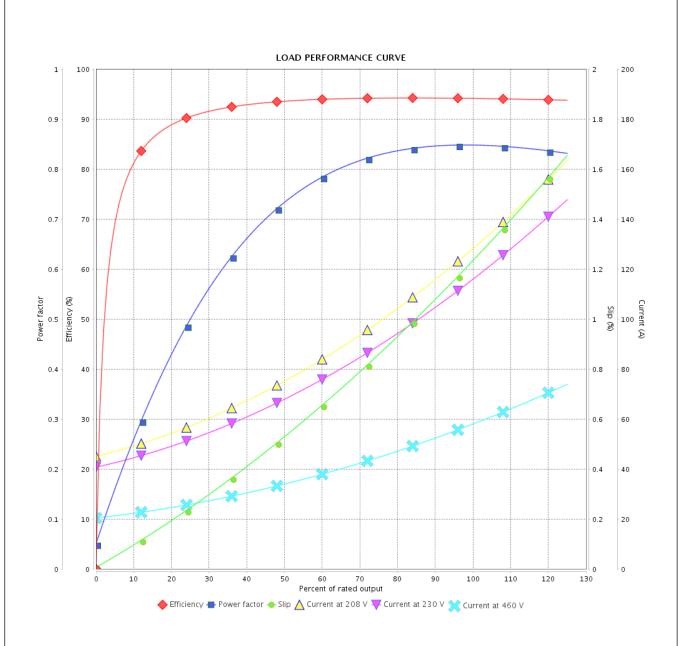
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40



Performance : 230/460 V 60 Hz 6P : 116/58.1 A Rated current Moment of inertia (J) : 23.9 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 222 ft.lb Insulation class Rated torque : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

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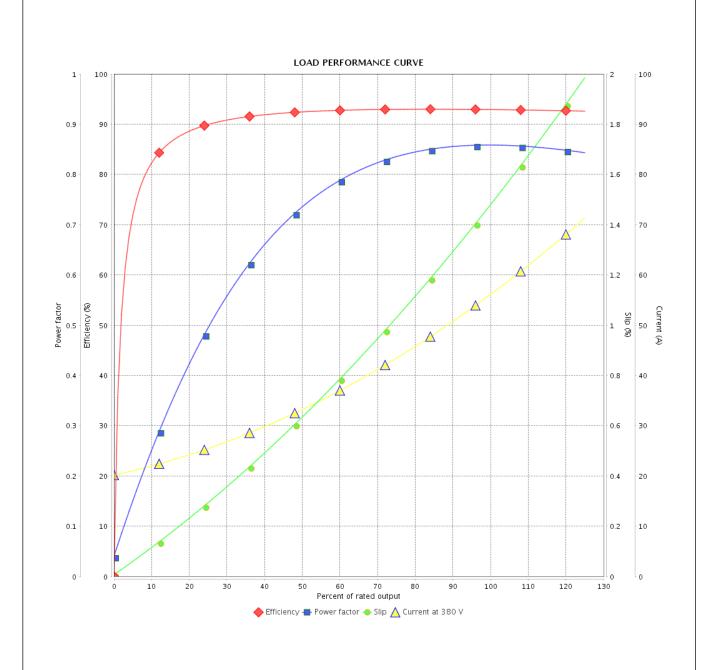
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Product code: 14269639

Catalog #: 05012OT3E365JP-W40

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Performance	: 380 V 50 Hz 6P IE3	30 V 50 Hz 6P IE3				
Rated current LRC	: 57.1 A : 7.0	Moment of inertia (J) Duty cycle		: 23.9 sq.ft.lb : Cont.(S1)		
Rated torque Locked rotor torque	: 213 ft.lb : 200 %	Insulation class Service factor Temperature rise Design		: F : 1.00		
Breakdown torque Rated speed	: 240 % : 985 rpm			: 80 K : B		
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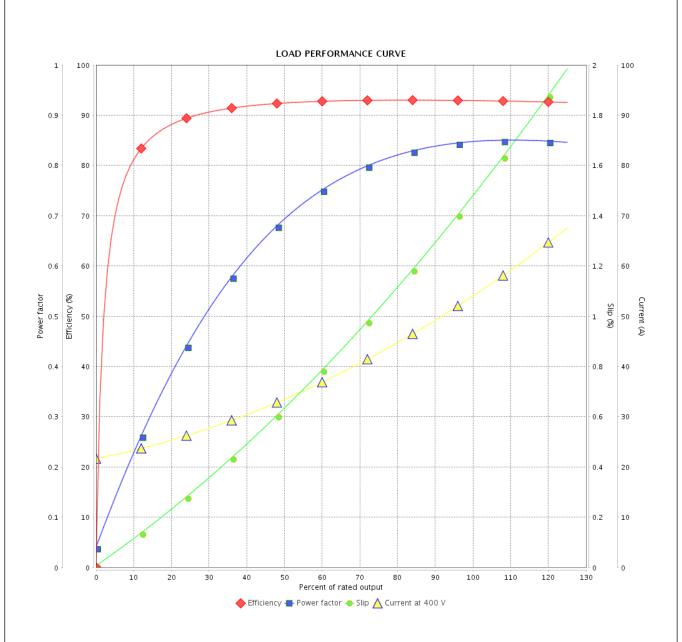
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Product code: 14269639

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Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 54.8 A : 7.2 : 213 ft.lb : 229 % : 270 % : 985 rpm	Moment on Duty cycle Insulation Service fa Temperature Design	class ctor	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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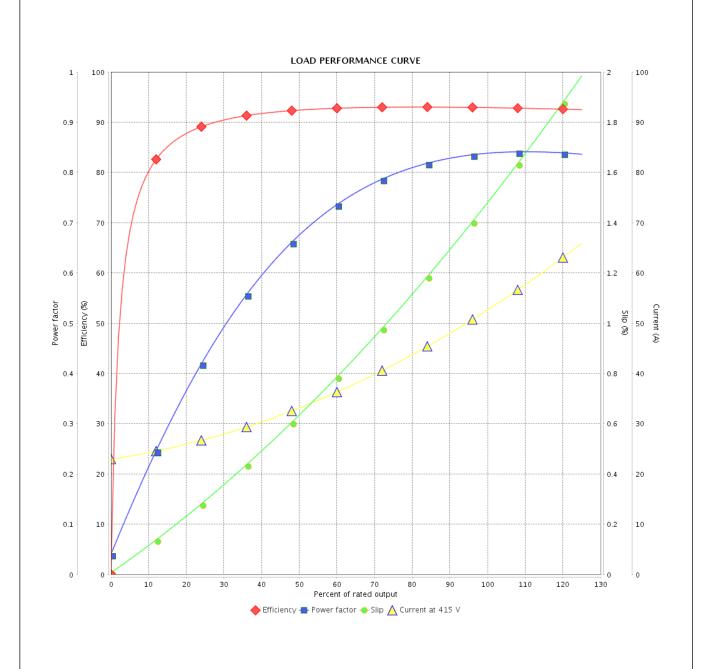
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40



Performance : 415 V 50 Hz 6P IE3						
Rated current	: 5	3.5 A	Moment o	f inertia (J)	: 23.9 sq.ft.lb	
LRC	: 7	.7	Duty cycle	•	: Cont.(S1)	
Rated torque	: 2	13 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 2	50 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie : 2	90 %	% Temperature rise		: 80 K	
Rated speed	: 9	85 rpm	Design	Design		
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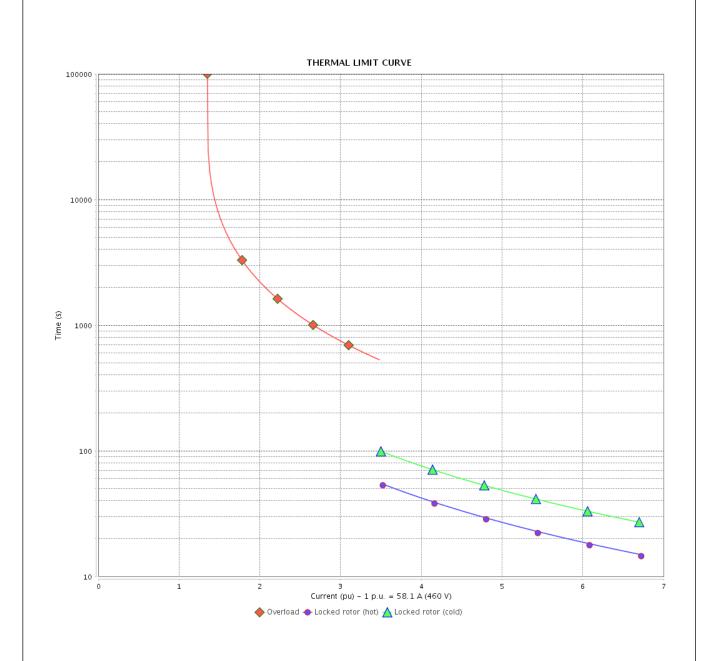


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Product line		: M/40 ID Dump NEMA Drom	ium	Product code :	14269639	
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	iiuiii	Froduct code .	14209039	
		•		Catalog # :	05012OT3E3	65JP-W40
Performance	:	230/460 V 60 Hz 6P				
Rated current	:	116/58.1 A	Moment o	f inertia (J)	: 23.9 sq.ft.lb	
LRC Rated torque		6.7 222 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torc		220 %	Service fa		. r : 1.25	
Breakdown torqu	ie :	240 %	Temperati		: 80 K	
Rated speed	:	1185 rpm	Design		: B	
Heating constant	1					
Cooling constant	· ·					
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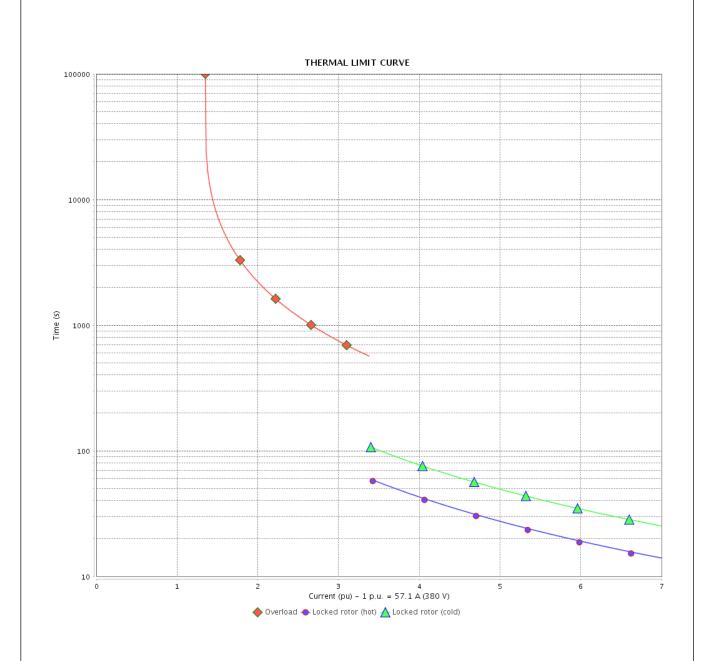


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Product line	: \ E	N40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14269639 05012OT3E3	65JP-W40
				Satalog # .	USUTZOTSES	
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torqu	: 57 : 7. : 2 ^r ue : 20	30 V 50 Hz 6P IE3 7.1 A 0 13 ft.lb 00 % 40 %	Moment of Duty cycle Insulation Service fac Temperatu	class	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K	
Rated speed Heating constant Cooling constant	: 98	35 rpm	Design		: B	
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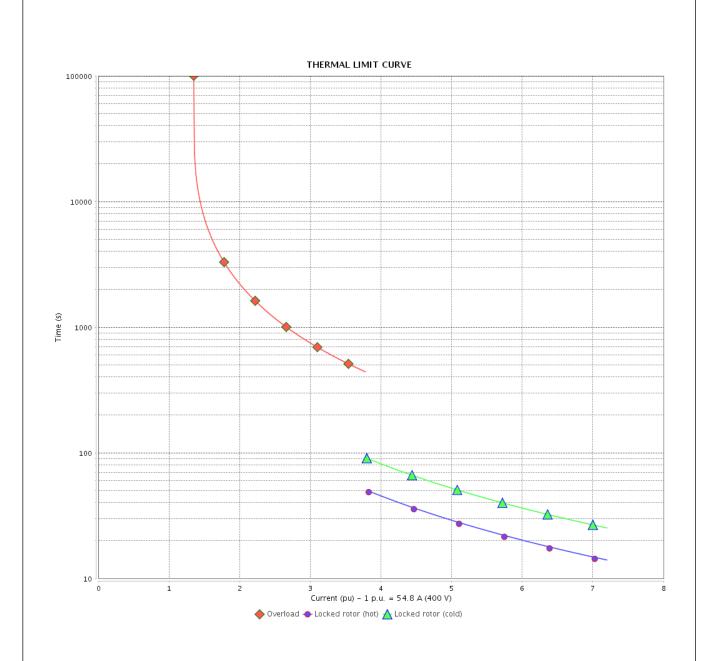


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Product line	: \ E	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14269639 05012OT3E36	65JP-W40
Do who www o w o o	. 44	00 \/ 50 \ = 00 52				
Performance Rated current		00 V 50 Hz 6P IE3 4.8 A	Moment of	f inertia (J)	: 23.9 sq.ft.lb	
LRC	: 7.	.2	Duty cycle		: Cont.(S1)	
Rated torque Locked rotor tord		13 ft.lb 29 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie : 2 [.]	70 %	Temperatu		: 80 K	
Rated speed	: 98	85 rpm	Design		: B	
Heating constan						
Cooling constant	t	Changes Summary	T	Performed	Checked	Date
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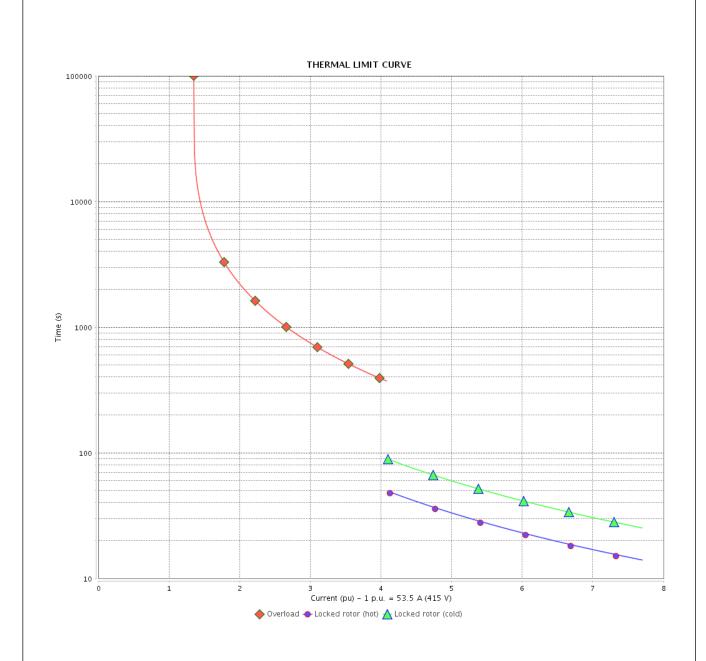


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	ium	Product code :	14269639	
		Elliciticy Three-i hase		Catalog # :	05012OT3E3	65JP-W40
D . (445.7750.11 00.150				
Performance Rated current		415 V 50 Hz 6P IE3 53.5 A	Momont	of inertia (J)	: 23.9 sq.ft.lb	
LRC		7.7	Duty cycle	e inertia (5)	: Cont.(S1)	
Rated torque		213 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		250 % 290 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		985 rpm	Design	dic risc	: B	
Heating constan	t					
Cooling constan						
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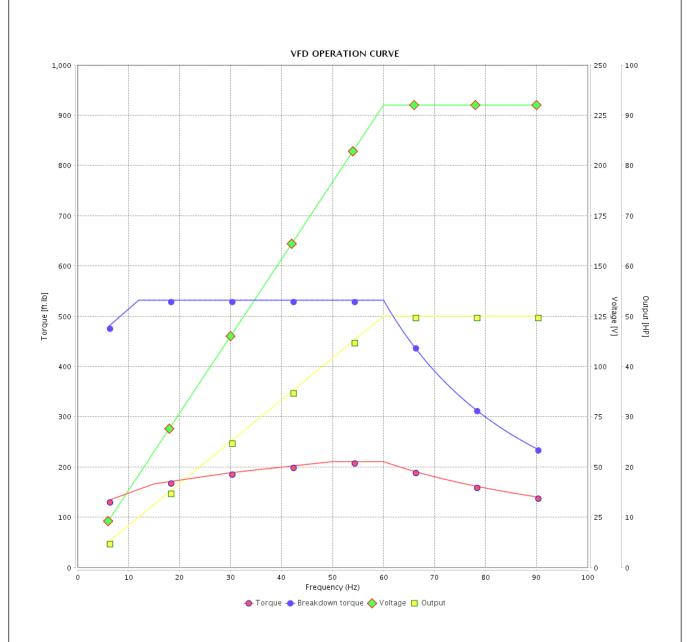
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40



Performance : 230/460 V 60 Hz 6P : 116/58.1 A Rated current Moment of inertia (J) : 23.9 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 222 ft.lb Insulation class Rated torque : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

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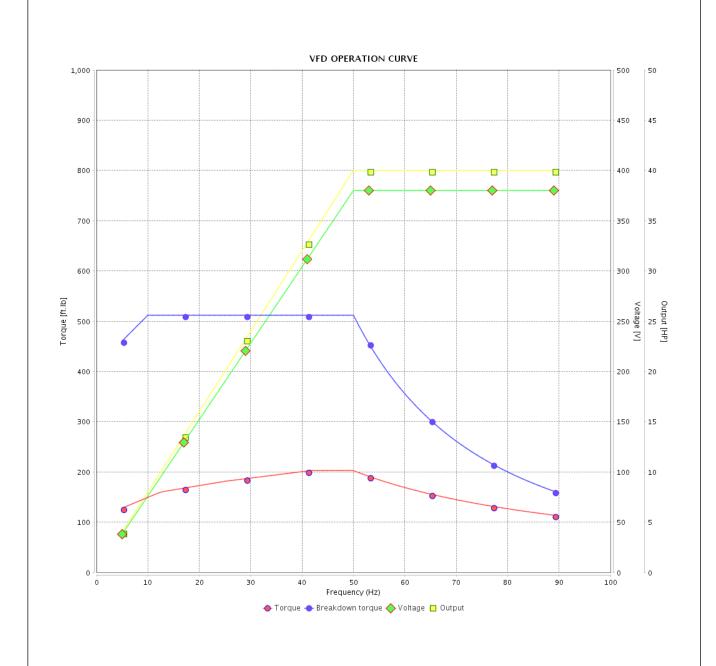
Product line : W40 JP Pump NEMA Premium

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Product code: 14269639

Catalog #: 05012OT3E365JP-W40

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Performance	: 380 V 50 Hz 6P IE3				
Rated current	: 57.1 A Moment of inerti		of inertia (J)	: 23.9 sq.ft.lb	
LRC	: 7.0	Duty cycle	9	: Cont.(S1)	
Rated torque	: 213 ft.lb	Insulation	class	: F	
Locked rotor torque	: 200 %	Temperature rise		: 1.00	
Breakdown torque	: 240 %			: 80 K	
Rated speed	: 985 rpm			: B	
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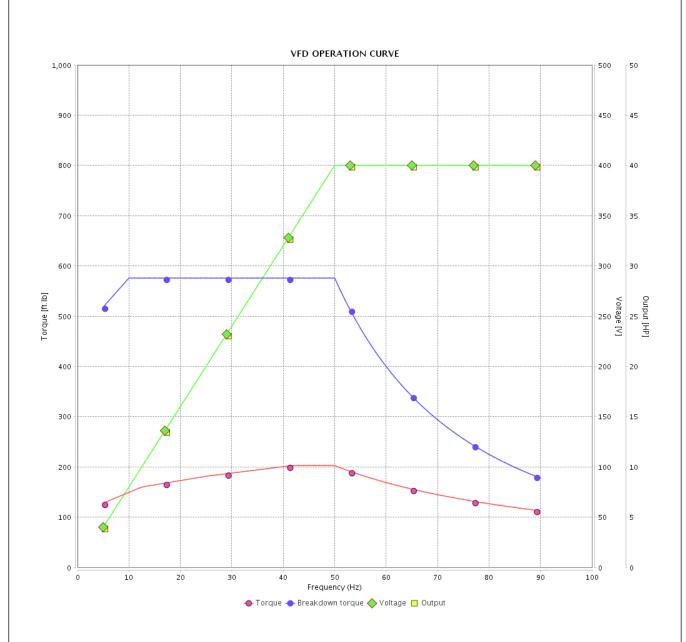
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14269639

Catalog #: 05012OT3E365JP-W40

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Performance	: 400 V 50 Hz 6P IE3				
Rated current	: 54.8 A	Moment of inertia	a (J)	: 23.9 sq.ft.lb	
LRC	: 7.2	Duty cycle		: Cont.(S1)	
Rated torque	: 213 ft.lb	Insulation class		:F ` ´	
Locked rotor torque	: 229 %	Service factor		: 1.00	
Breakdown torque	: 270 %	Temperature rise		: 80 K	
Rated speed	: 985 rpm	Design		: B	
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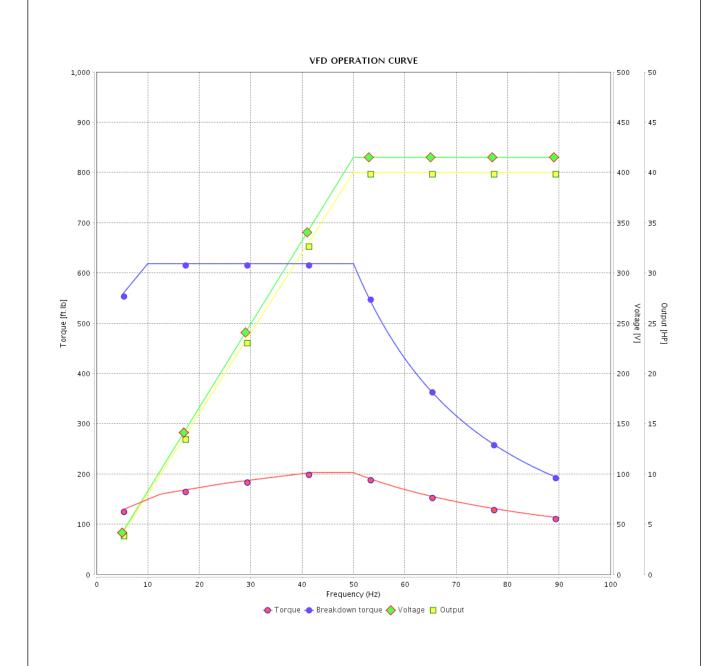
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Performance	: 4	: 415 V 50 Hz 6P IE3				
Rated current : 53.5 A		Moment o	Moment of inertia (J)			
LRC	: 7.	.7	Duty cycle		: Cont.(S1)	
Rated torque	: 2	13 ft.lb	Insulation	class	: F	
Locked rotor torg	jue : 2:	50 %	Service fa	actor	: 1.00	
Breakdown torqu	ie : 29	90 %	Temperature rise		: 80 K	
		85 rpm	Design		: B	
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