DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270425

Catalog #: 07518OT3G365JP-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 : 793 lb

Approx. weight³ : 793 lb

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

Protection degree		. IP23	Moment of the	ertia (J) . 16.6	Sq.it.ib
Design		: B			
Output [HP]		75	60	60	60
Poles		4	4	4	4
Frequency [Hz]		60	50	50	50
Rated voltage [V]		460	380	400	415
Rated current [A]		85.5	84.4	82.1	80.1
L. R. Amperes [A]		581	599	591	609
LRC [A]		6.8x(Code G)	7.1x(Code H)	7.2x(Code H)	7.6x(Code J)
No load current [A]		30.5	28.5	33.7	36.1
Rated speed [RPM	1]	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 level ²		69.0 dB(A)			
	25%	94.4	93.7	93.7	93.7
Efficiency (%)	50%	94.5	93.8	93.8	93.8
Efficiency (70)	75%	95.0	94.2	94.2	94.2
100%		95.0	94.2	94.2	94.2
	25%	0.48	0.48	0.43	0.40
Power Factor	50%	0.73	0.73	0.69	0.66
1 OWEL FACIOI	75%	0.82	0.82	0.80	0.77
	100%	0.85	0.86	0.84	0.83

Drive end Non drive end Founda

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

Bearing Seal Bearing Seal 20000 h 20000 h

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

Foundation loads

Max. traction : 1641 lb Max. compression : 2434 lb

Notes

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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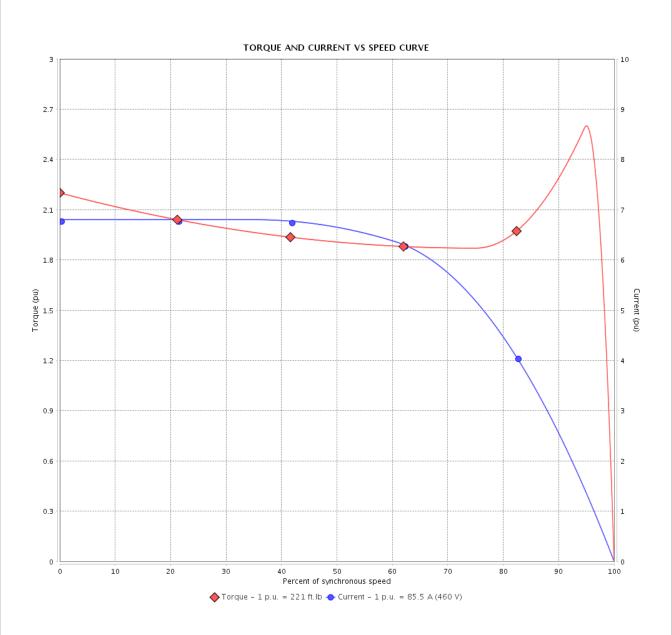
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270425

Catalog #: 07518OT3G365JP-W40



Performance : 460 V 60 Hz 4P Rated current : 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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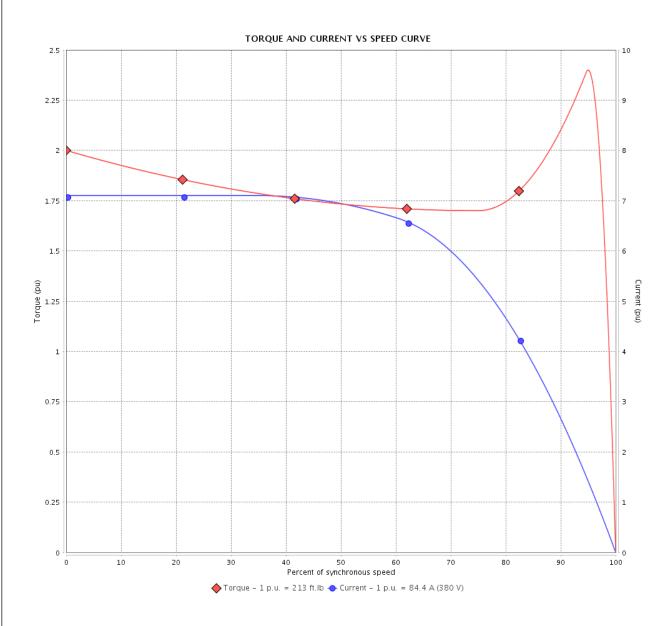
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270425

Catalog #: 07518OT3G365JP-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)			

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

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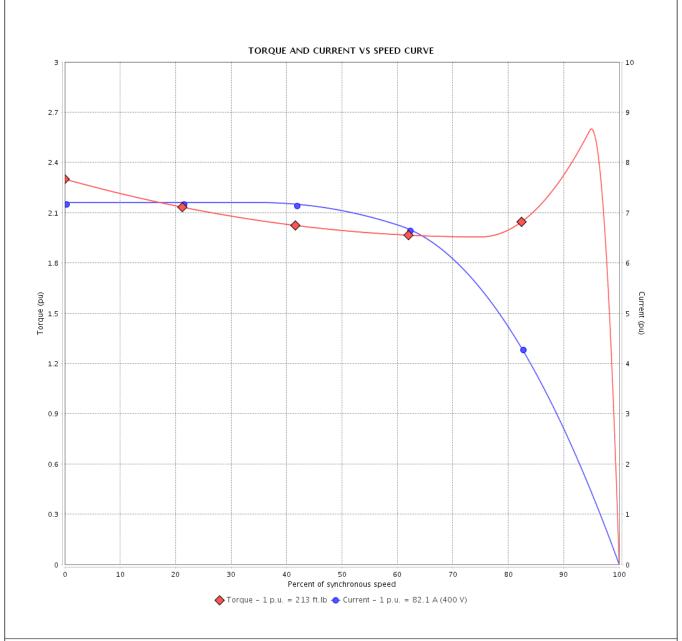
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270425

Catalog #: 07518OT3G365JP-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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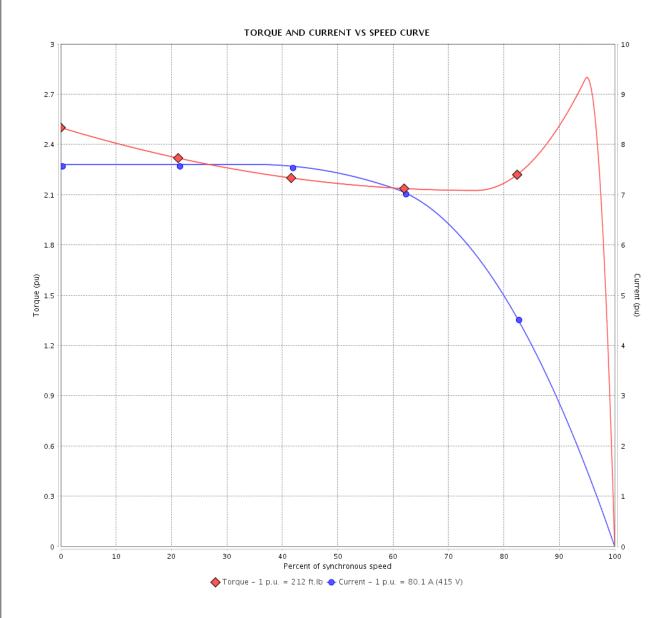
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270425

Catalog #: 07518OT3G365JP-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) Insulation class Rated torque : 212 ft.lb : 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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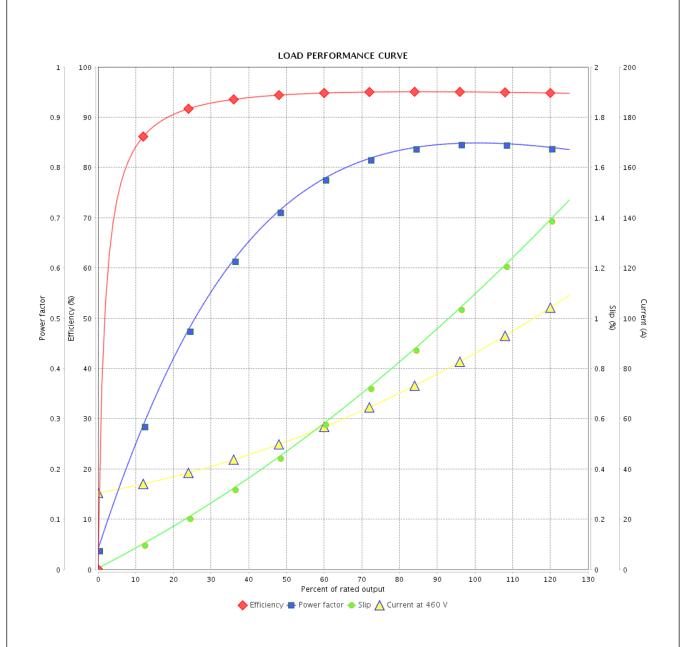
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Efficiency Three-Phase

Product code: 14270425

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Performance : 460 V 60 Hz 4P Rated current : 85.5 A 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 Date **Changes Summary** Performed by Checked by Revision Page

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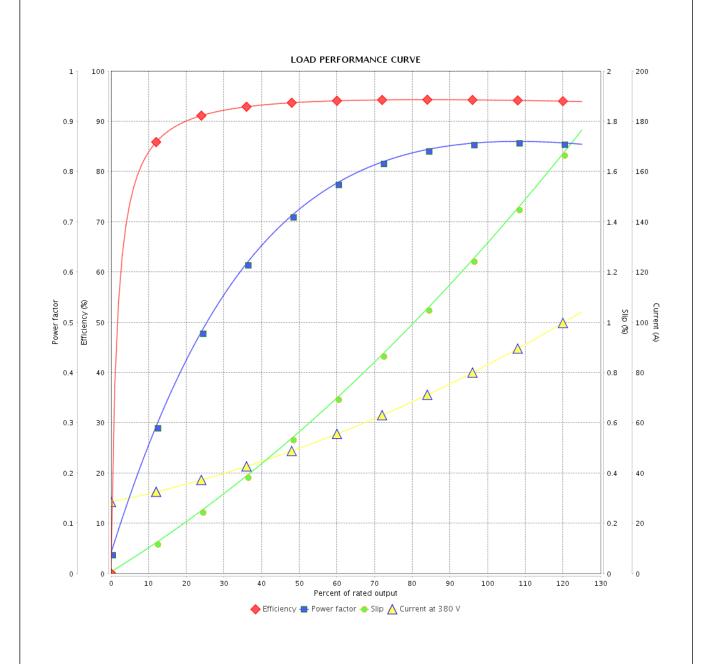
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Product code: 14270425

Catalog #: 07518OT3G365JP-W40

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Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 84.4 A : 7.1 : 213 ft.lb : 200 % : 240 % : 1480 rpm	Moment of inertia (J) : 16.8 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K Design : B		: F : 1.00 : 80 K	
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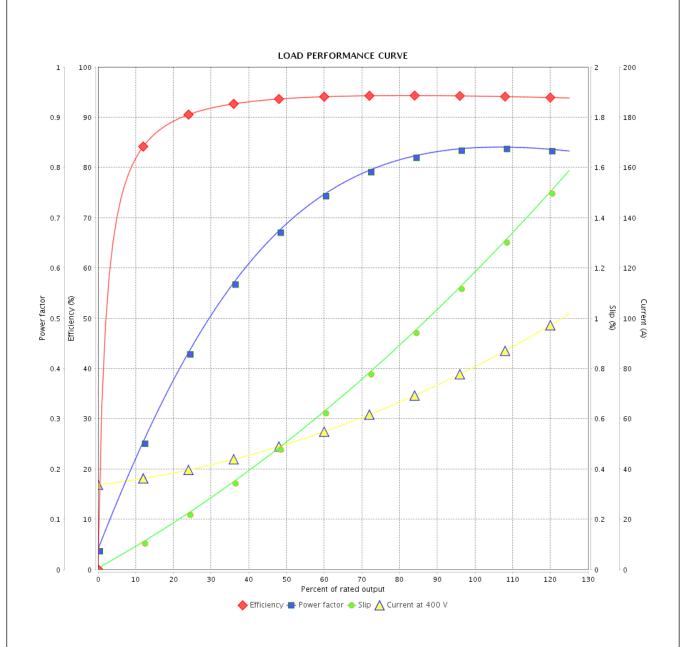
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Performance : 400 V 50 Hz 4P IE3 Rated current : 82.1 A Moment of inertia (J) : 16.8 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 213 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 260 % 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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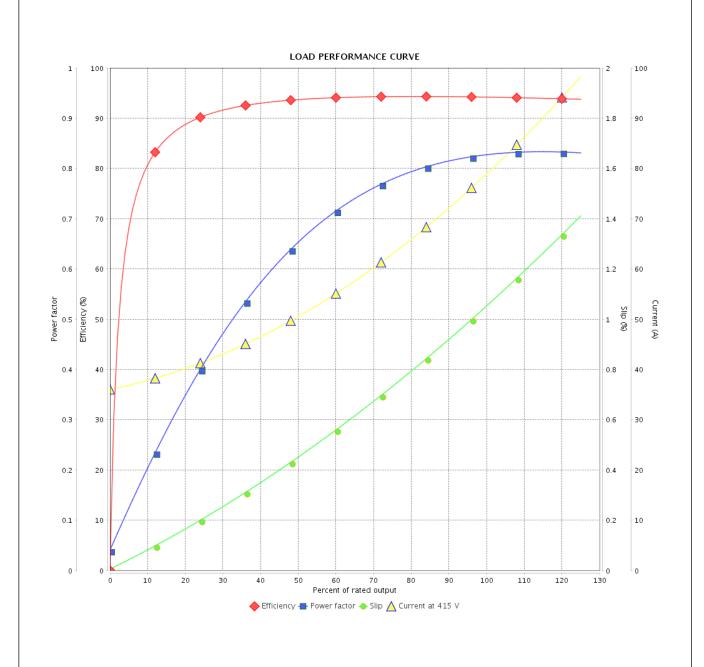
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270425

Catalog #: 07518OT3G365JP-W40



Performance	: 4	: 415 V 50 Hz 4P IE3				
Rated current	ed current : 80.1 A		Moment o	f inertia (J)	: 16.8 sq.ft.lb	
LRC	: 7	.6	Duty cycle	;	: Cont.(S1)	
Rated torque	: 2	12 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	50 %	Service fa	ctor	: 1.00	
Breakdown torque		80 %	Temperati	Temperature rise		
Rated speed	: 1	484 rpm	Design		: B	
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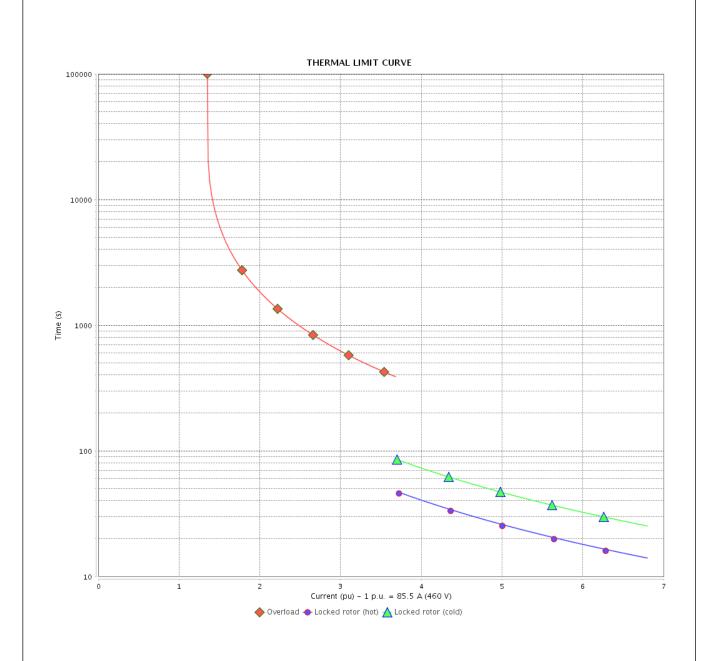


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Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14270425 07518OT3G3	GE ID WAO
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Performance	:	460 V 60 Hz 4P				
Rated current		85.5 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb	
LRC Rated torque	:	6.8 221 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord		220 %	Service fa		: 1.25	
Breakdown torqu Rated speed		260 % 1780 rpm	Temperati Design	ure rise	: 80 K : B	
Heating constant						
Cooling constant						
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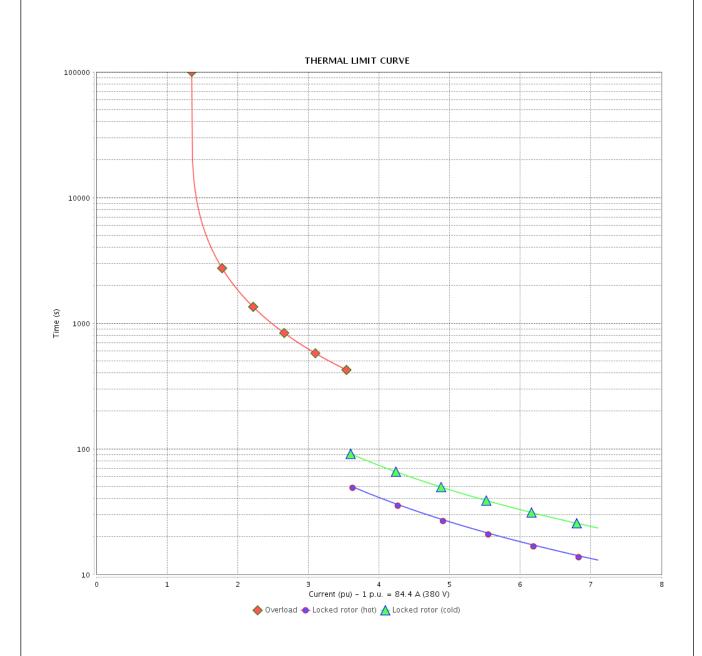


Customer	:					
Product line	: E	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14270425 07518OT3G3	85JP-W40
Performance		80 V 50 Hz 4P IE3				
Rated current LRC	: 8 : 7	4.4 A .1	Moment of Duty cycle	f inertia (J)	: 16.8 sq.ft.lb : Cont.(S1)	
Rated torque	: 2	13 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		00 % 40 %	Service fac Temperatu		: 1.00 : 80 K	
Rated speed		40 % 480 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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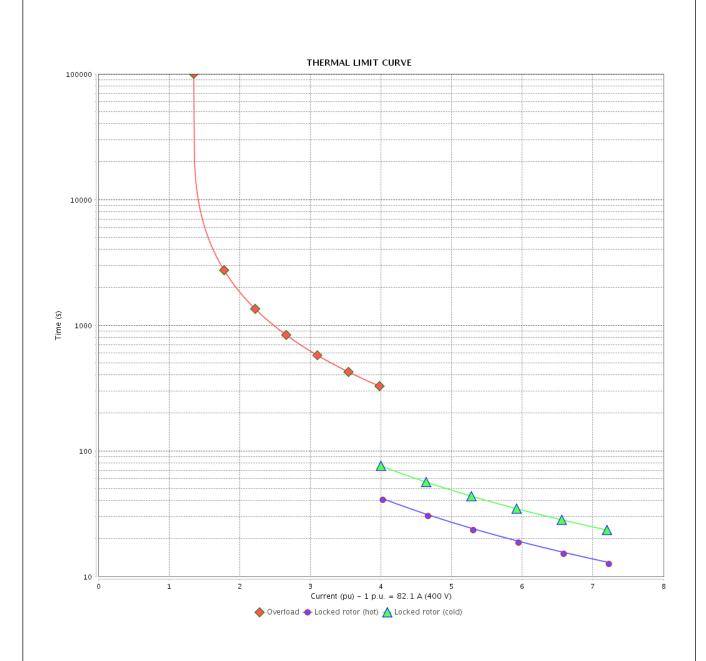


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Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14270425 07518OT3G3	65JP-W40
Performance Rated current		: 400 V 50 Hz 4P IE3 : 82.1 A	Moment	of inertia (J)	: 16.8 sq.ft.lb	
LRC	:	: 7.2	Duty cycle	9	: Cont.(S1)	
Rated torque Locked rotor tord		: 213 ft.lb : 229 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ue :	: 260 %	Temperati		: 80 K	
Rated speed		: 1482 rpm	Design		: B	
Heating constan						
Cooling constant	Ţ	Changes Summary		Performed	Checked	Date
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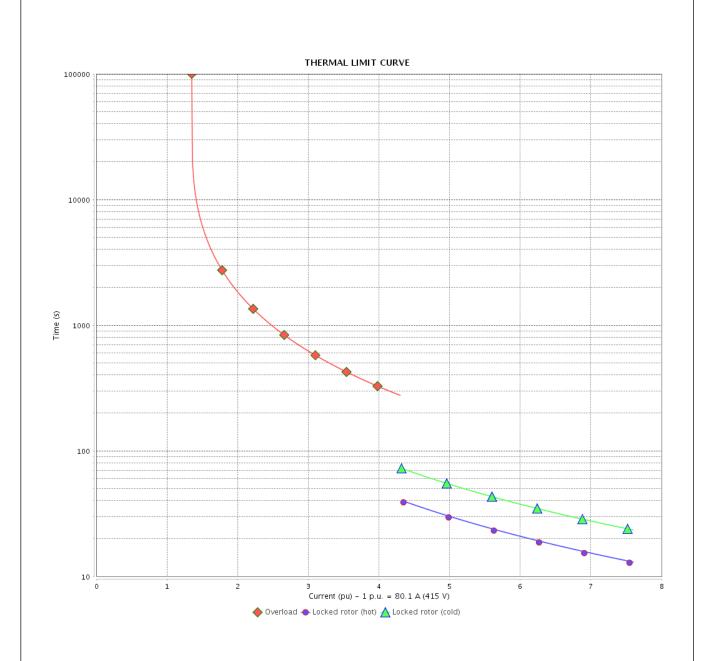


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Product line	: \ F1	N40 JP Pump NEMA Prem fficiency Three-Phase	ium I	Product code :	14270425	
		meleney Three Thace	(Catalog # :	07518OT3G3	65JP-W40
Performance		15 V 50 Hz 4P IE3	B.4	************	40.0	
Rated current LRC	: 80 : 7.	D.1 A 6	Moment of Duty cycle	f inertia (J)	: 16.8 sq.ft.lb : Cont.(S1)	
Rated torque	: 2	12 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		50 % 30 %	Service far Temperatu		: 1.00 : 80 K	
Rated speed		184 rpm	Design		: B	
Heating constant						
Cooling constant		Ob an ana O	T	Devit 1	Ol-	
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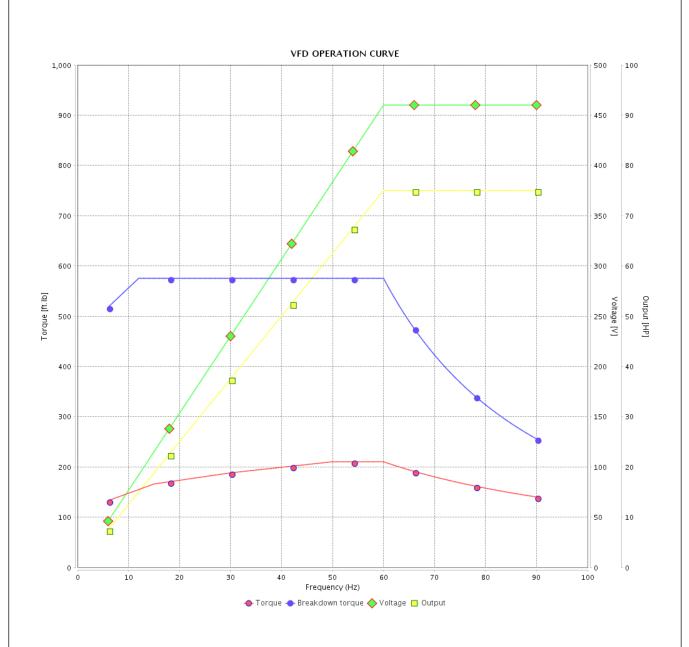
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Performance : 460 V 60 Hz 4P Rated current : 85.5 A Moment of inertia (J) : 16.8 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.8 Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 260 % 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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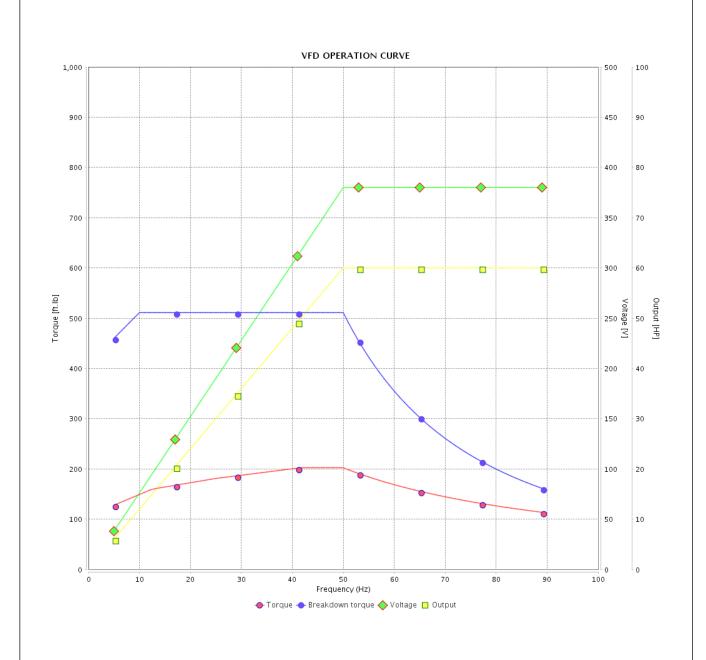
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Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 84.4 A : 7.1 : 213 ft.lb : 200 % : 240 % : 1480 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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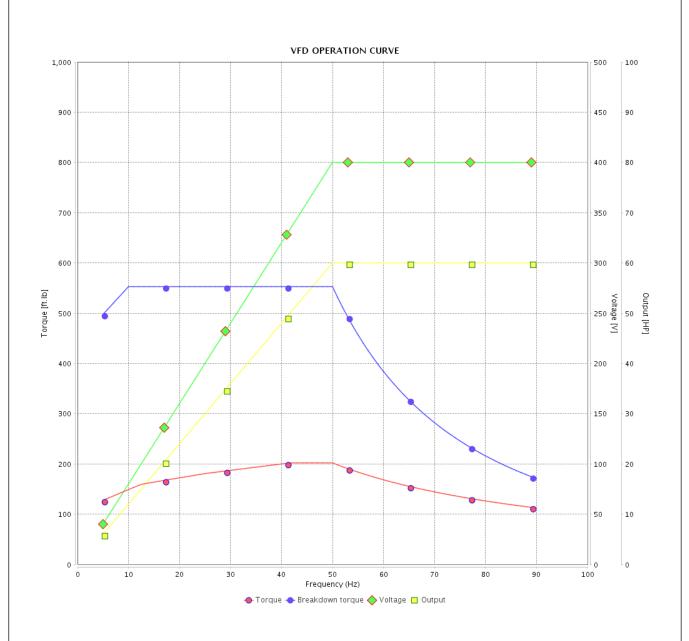
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Performance	: 400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 82.1 A : 7.2 : 213 ft.lb : 229 % : 260 % : 1482 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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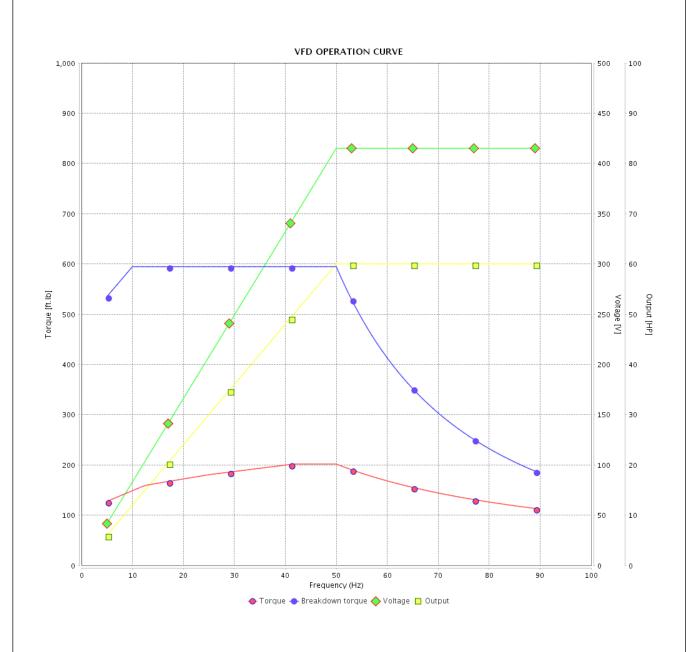
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Performance	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 80.1 A : 7.6 : 212 ft.lb : 250 % : 280 % : 1484 rpm	Moment of Duty cycle Insulation Service fa Temperati Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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