DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium

-i-----There Dhane

Efficiency Three-Phase

Product code: 14023475

Catalog # : 10036OT3E365JP-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

Rotation : Both (CW and CCW)

Starting method : Direct On Line Approx. weight³ : 763 lb

Moment of inertia (J) : 7.20 sq.ft.lb

Design		Women or an		=0 04	
	: B				
	100	75	75	75	
	2	2	2 2		
	60	50	50	50	
	230/460	380	400	415	
	232/116	103	100	97.8	
	1531/766	773	800	773	
	6.6x(Code G)	7.5x(Code H)	8.0x(Code J)	7.9x(Code J)	
	59.0/29.5	28.5	32.5	35.0	
1]	3555	2960	2964	2967	
Slip [%]		1.33	1.20	1.10	
Rated torque [ft.lb]		133 133		133	
Locked rotor torque [%]		220	240	250	
Breakdown torque [%]		260	280	320	
	1.25	1.00 1.00		1.00	
	80 K	80 K	80 K 80 K		
	23s (cold) 13s (hot)	19s (cold) 11s (hot)	18s (cold) 10s (hot)	19s (cold) 11s (hot)	
	84.0 dB(A)				
25%	92.2	88.0	88.2	88.2	
50%	92.4	90.2	90.3	90.3	
75%	93.6	91.9	92.0	92.0	
100%		94.3	94.3	94.3	
25%	0.55	0.53	0.47	0.47	
50%	0.77	0.74	0.69	0.70	
75%	0.84	0.83	0.78	0.80	
100%	0.87	0.86	0.84	0.83	
	25% 50% 75% 100% 25% 50% 75%	: B 100 2 60 230/460 232/116 1531/766 6.6x(Code G) 59.0/29.5 1] 3555 1.25 148 e [%] 180 [%] 229 1.25 80 K 23s (cold) 13s (hot) 84.0 dB(A) 25% 92.2 50% 92.4 75% 93.6 100% 93.6 25% 0.55 50% 0.77 75% 0.84	: B 100 75 2 2 60 50 230/460 380 232/116 103 1531/766 773 6.6x(Code G) 7.5x(Code H) 59.0/29.5 28.5 1] 3555 2960 1.25 1.33 148 133 e [%] 180 220 [%] 229 260 1.25 1.00 80 K 80 K 23s (cold) 13s (hot) 19s (cold) 11s (hot) 84.0 dB(A) 25% 92.2 88.0 50% 92.4 90.2 75% 93.6 91.9 100% 93.6 94.3 25% 0.55 0.53 50% 0.77 0.74 75% 0.84 0.83	100 75 75 75 2 2 2 2 2 2 2 2 2	

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6314 C3 6212 Z C3 Max. tra
Sealing : Without Without Max. cc

Bearing Seal Bearing Seal

Lubrication interval : 14418 h 20000 h
Lubricant amount : 27 g 13 g
Lubricant type : Mobil Polyrex EM

Max. traction : 1074 lb Max. compression : 1837 lb

Notes

USABLE @208V 257A SF 1.15 SFA 295A

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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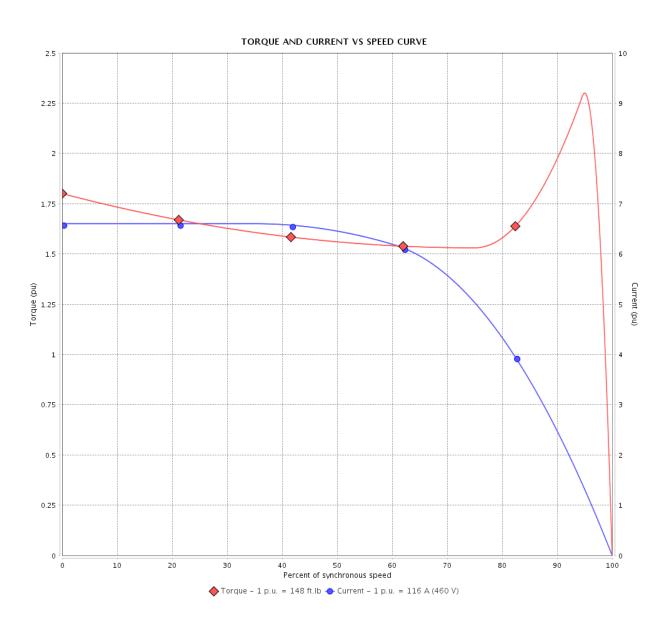
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40



Performance : 230/460 V 60 Hz 2P Rated current : 232/116 A Moment of inertia (J) : 7.20 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 148 ft.lb : F Service factor Locked rotor torque : 180 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 3555 rpm Design : B

Locked rotor time : 23s (cold) 13s (hot)

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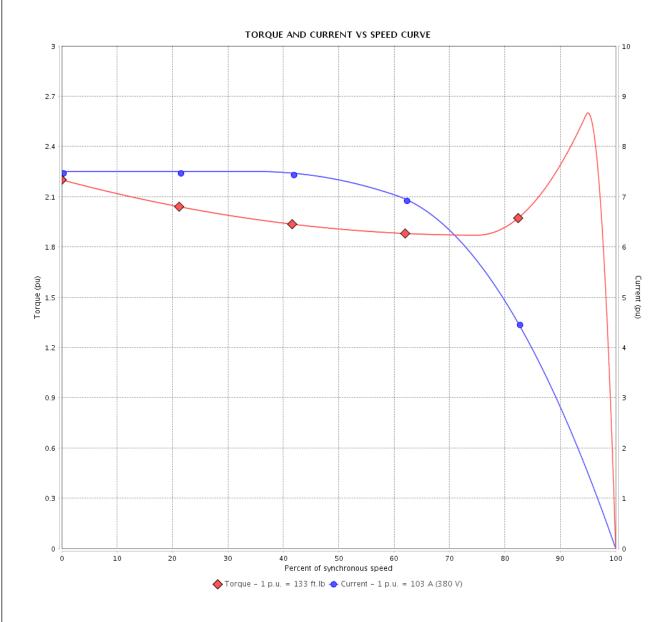
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40



Performance : 380 V 50 Hz 2P IE3 Rated current : 103 A Moment of inertia (J) : 7.20 sq.ft.lb **LRC** : 7.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 133 ft.lb : F Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K : B Rated speed : 2960 rpm Design

Locked rotor time : 19s (cold) 11s (hot)

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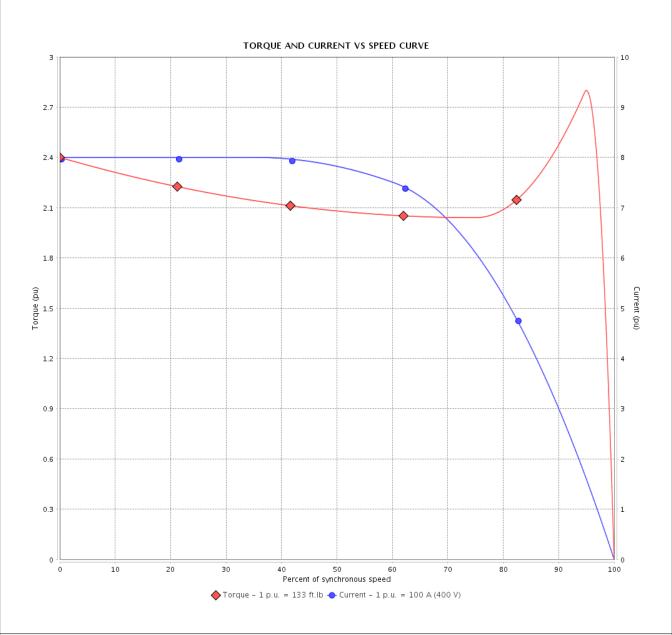
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40



Performance : 400 V 50 Hz 2P IE3 Rated current : 100 A Moment of inertia (J) : 7.20 sq.ft.lb **LRC** : 8.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 133 ft.lb : F Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 2964 rpm Design : B

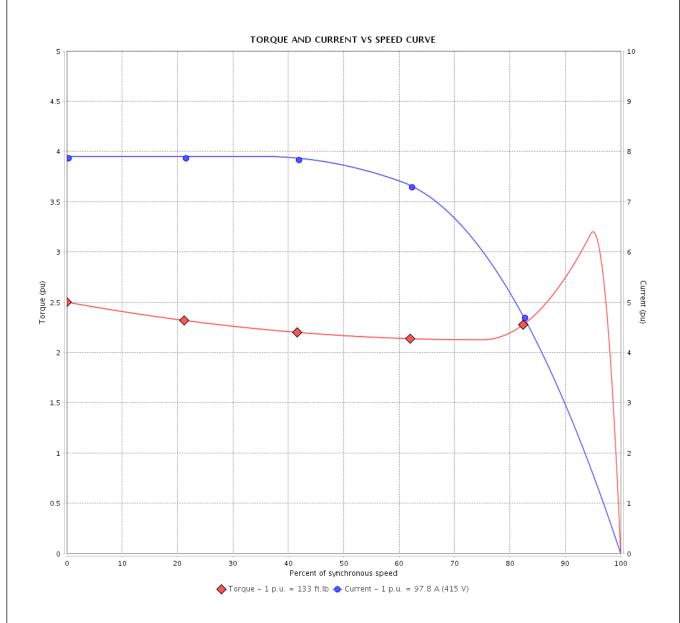
Locked rotor time : 18s (cold) 10s (hot)

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Customer Product line : W40 JP Pump NEMA Premium Product code: 14023475 Efficiency Three-Phase Catalog #: 10036OT3E365JP-W40



Performance	: 415 V 50 Hz 2P IE3			
Rated current	: 97.8 A	Moment of inertia (J)	: 7.20 sq.ft.lb	
LRC	: 7.9	Duty cycle	: Cont.(S1)	
Rated torque	: 133 ft.lb	Insulation class	: F	
Locked rotor torque	: 250 %	Service factor	: 1.00	
Breakdown torque	: 320 %	Temperature rise	: 80 K	
Rated speed	: 2967 rpm	Design	: B	
Locked rotor time	: 19s (cold) 11s (hot)			

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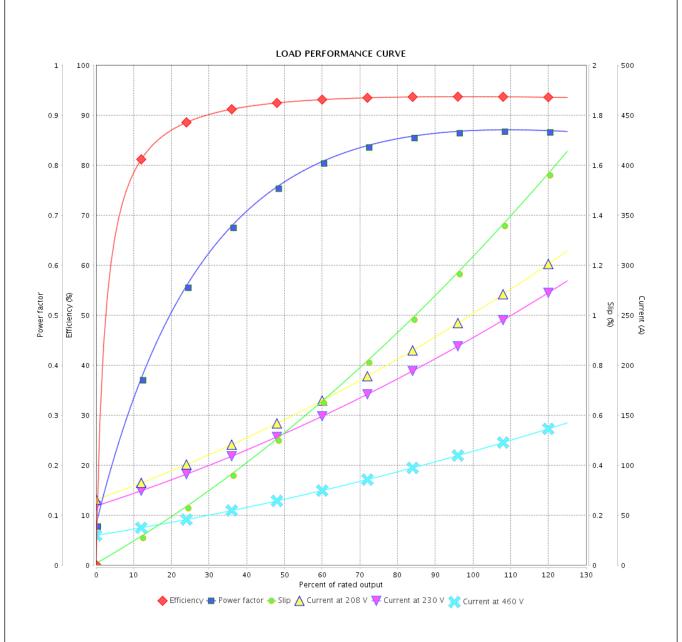
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40

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Performance	: 230/460 V 60 Hz 2P			
Rated current	: 232/116 A	Moment of inertia (J)	: 7.20 sq.ft.lb	
LRC	: 6.6	Duty cycle	: Cont.(S1)	
Rated torque	: 148 ft.lb	Insulation class	: F	
Locked rotor torque	: 180 %	Service factor	: 1.25	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 3555 rpm	Design	: B	
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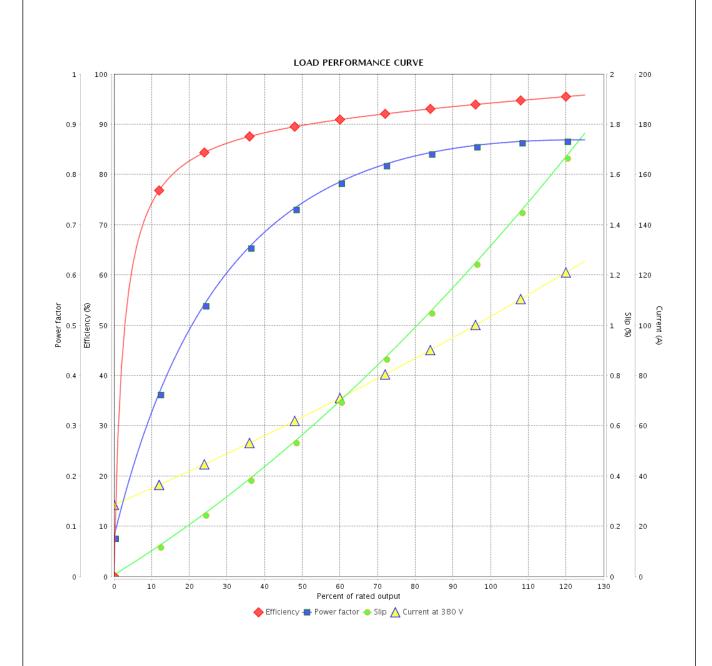
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40

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Performance	: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 103 A : 7.5 : 133 ft.lb : 220 % : 260 % : 2960 rpm	Moment of inertia (J) : 7.20 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K Design : B			
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

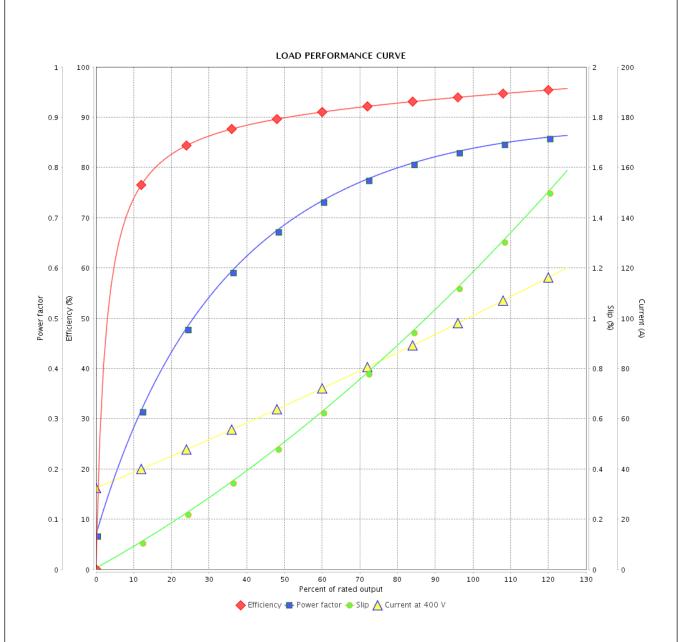
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Performance	: 4	00 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 8 : 1 que : 2 ue : 2	00 A .0 33 ft.lb 40 % 80 % 964 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ector	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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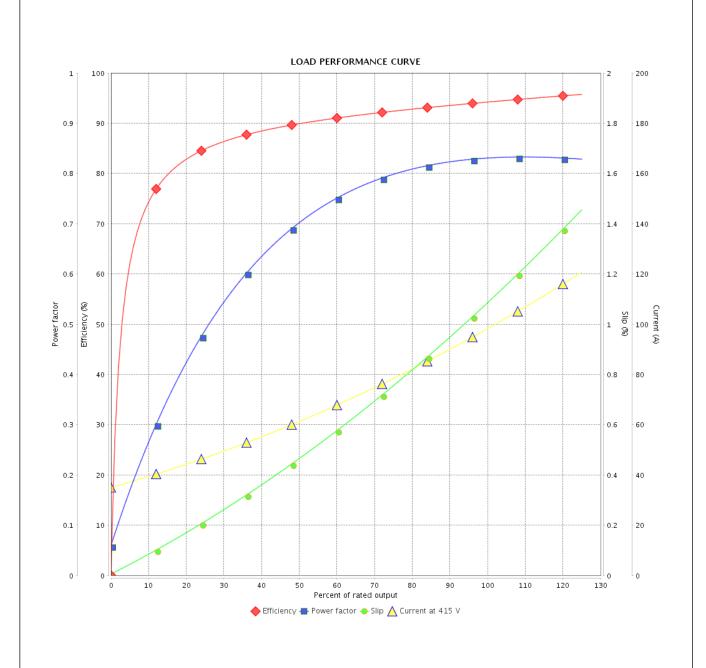
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40



Performance	. 1	15 V 50 Hz 2P IE3	,			
Rated current	: 9	7.8 A	Moment o	f inertia (J)	: 7.20 sq.ft.lb	
LRC	: 7	.9	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	33 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	50 %	Service fa	ctor	: 1.00	
Breakdown torque	: 3	20 %	Temperati	Temperature rise		
Rated speed	: 2	Design		: B		
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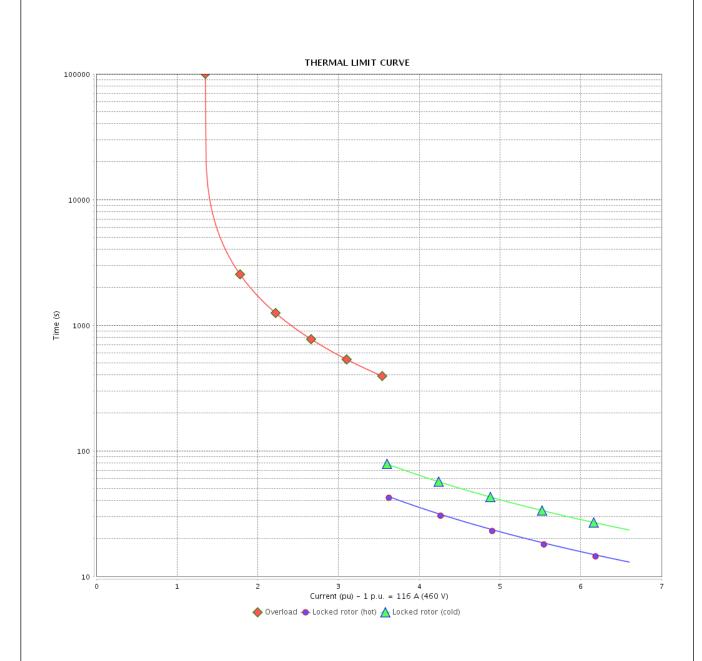


Customer		:			,	
Product line		: M/40 ID Dump NEMA Drom	ium	Product code :	14023475	
1 roduct mic		: W40 JP Pump NEMA Prem Efficiency Three-Phase	iiuiii	Froduct code .	14023475	
		•		Catalog # :	10036OT3E3	65JP-W40
Performance	:	230/460 V 60 Hz 2P				
Rated current	:	232/116 A	Moment o	f inertia (J)	: 7.20 sq.ft.lb	
LRC		6.6	Duty cycle	•	: Cont.(S1)	
Rated torque Locked rotor torc		148 ft.lb 180 %	Insulation Service fa		: F : 1.25	
Breakdown torqu	ie :	229 %	Temperati		: 80 K	
Rated speed		3555 rpm	Design		: B	
Heating constant						
Cooling constant						
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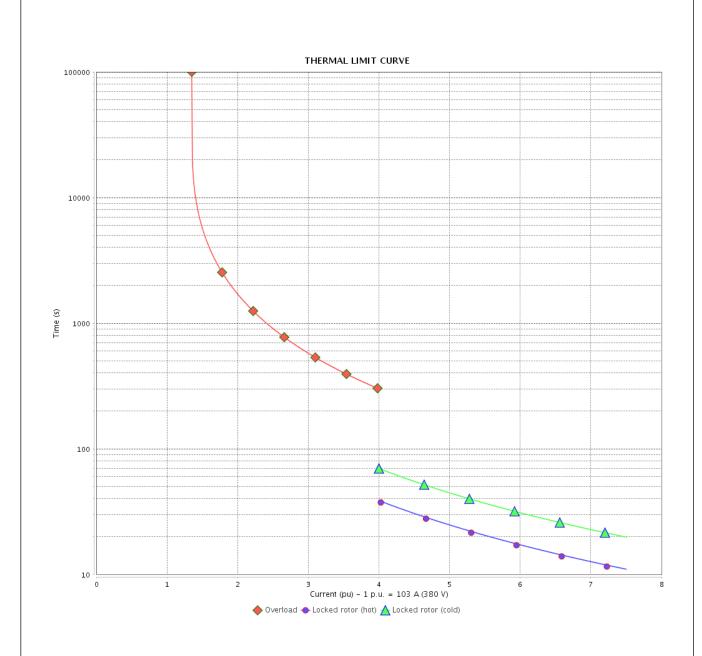


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14023475 10036OT3E36	65JP-W40
Performance		380 V 50 Hz 2P IE3				
Rated current		103 A	Moment o	of inertia (J)	: 7.20 sq.ft.lb	
LRC		7.5 133 ft.lb	Duty cycle Insulation	9	: Cont.(S1)	
Rated torque Locked rotor torq		220 %	Service fa		: F : 1.00	
Breakdown torqu	ie :	260 %	Temperati		: 80 K : B	
Rated speed		2960 rpm	Design		. D	
Heating constant Cooling constant						
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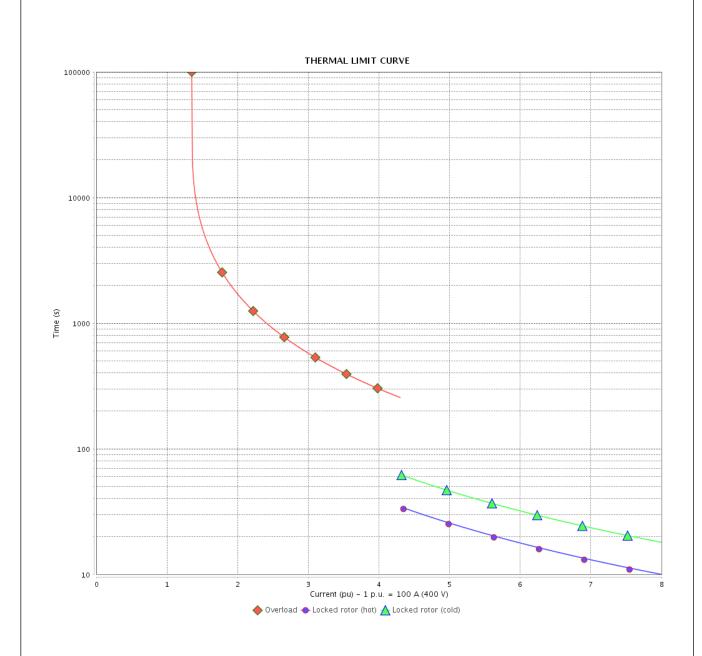


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14023475 10036OT3E36	65JP-W40
Performance	:	: 400 V 50 Hz 2P IE3				
Rated current LRC		: 100 A : 8.0	Moment of Duty cycle	of inertia (J)	: 7.20 sq.ft.lb : Cont.(S1)	
Rated torque	:	: 133 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 240 % : 280 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		: 2964 rpm	Design	u. 3 1100	: B	
Heating constan						
Cooling constant	t					
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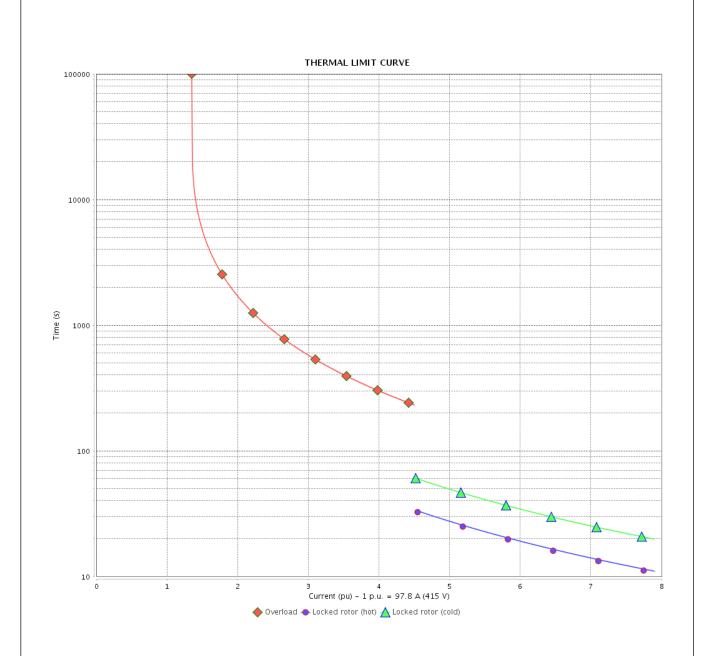


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14023475 10036OT3E3	65JP-W40
Performance		: 415 V 50 Hz 2P IE3	N.4	Character (IV	7.00	
Rated current LRC		: 97.8 A : 7.9	Duty cycle		: 7.20 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 133 ft.lb : 250 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ue	: 320 %	Temperat		: 80 K	
Rated speed		: 2967 rpm	Design		: B	
Heating constant						
Cooling constant		Changes Summary		Performed	Checked	Date
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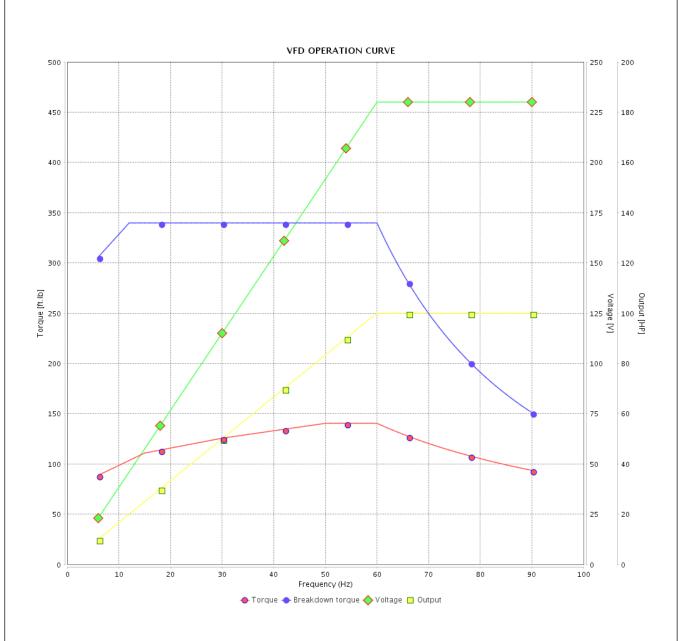
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40

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Performance	: 23	30/460 V 60 Hz 2P)			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6. : 14 ue : 18 e : 22	32/116 A 6 88 ft.lb 80 % 99 % 555 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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Three Phase Induction Motor - Squirrel Cage



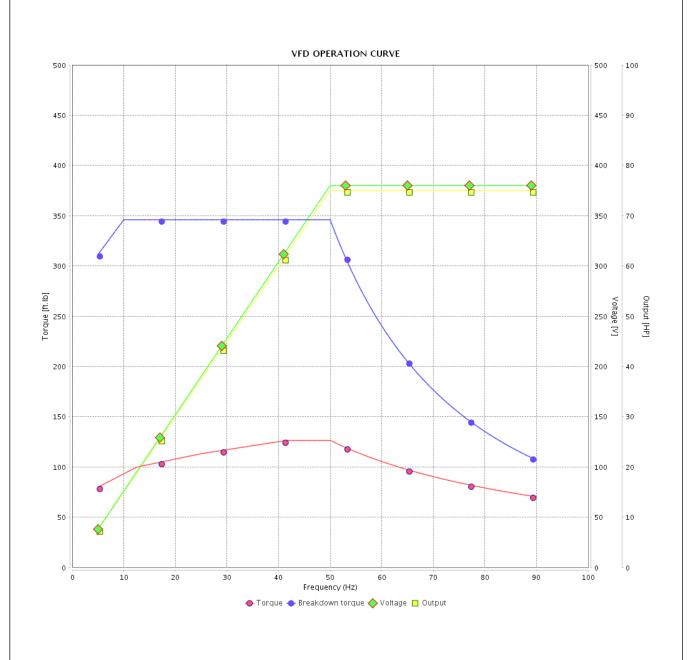
Customer

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Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40



Performance	: 38	80 V 50 Hz 2P IE3				
Rated current LRC Rated torque	: 7.	03 A .5 33 ft.lb	Duty cycle		: 7.20 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	ie : 20	20 % 60 % 960 rpm		Service factor Temperature rise		
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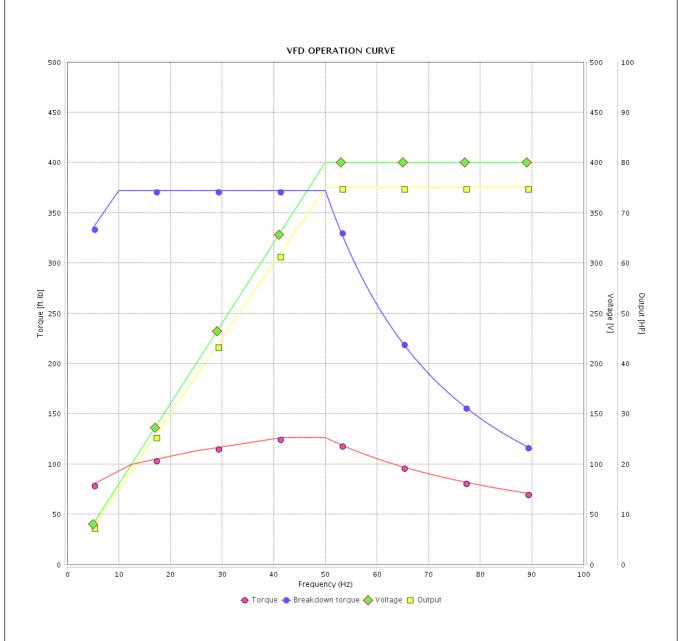
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40

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Performance	: 400 V 50 Hz 2P IE3				
Rated current	: 100 A	Moment of inertia (J)		: 7.20 sq.ft.lb	
LRC	: 8.0	Duty cycle	•	: Cont.(S1)	
Rated torque	: 133 ft.lb	Insulation	class	: F	
Locked rotor torque	: 240 %	Service fa	ctor	: 1.00	
Breakdown torque	: 280 %	Temperature rise		: 80 K	
Rated speed	: 2964 rpm	Design		: B	
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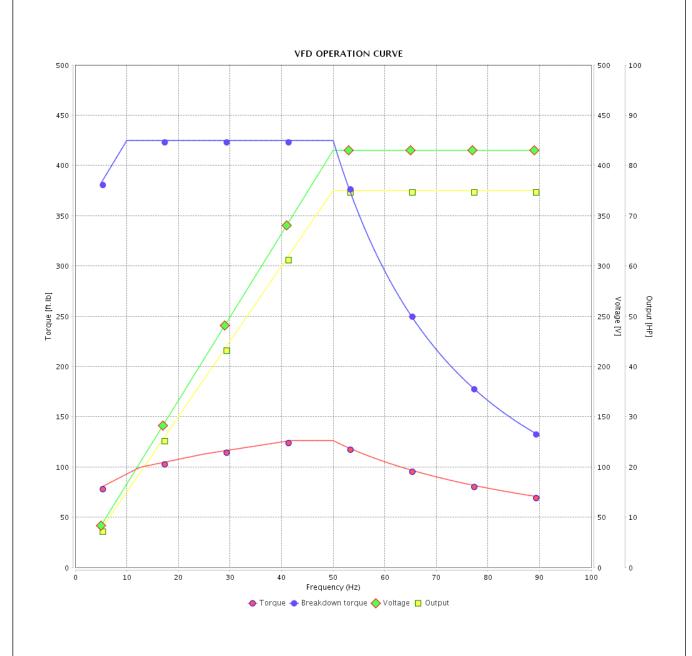
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023475

Catalog #: 10036OT3E365JP-W40

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Performance	: 415 V 50 Hz 2P IE3				
Rated current : 97.8 A Moment of inertia (J) LRC : 7.9 Duty cycle Rated torque : 133 ft.lb Insulation class Locked rotor torque : 250 % Service factor Breakdown torque : 320 % Temperature rise Rated speed : 2967 rpm Design		class ctor	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
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