DATA SHEET

Three Phase Induction Motor - Squirrel Cage



94.2

94.2

0.40

0.66

0.77

0.83

Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog # : 07518OT3E365JP-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 : 796 lb

Moment of inertia (J) : 16.8 sq.ft.lb

Design : B Output [HP] 75 60 60 60 Poles 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 415 400 Rated current [A] 171/85.5 84.4 82.1 80.1 L. R. Amperes [A] 1163/581 609 599 591 7.1x(Code H) 7.2x(Code H) 7.6x(Code J) LRC [A] 6.8x(Code G) No load current [A] 61.0/30.5 28.5 33.7 36.1 Rated speed [RPM] 1780 1480 1482 1484 Slip [%] 1.11 1.33 1.20 1.07 Rated torque [ft.lb] 221 213 213 212 Locked rotor torque [%] 220 200 229 250 Breakdown torque [%] 260 240 260 280 Service factor 1.25 1.00 1.00 1.00 Temperature rise 80 K 80 K 80 K 80 K Locked rotor time 25s (cold) 14s (hot) 23s (cold) 13s (hot) 23s (cold) 13s (hot) 23s (cold) 13s (hot) Noise level² 69.0 dB(A) 25% 94.4 93.7 93.7 93.7 50% 94.5 93.8 93.8 93.8 Efficiency (%)

Drive end Non drive end Foundation

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

75%

100%

25%

50%

75%

100%

Bearing Seal Bearing Seal

95.0

95.0

0.48

0.73

0.82

0.85

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

Foundation loads

94.2

94.2

0.48

0.73

0.82

0.86

Max. traction : 1639 lb Max. compression : 2435 lb

94.2

94.2

0.43

0.69

0.80

0.84

Notes

Power Factor

USABLE @208V 189A SF 1.15 SFA 217A

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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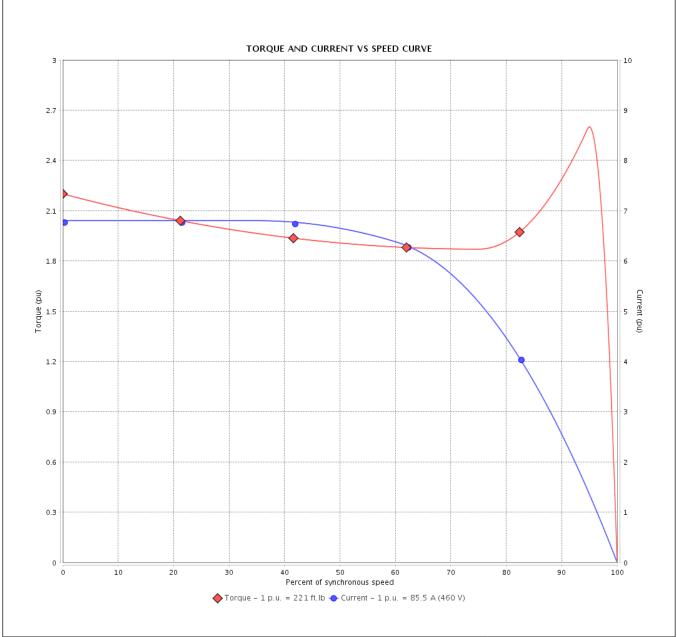
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance : 230/460 V 60 Hz 4P Rated current : 171/85.5 A Moment of inertia (J) : 16.8 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

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

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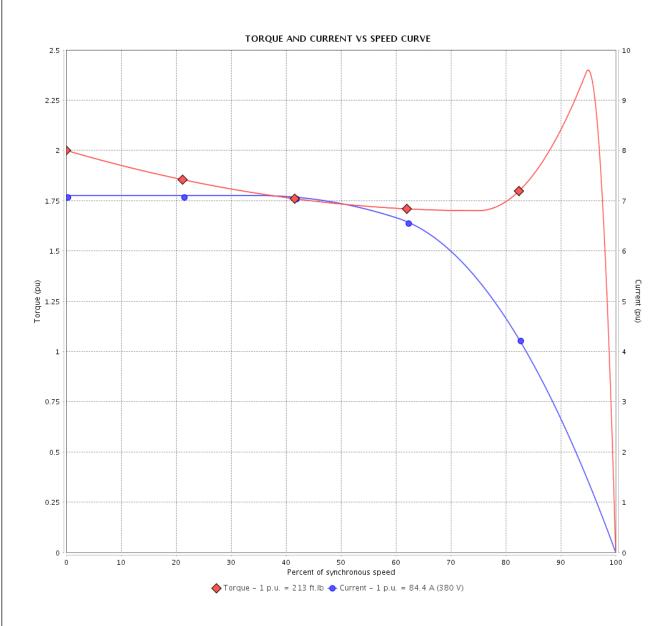
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance	: 380 V 50 Hz 4P IE3		
Rated current	: 84.4 A	Moment of inertia (J)	: 16.8 sq.ft.lb
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 213 ft.lb	Insulation class	:F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1480 rpm	Design	: B
Locked rotor time	· 23s (cold) 13s (hot)		

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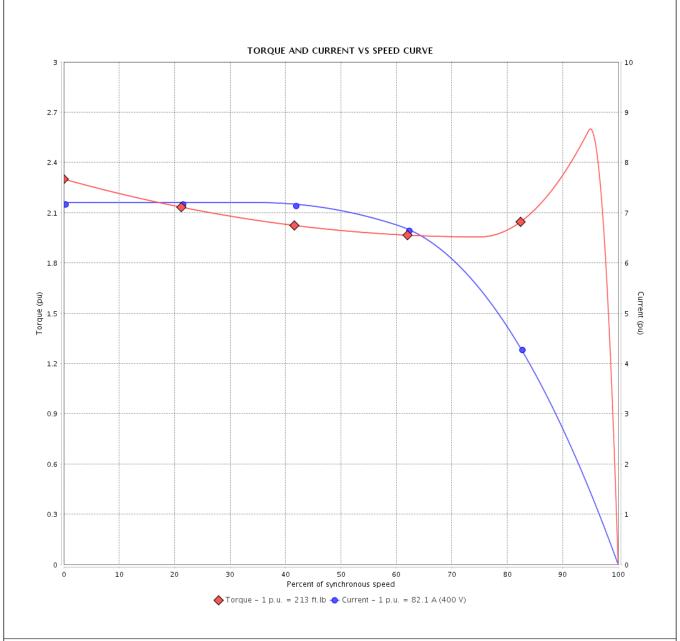
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 82.1 A Moment of inertia (J) : 16.8 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 : 260 % Temperature rise : 80 K Rated speed : 1482 rpm Design : B

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

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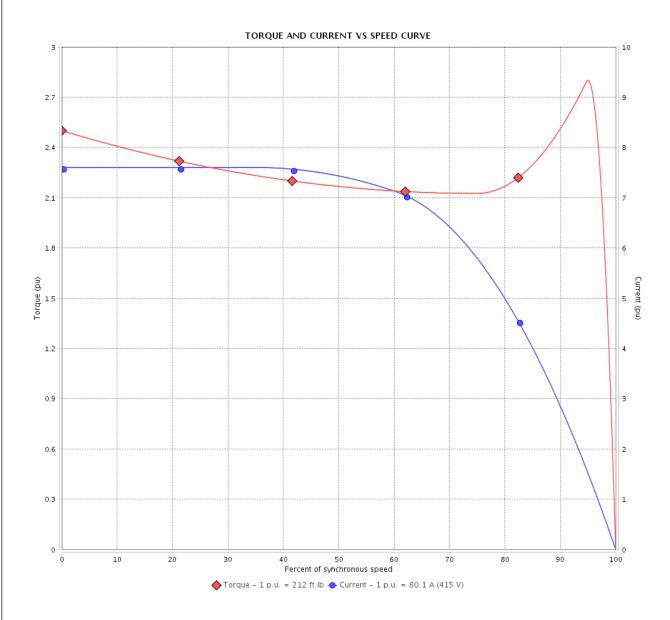
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 80.1 A	Moment of inertia (J)	: 16.8 sq.ft.lb	
LRC	: 7.6	Duty cycle	: Cont.(S1)	
Rated torque	: 212 ft.lb	Insulation class	:F	
Locked rotor torque	: 250 %	Service factor	: 1.00	
Breakdown torque	: 280 %	Temperature rise	: 80 K	
Rated speed	: 1484 rpm	Design	: B	
Locked rotor time	: 23s (cold) 13s (hot)			

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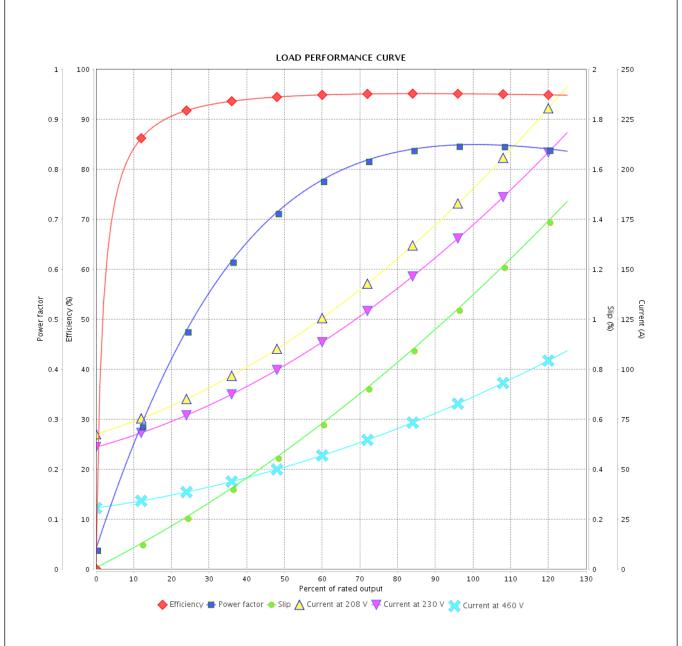
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance : 230/460 V 60 Hz 4P : 171/85.5 A Rated current Moment of inertia (J) : 16.8 sq.ft.lb **LRC** Duty cycle : 6.8 : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

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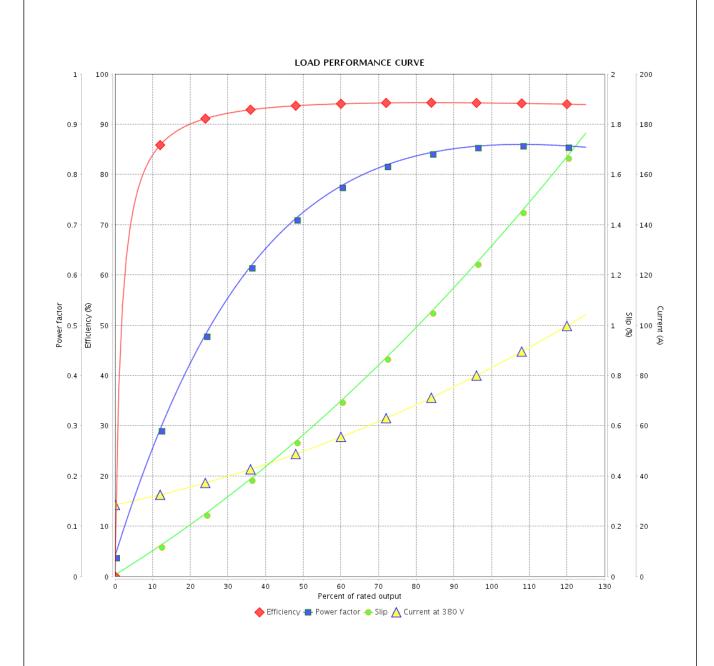
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance		80 V 50 Hz 4P IE3				
Rated current	: 8	34.4 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb	
LRC	: 7	'.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 2	13 ft.lb	Insulation	class	: F	
Locked rotor torque		.00 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	40 %	Temperati	Temperature rise		
Rated speed	: 1	480 rpm	Design		: B	
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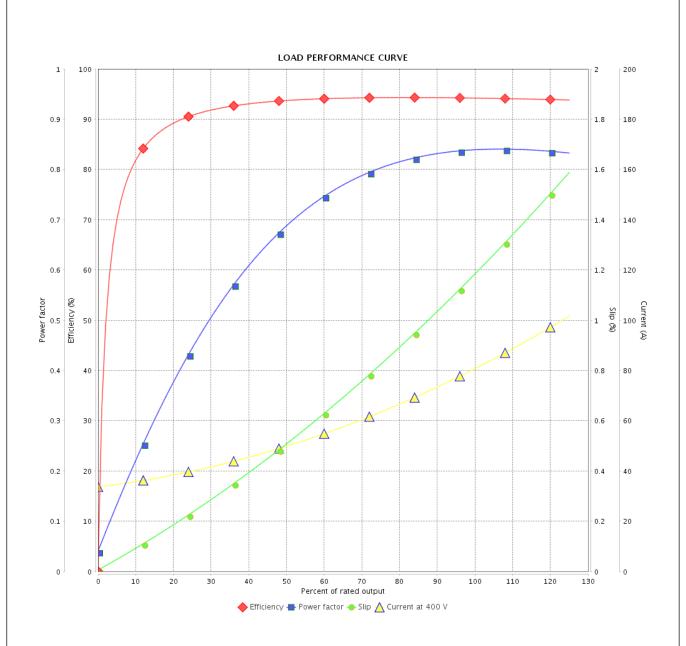
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

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Performance : 400 V 50 Hz 4P IE3 Rated current : 82.1 A Moment of inertia (J) : 16.8 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 : 260 % Temperature rise : 80 K Rated speed : 1482 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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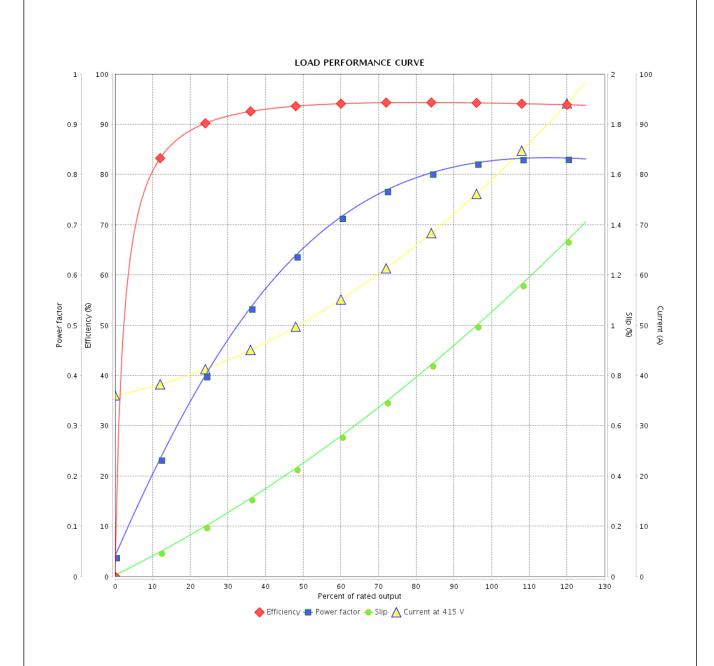
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance	: 4	115 V 50 Hz 4P IE3				
Rated current	: 8	30.1 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb	
LRC	: 7	7.6	Duty cycle	}	: Cont.(S1)	
Rated torque	: 2	212 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	250 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	280 %	Temperature rise		: 80 K	
Rated speed	: 1	1484 rpm	Design		: B	
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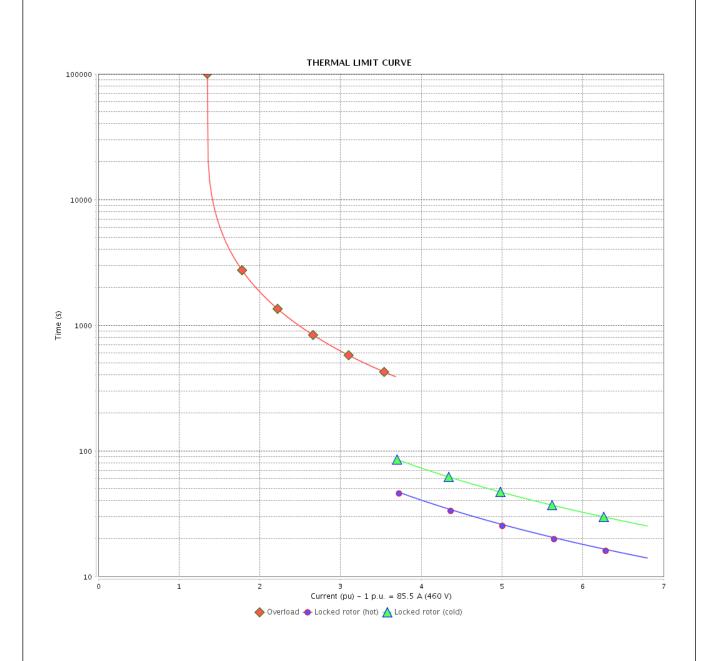


Customer	:					
Product line	:' E	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14023476 07518OT3E36	65JP-W40
Performance	. 2	30/460 V 60 Hz 4P				
Rated current		71/85.5 A	Moment of	finertia (J)	: 16.8 sq.ft.lb	
LRC	: 6	.8	Duty cycle		: Cont.(S1)	
Rated torque Locked rotor tord		21 ft.lb 20 %	Insulation Service fac		: F : 1.25	
Breakdown torqu		60 %	Temperatu		: 80 K	
Rated speed	: 1	780 rpm	Design		: B	
Heating constant						
Cooling constant	L	Changes Summary		Performed	Checked	Date
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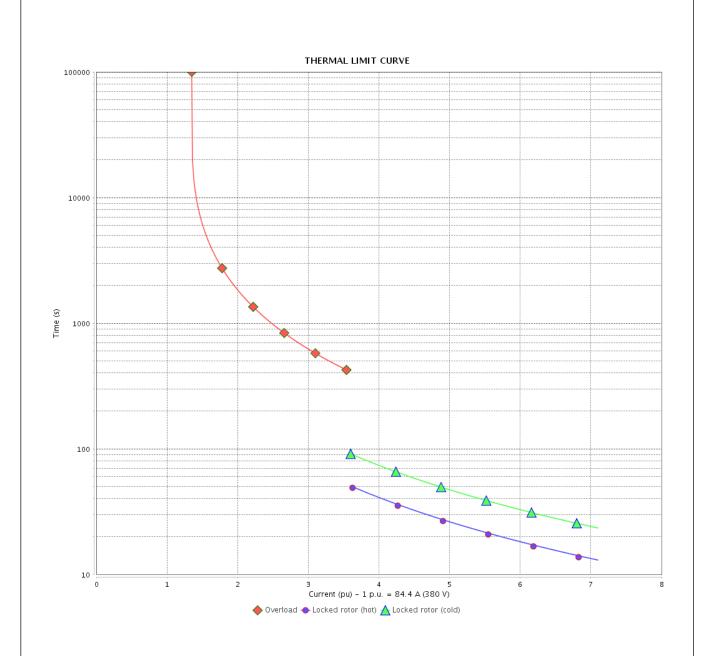


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14023476 075180T3E36	65JP-W40
Performance		380 V 50 Hz 4P IE3				
Rated current LRC	:	84.4 A 7.1	Duty cycle		: 16.8 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		213 ft.lb 200 %	Insulation Service fa		: F : 1.00	
Breakdown torqu		240 %	Temperati		: 1.00 : 80 K	
Rated speed		1480 rpm	Design		: B	
Heating constant						
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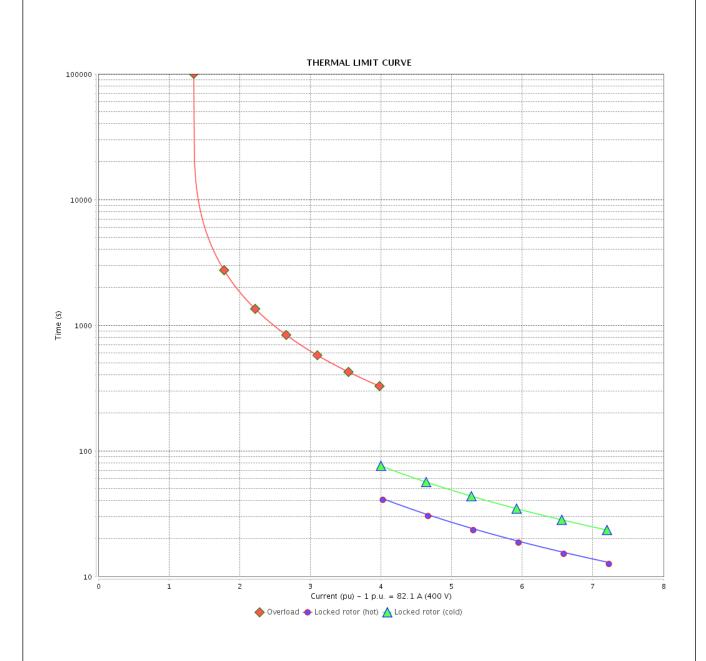


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14023476 07518OT3E3	35.JP-W40
Performance		: 400 V 50 Hz 4P IE3				
Rated current	:	: 82.1 A	Moment o	of inertia (J)	: 16.8 sq.ft.lb	
LRC Rated torque		: 7.2 : 213 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	que :	: 229 %	Service fa	ictor	: 1.00	
Breakdown torqu Rated speed		: 260 % : 1482 rpm	Temperati Design	ure rise	: 80 K : B	
Heating constan	t					
Cooling constant	t					
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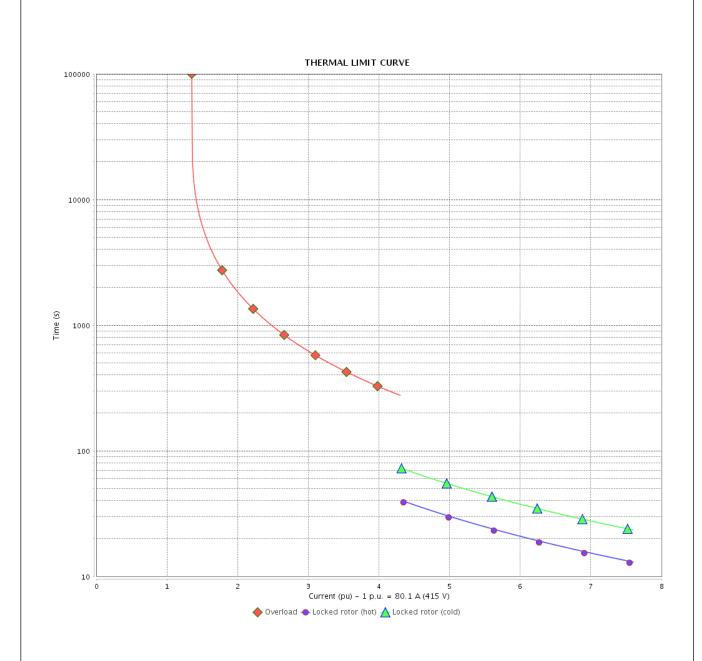


Customer	:			
Product line	: W40 JP Pump NEMA Prem Efficiency Three-Phase	ium Product code : Catalog # :	14023476 07518OT3E3	865JP-W40
Performance	: 415 V 50 Hz 4P IE3			
Rated current LRC Rated torque	: 80.1 A : 7.6 : 212 ft.lb	Moment of inertia (J) Duty cycle Insulation class	: 16.8 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 250 % : 280 % : 1484 rpm	Service factor Temperature rise Design	: 1.00 : 80 K : B	
Heating constant				
Cooling constant Rev.	Changes Summary	Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



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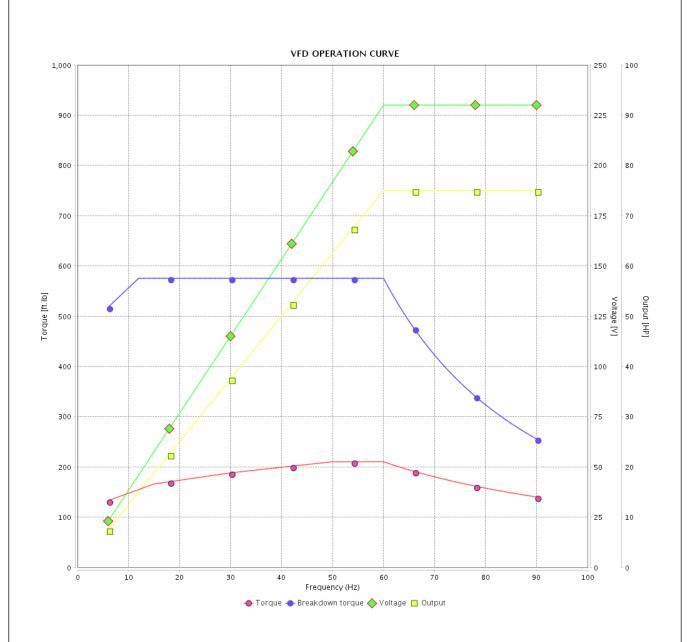
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance : 230/460 V 60 Hz 4P : 171/85.5 A Rated current Moment of inertia (J) : 16.8 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

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Three Phase Induction Motor - Squirrel Cage



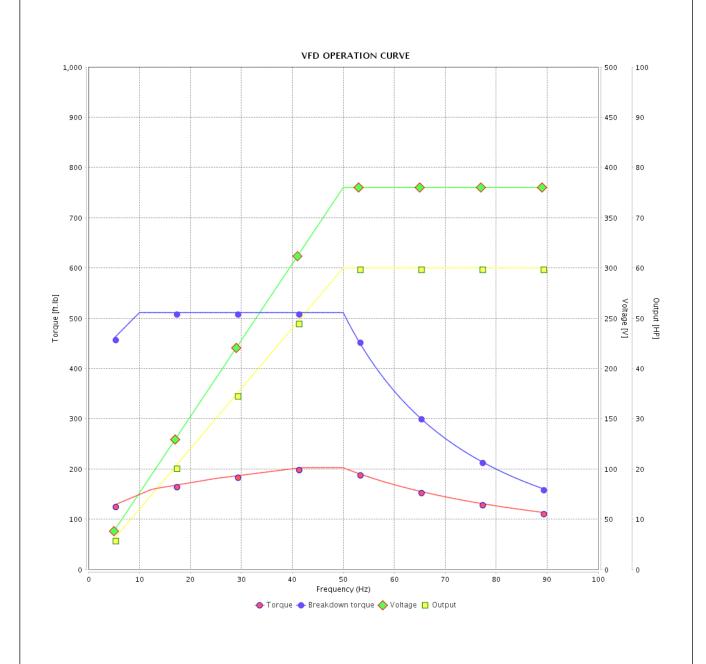
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance	: 3	: 380 V 50 Hz 4P IE3					
Rated current		34.4 A	Moment of inertia (J)		: 16.8 sq.ft.lb		
LRC : 7		'.1	Duty cycle)	: Cont.(S1)		
Rated torque		13 ft.lb	Insulation class		: F		
Locked rotor torque		.00 %	Service fa	ctor	: 1.00		
Breakdown torque	: : 2	40 %	Temperati	Temperature rise			
Rated speed	: 1	480 rpm	Design	Design			
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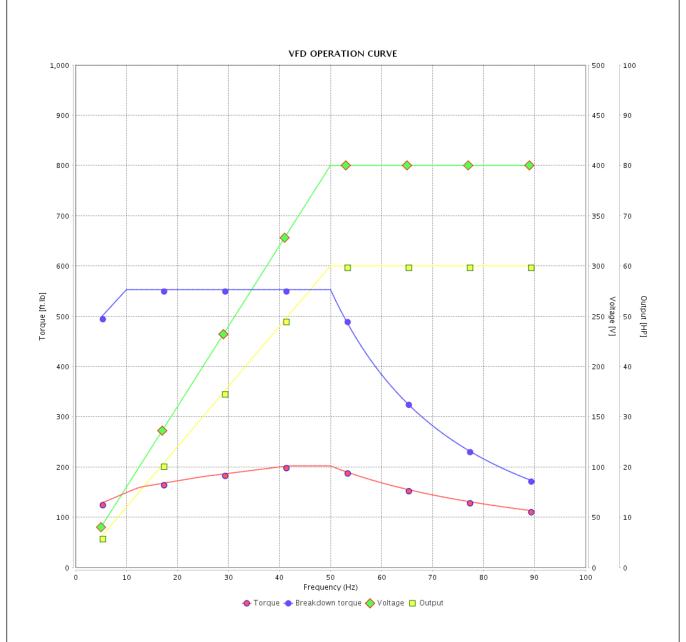
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40

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Performance	: 400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 82.1 A : 7.2 : 213 ft.lb : 229 % : 260 % : 1482 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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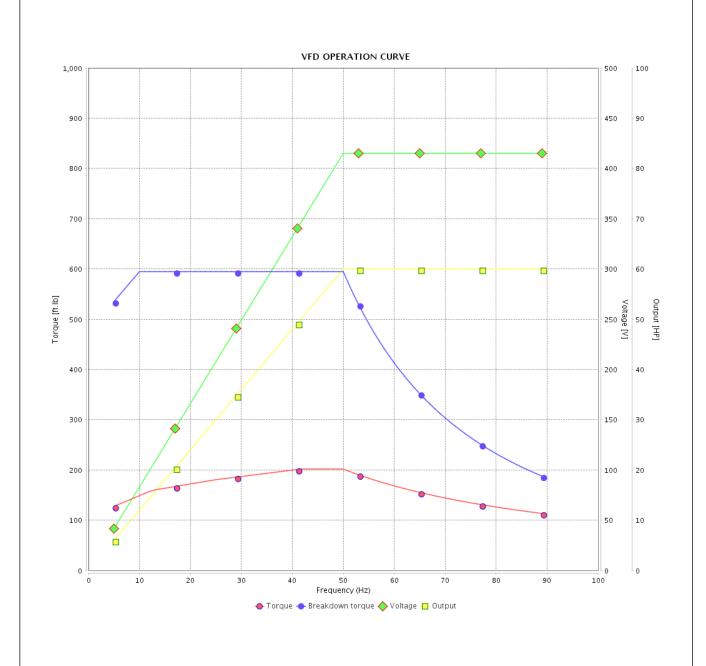
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14023476

Catalog #: 07518OT3E365JP-W40



Performance	:	: 415 V 50 Hz 4P IE3					
Rated current	:	80.1 A	Moment of	Moment of inertia (J)			
LRC	:	7.6	Duty cycle	;	: Cont.(S1)		
Rated torque	:	212 ft.lb	Insulation class		:F		
Locked rotor torque	e :	250 %	Service factor		: 1.00		
Breakdown torque	:	280 %	Temperati	Temperature rise			
Rated speed	:	1484 rpm	Design	Design			
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