DATA SHEET

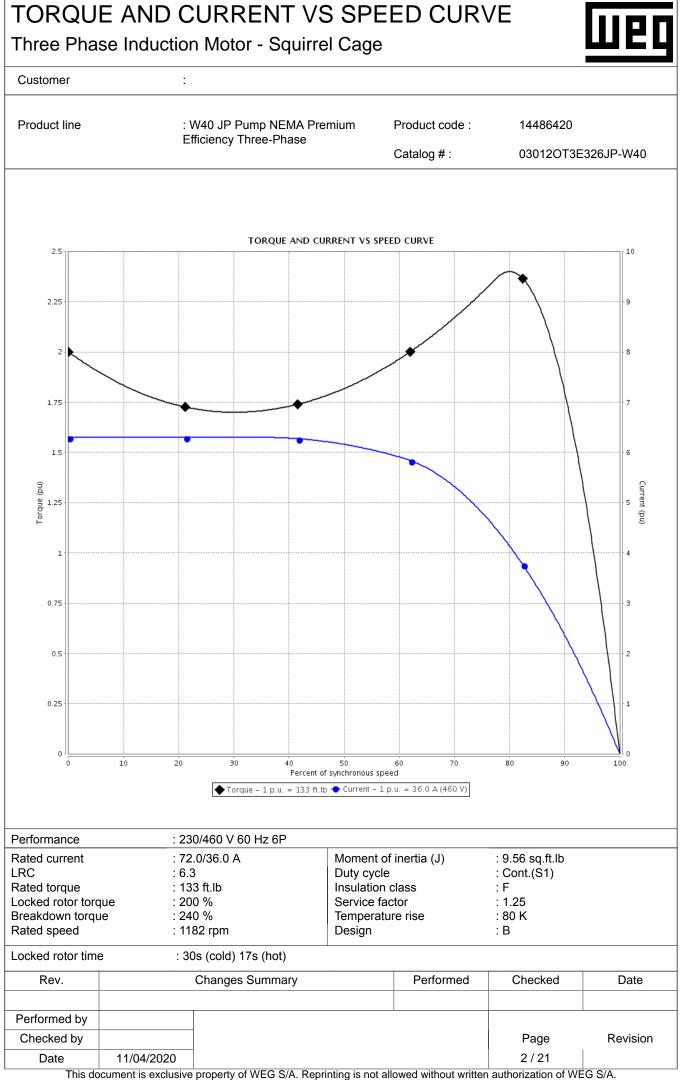
Three Phase Induction Motor - Squirrel Cage

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Customer

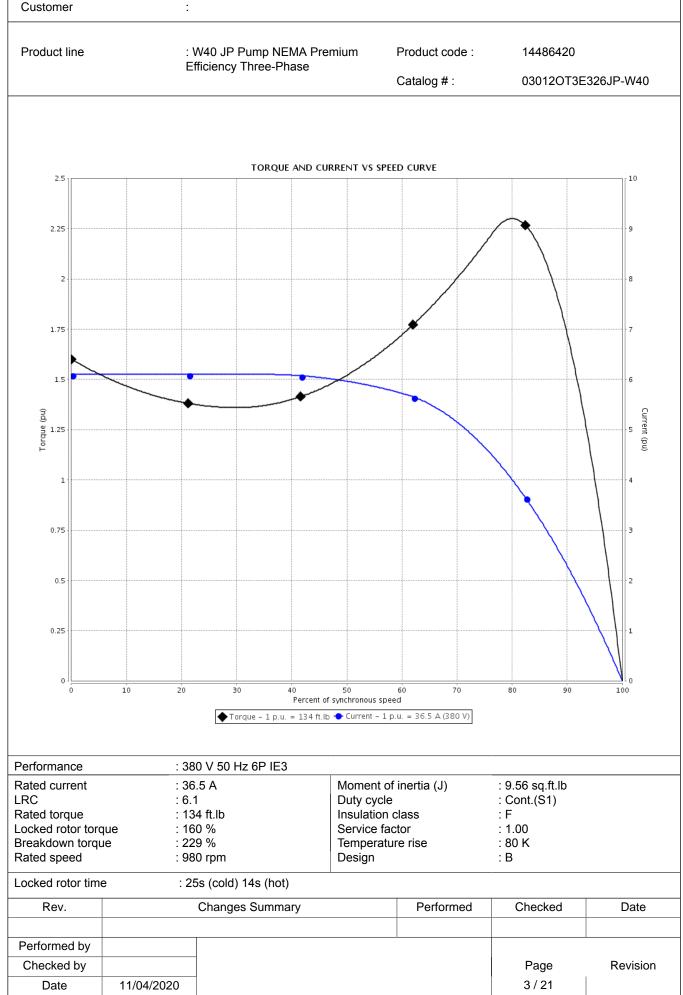
Product line		: W40 JP Pump NEMA Premiun Efficiency Three-Phase		um Product code :		14486420	
				Cata	log # :	030120	DT3E326JP-W40
Frame		: 324/6JP		Cooling meth	nod	: IC01 -	- ODP
Insulation class		: F		Mounting		: F-1	
Duty cycle		: Cont.(S1)		Rotation ¹		: Both ((CW and CCW)
Ambient tempera	ature	: -20°C to +40°C		Starting method		: Direct On Line	
Altitude		: 1000 m.a.s.l.		Approx. weight ³		: 531 lb	
Protection degre	e	: IP23		Moment of inertia (J)		: 9.56 sq.ft.lb	
Design		: B					
Dutput [HP]		30		25	25		25
Poles		6		6	6		6
requency [Hz]		60		50	50		50
Rated voltage [V]		230/460		380	400		415
Rated current [A]		72.0/36.0		36.5	35.5		34.6
R. Amperes [A]		454/227		223	238		235
RC [A]		6.3x(Code G)	6.1	Ix(Code G)	6.7x(Co	de H)	6.8x(Code H)
lo load current [A]	29.6/14.8		14.6	15.8	3	16.8
Rated speed [RPI		1182		980	980		980
Slip [%]		1.50		2.00	2.00)	2.00
Rated torque [ft.lb]	133		134	134		134
ocked rotor torqu		200		160	180		200
Breakdown torque		240					280
Service factor	· [, .]	1.25		1.00	260 1.00		1.00
emperature rise		80 K		80 K	80 K		80 K
ocked rotor time		30s (cold) 17s (hot)	25s (cold) 14s (h		23s (cold) 1		23s (cold) 13s (hot)
locked rotor time		62.0 dB(A)	203 (0				
	25%	91.7		91.2	91.2	,	91.4
	50%	92.4		91.2	91.2		91.6
Efficiency (%)	50% 75%	93.0		91.4	91.2		91.8
/		1					
	100%	93.6	91.8		91.8		91.8
	25%	0.44		0.44	0.40		0.38
Power Factor	50%	0.70	0.70		0.60		0.63
	75%	0.79		0.80	0.77		0.75
	100%	0.82		0.84	0.82	2	0.81
Bearing type			<u>ive end</u> 1 Z C3	Foundation Ic	bads		
				Max. traction			
Sealing				Max. compres	551011		
Lubrication inter	val		ing Seal 000 h				
Lubricant amour			11 g				
	il i	: 21 g : Mobil Polyrex E					
Lubricant type			_1VI				
Notes USABLE @208V	79.6A SF 1.	15 SFA 91.6A					
This revision reol		ncel the previous one, wh	hich				ts with sinusoidal stipulated in NEMA
must be eliminate	notor from the	e shaft end. olerance of +3dB(A).		MG-1.			
must be eliminate (1) Looking the m (2) Measured at 2	weight subjeo ocess.	t to changes after					
nust be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	weight subjeo ocess.			F	Performed	Checked	d Date
nust be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	weight subjeo ocess.	t to changes after		F	Performed	Checkec	Date
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu Rev. Performed by	weight subjeo ocess.	t to changes after		F	Performed		
nust be eliminate 1) Looking the m 2) Measured at 3) Approximate w nanufacturing pr 4) At 100% of fu Rev.	weight subjeo ocess.	Changes Summary		F	Performed	Checked Page 1 / 21	d Date Revision



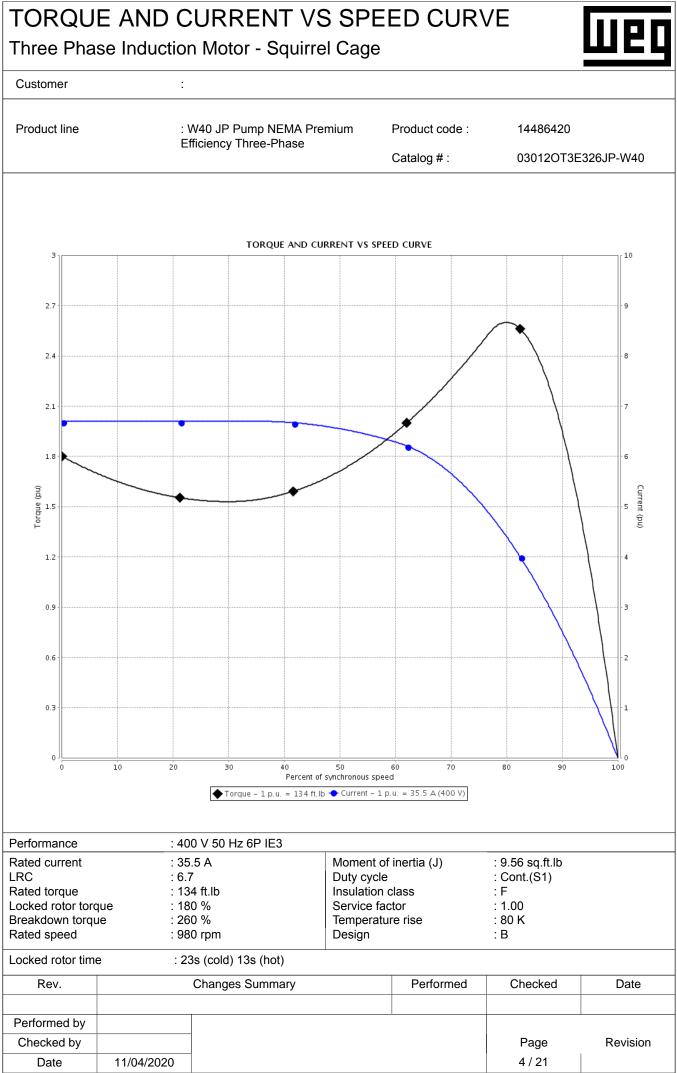
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



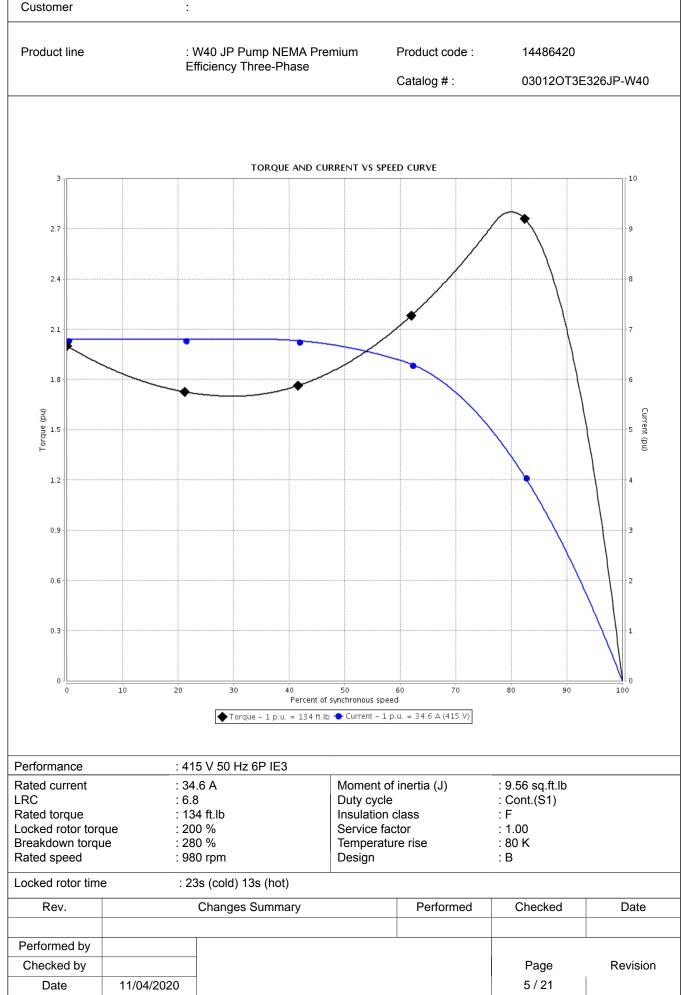
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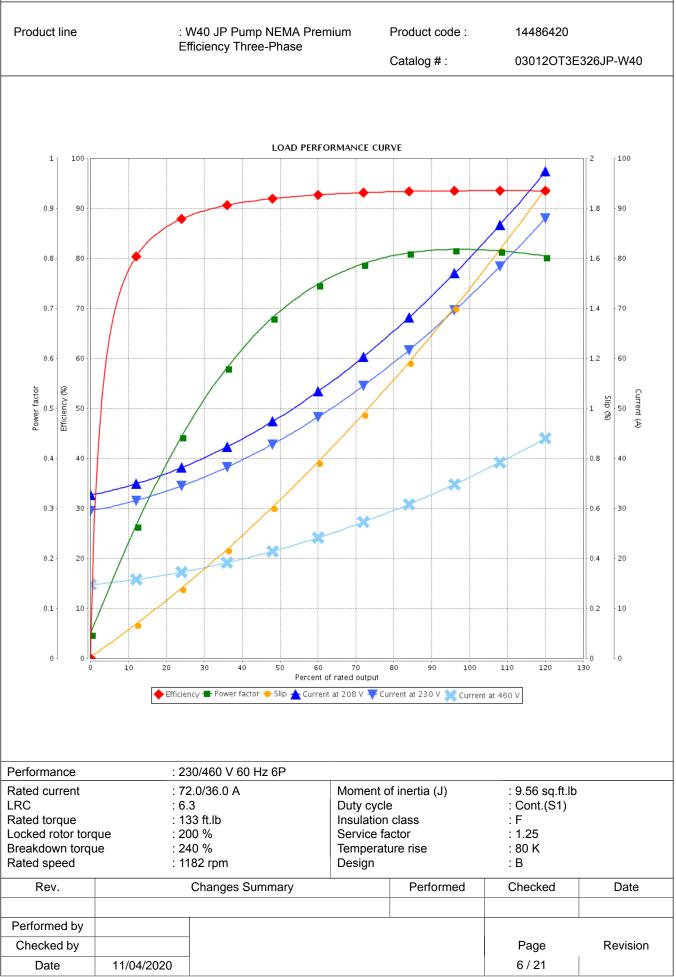
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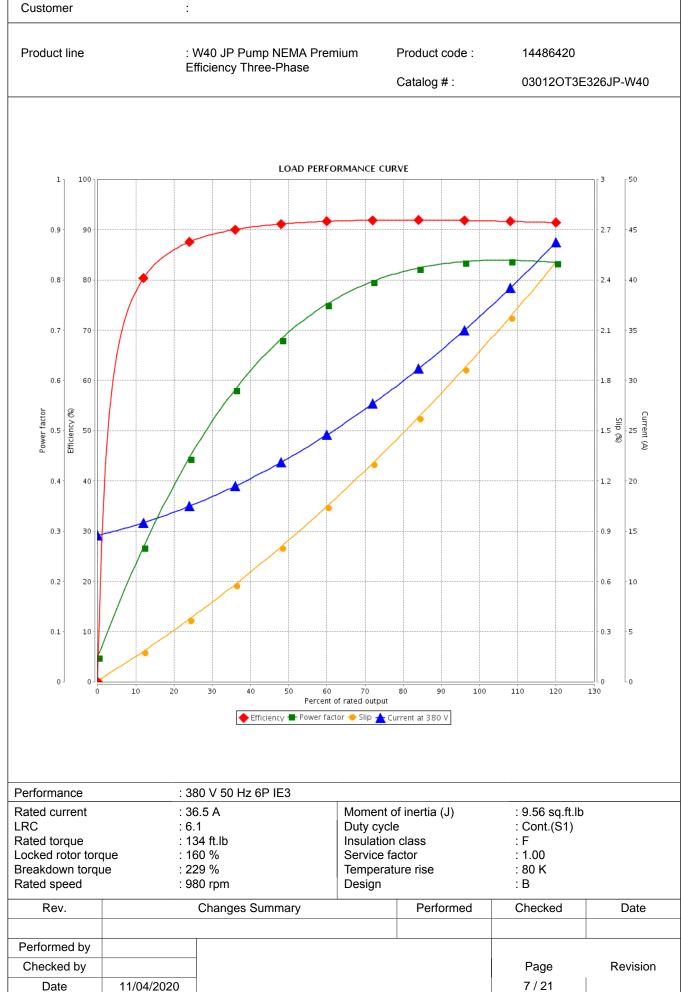


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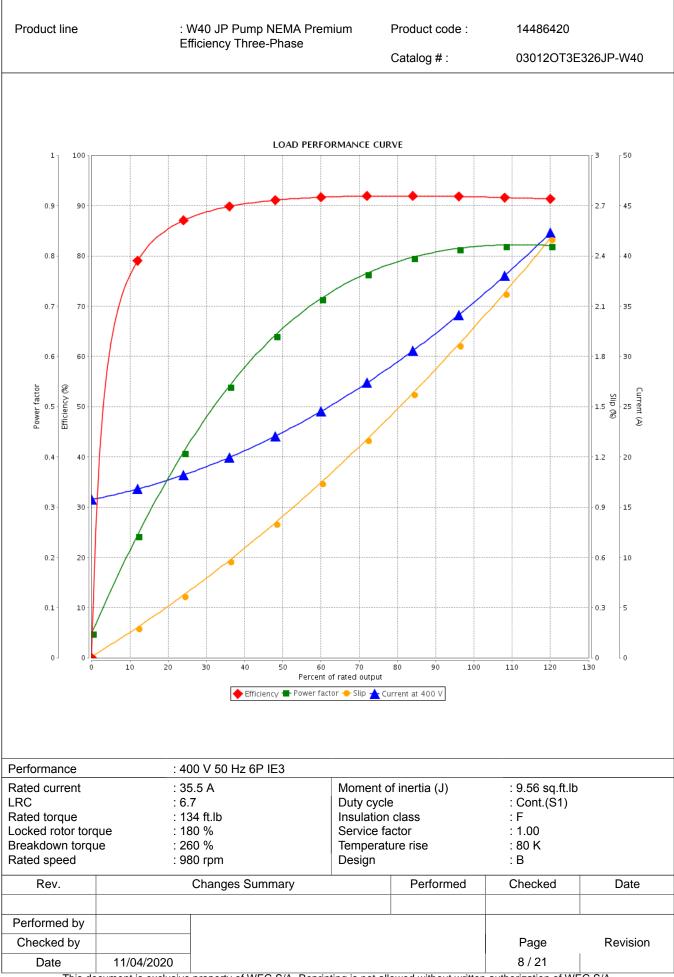
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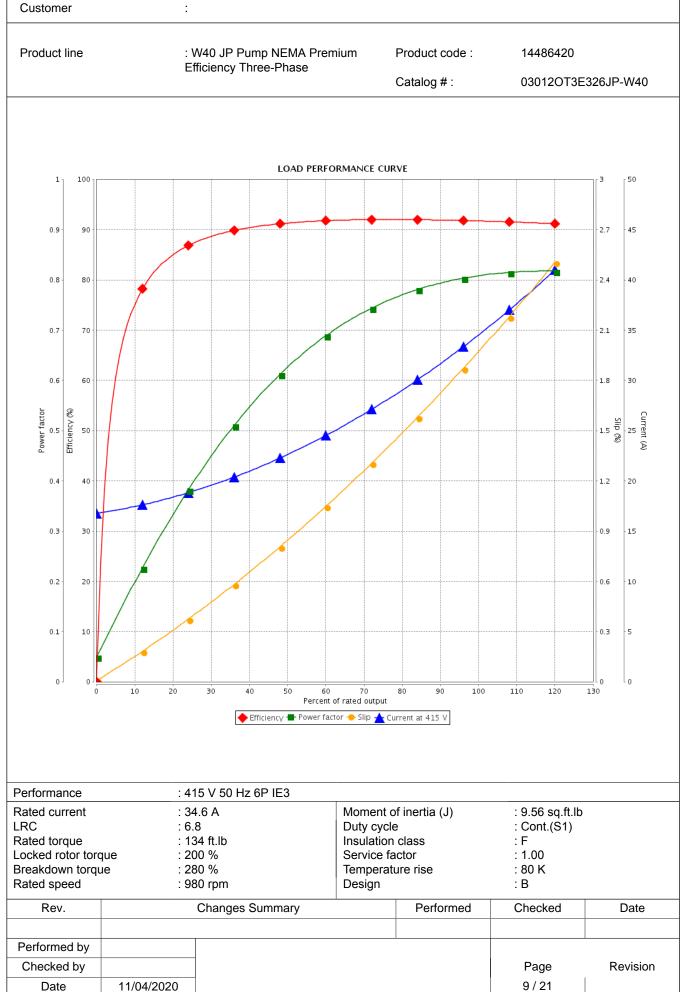


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THERMAL LIMIT CURVE

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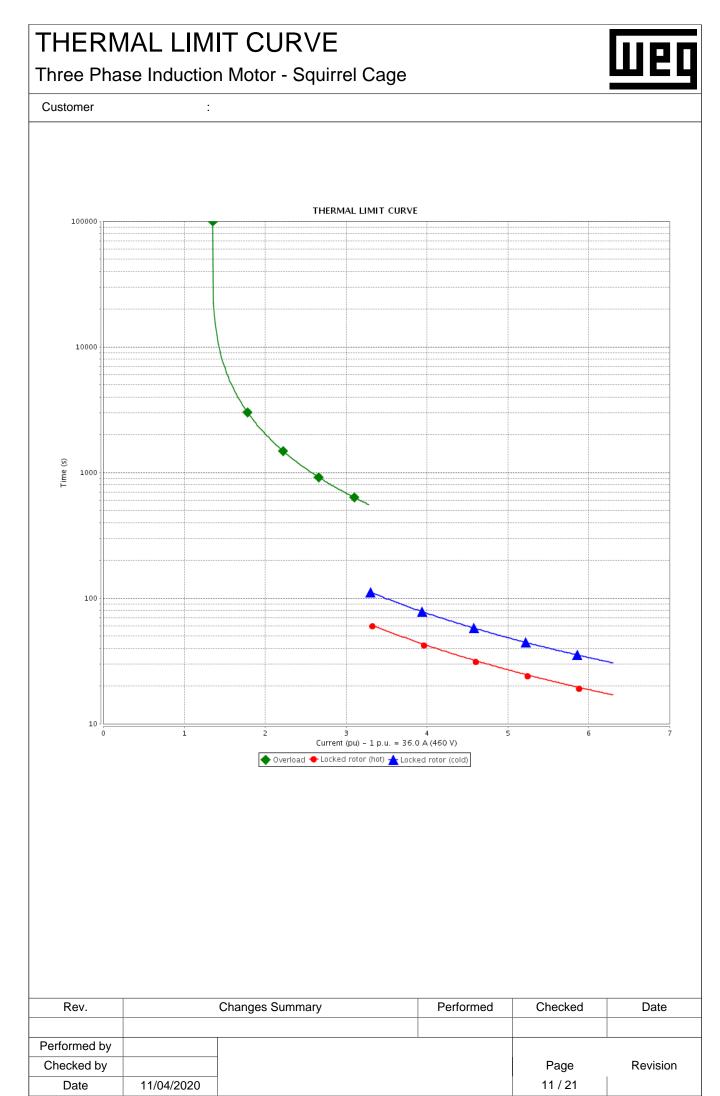
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Customer

Product line : ' E		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14486420 03012OT3E32	14486420 03012OT3E326JP-W40	
Performance		30/460 V 60 Hz 6P					
Rated current LRC	: 7 : 6	2.0/36.0 A	Moment c Duty cycle	of inertia (J)	: 9.56 sq.ft.lb : Cont.(S1)		
Rated torque		33 ft.lb	Insulation	class	: F		
Locked rotor torque		: 200 % Service : 240 % Tempera			: 1.25		
Breakdown torque				ure rise	: 80 K : B		
Rated speed			Design				
Heating constant							
Cooling constant	t	Ohanana O					
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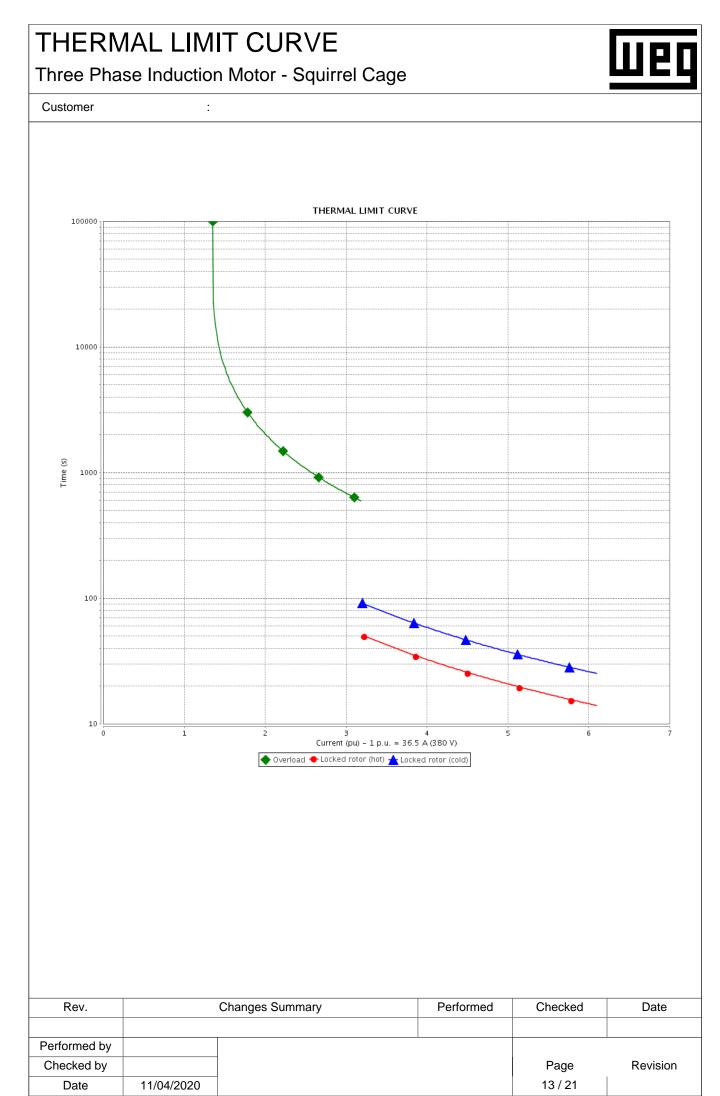
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Customer

Product line	: W40 JP Pump NEMA Premium Efficiency Three-Phase			Product code :	14486420	
				Catalog # :	03012OT3E3	26JP-W40
Performance	• 3	80 V 50 Hz 6P IE3				
Rated current		6.5 A	Momento	f inertia (J)	: 9.56 sq.ft.lb	
LRC	: 6	.1	Duty cycle)	: Cont.(S1)	
Rated torque		34 ft.lb	Insulation		: F	
Locked rotor toro Breakdown torqu		60 % 29 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		80 rpm	Design	are rise	: B	
Heating constan	t		-			
Cooling constant	L	Changes Summery		Performed	Checked	Data
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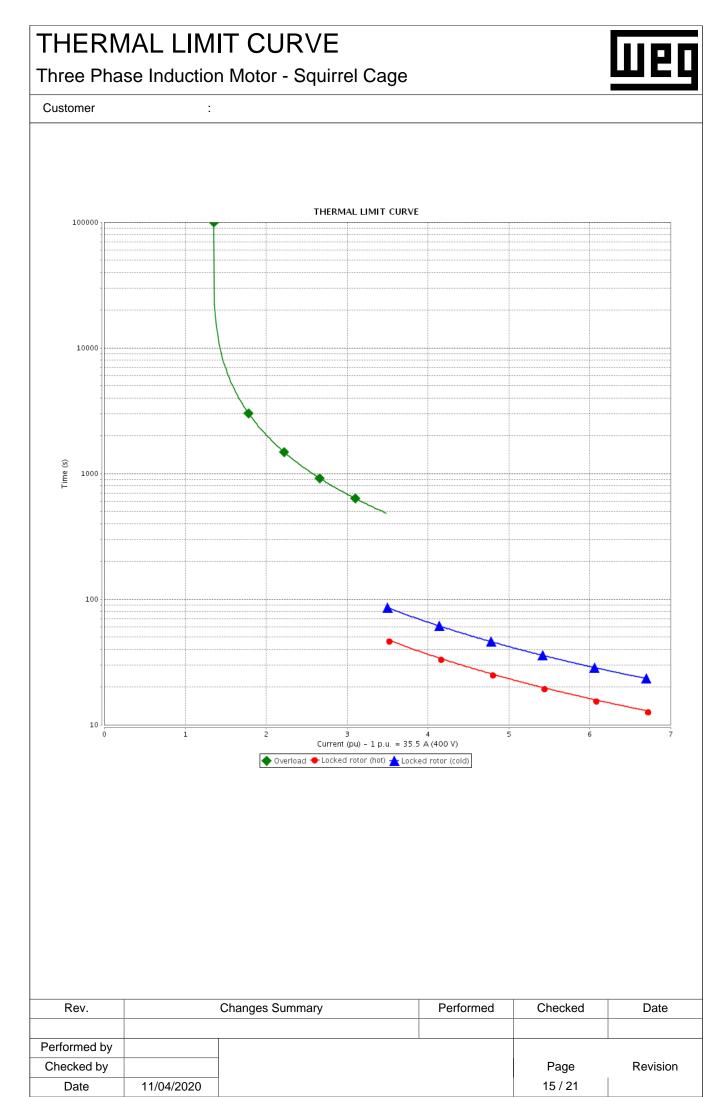
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14486420	
				Catalog # :	03012OT3E32	26JP-W40
Performance		00 V 50 Hz 6P IE3				
Rated current LRC	: 38 : 6.	5.5 A 7	Moment o Duty cycle	f inertia (J)	: 9.56 sq.ft.lb : Cont.(S1)	
Rated torque		34 ft.lb	Insulation	class	: F	
Locked rotor toro		80 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie : 26	60 %	Temperatu	ure rise	: 80 K	
Rated speed	: 98	80 rpm	Design		: B	
Heating constant	t					
Cooling constant						
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THERMAL LIMIT CURVE

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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14486420	
				Catalog # :	03012OT3E32	6JP-W40
				Catalog # :	03012OT3E32	6JP-W40
D						
Performance Rated current		15 V 50 Hz 6P IE3 4.6 A	Moment of	f inertia (J)	: 9.56 sq.ft.lb	
LRC	: 6.	8	Duty cycle	;	: Cont.(S1)	
Rated torque		34 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		00 % 80 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed			Design	lie lise	: B	
Heating constant			-			
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