DATA SHEET

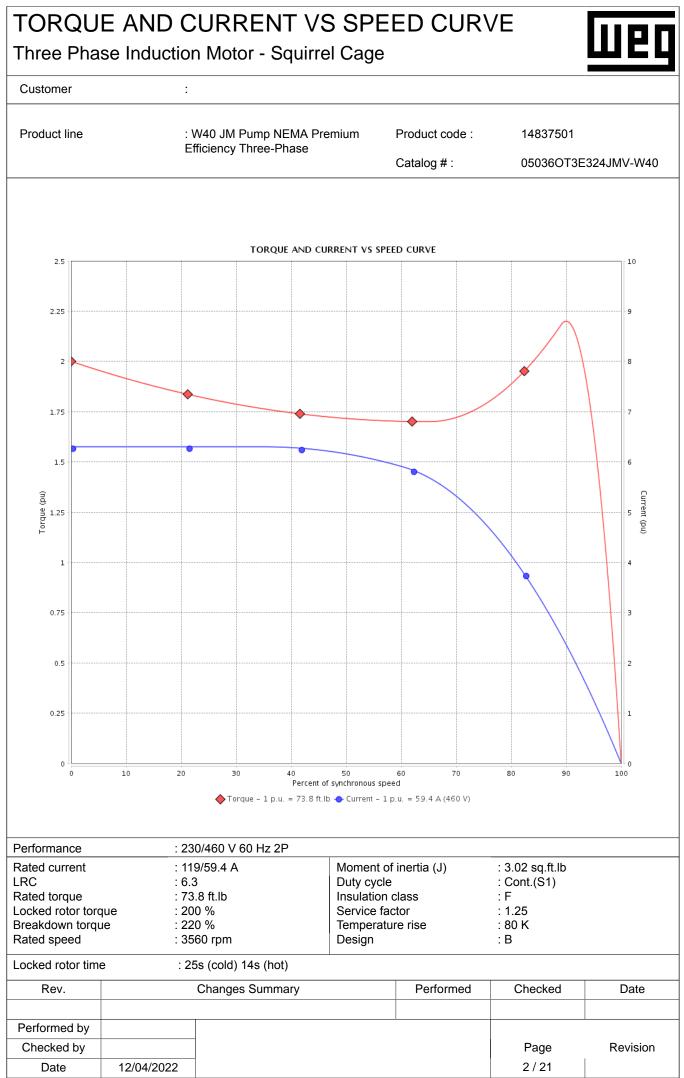
Three Phase Induction Motor - Squirrel Cage

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Customer

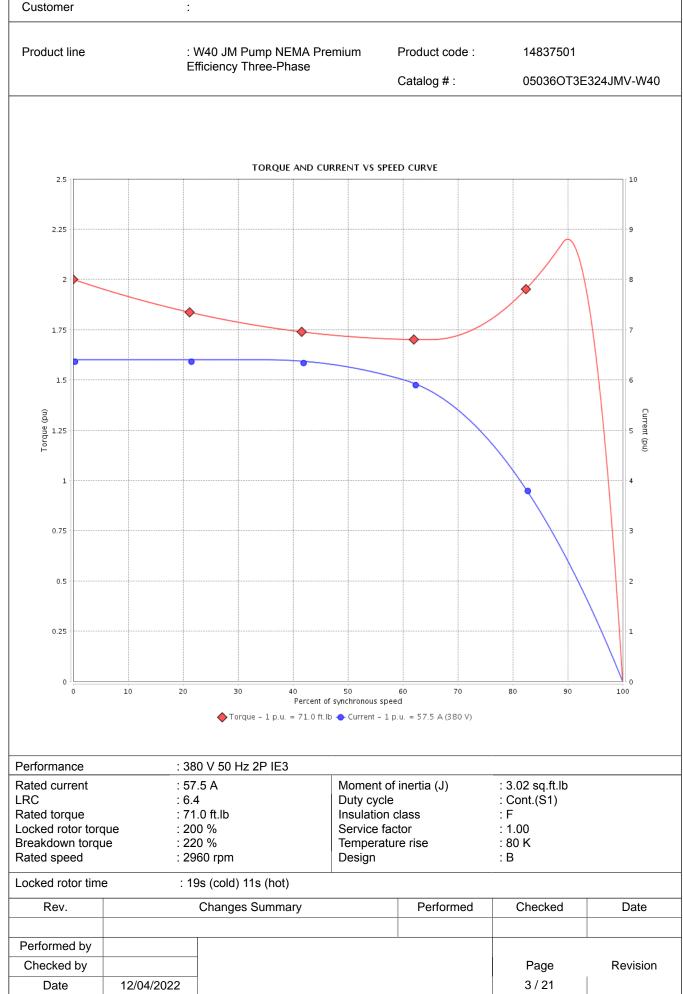
Product line		: W40 JM Pump NEM Efficiency Three-Phas		um Proc	luct code :	148375	01
			be	Cata	alog # :	05036C	0T3E324JMV-W40
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 324/6JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling met Mounting Rotation ¹ Starting met Approx. weig Moment of in	hod ght ³		CW and CCW) On Line
Dutput [HP]		50		40	40		40
Poles		2		2	2		2
Frequency [Hz]		60		50	50		50
Rated voltage [V]		230/460		380	400		415
Rated current [A]		119/59.4		57.5	56.	6	56.6
. R. Amperes [A]		748/374		368	374		385
.RC [A]		6.3x(Code G)	6.4	Ix(Code G)	6.6x(Co		6.8x(Code H)
No load current [A	1	45.0/22.5		20.5	24.		27.0
Rated speed [RPI		3560		2960	296		2965
Slip [%]	<u> </u>	1.11		1.33	1.1		1.17
Rated torque [ft.lb]	73.8		71.0	70.		70.8
ocked rotor torqu		200		200	229		240
Breakdown torque		220		220	240		260
Service factor	6113	1.25		1.00	1.0		
Temperature rise		80 K		80 K	80		80 K
_ocked rotor time		25s (cold) 14s (hot)	19s (d	80 K 80 k (cold) 11s (hot) 21s (cold) 1			
Noise level ²		75.0 dB(A)			- (/	- (/	
	25%	91.5		88.3	88.4	4	88.5
	50%	91.7		90.0	90.	0	
Efficiency (%)	75%	93.0		91.6	91.	7	
	100%	93.0		93.3	93.		
	25%	0.46		0.48	0.4		
	50%	0.72		0.73	0.6		
Power Factor	75%	0.81		0.82	0.7		
	100%	0.84		0.85	0.8		
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: 6312 Z C3 621 : Without W Bearing Seal Bear : 9829 h 14	ive end 1 Z C3 ithout ing Seal 226 h 11 g	Foundation lo Max. traction Max. compre			
Notes USABLE @208V	7 130A SF 1.1	[_]		<u></u>			
must be eliminate (1) Looking the m (2) Measured at 2	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, where shaft end. olerance of +3dB(A). ot to changes after	hich				ts with sinusoidal stipulated in NEMA
Rev.		Changes Summary		F	Performed	Checked	Date
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Checked by Date	12/04/202					Page 1 / 21	Revision



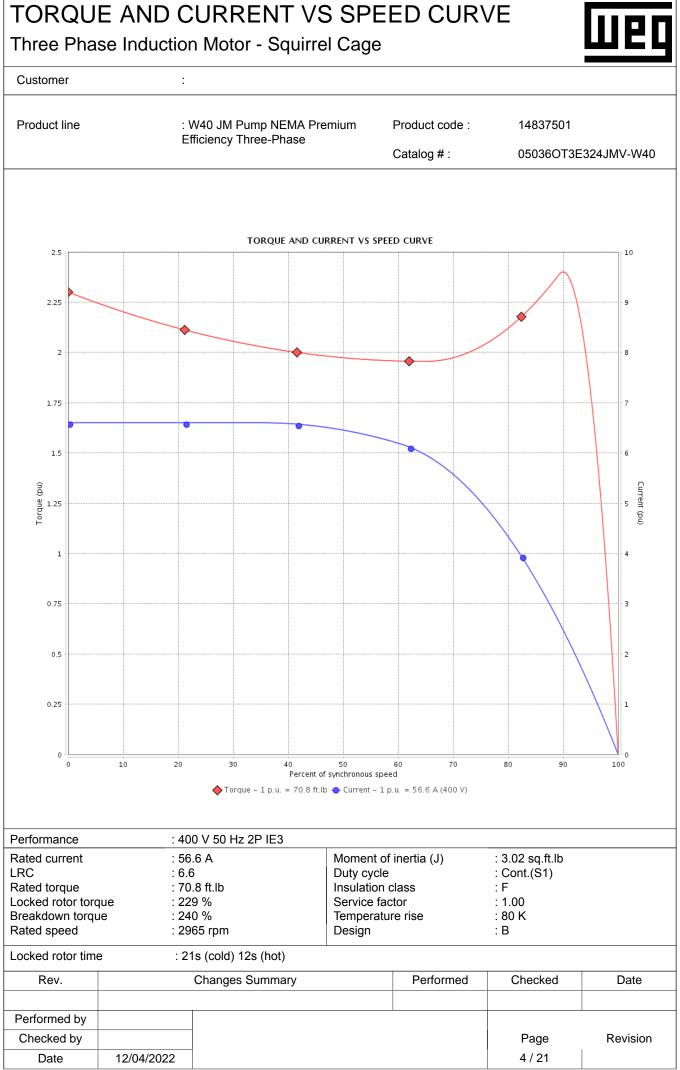
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



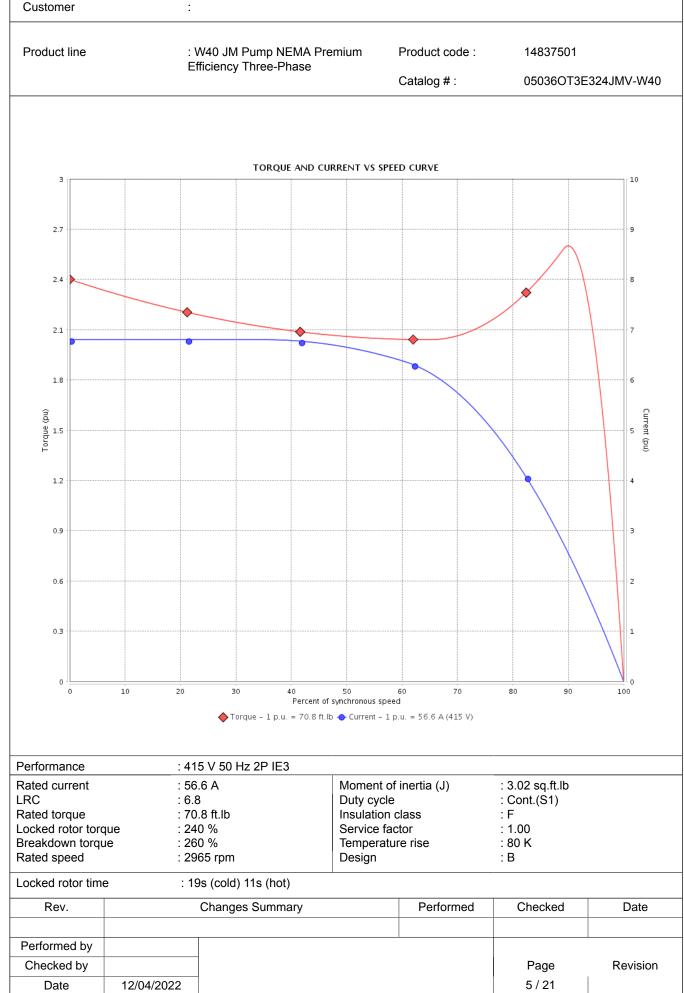
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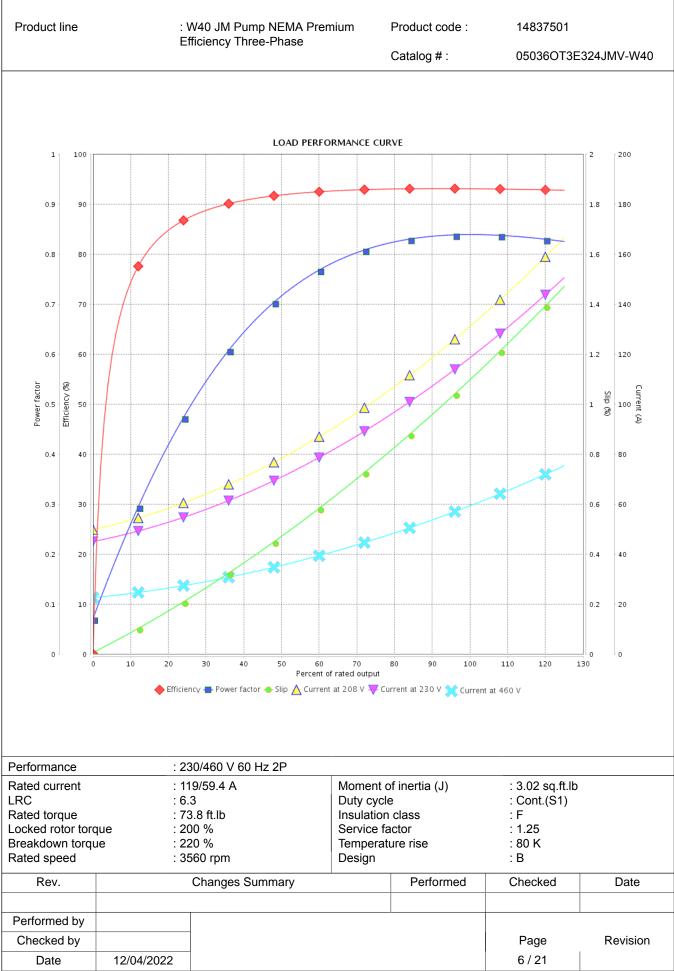
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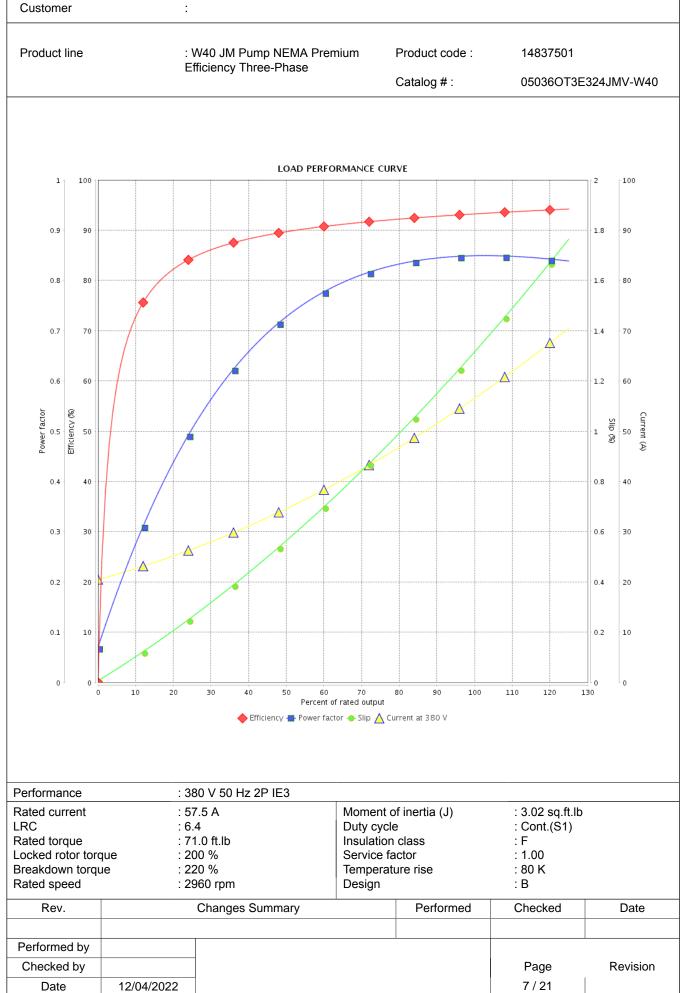


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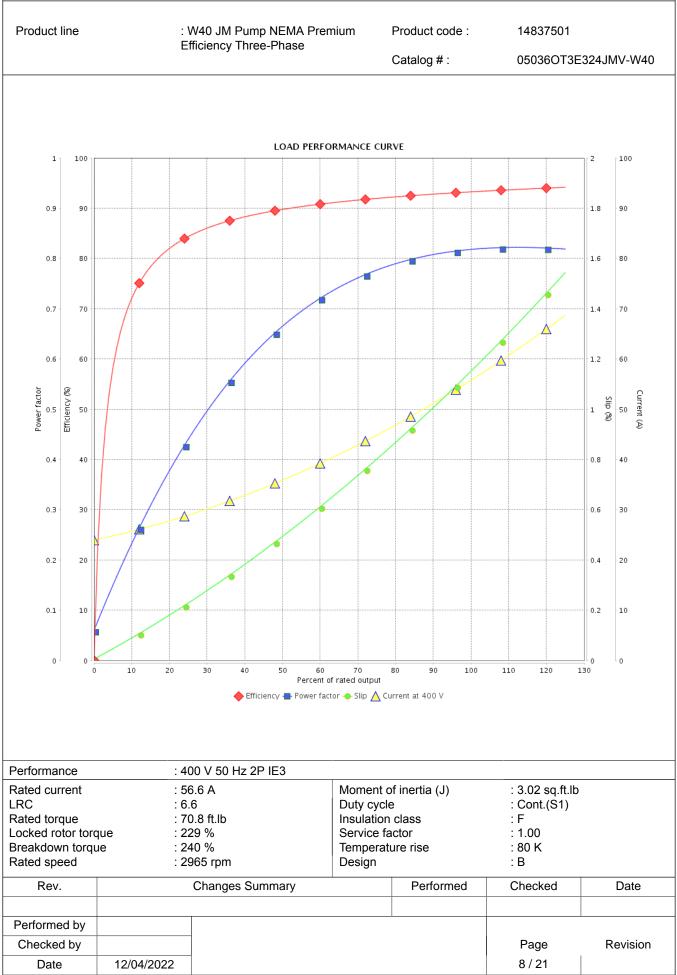
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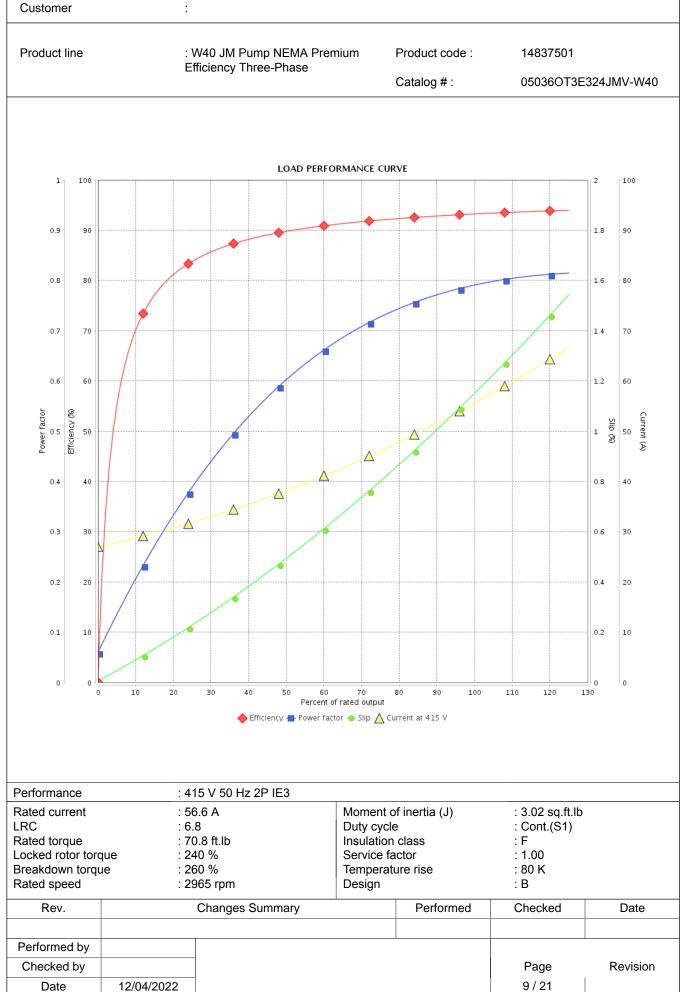


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THERMAL LIMIT CURVE

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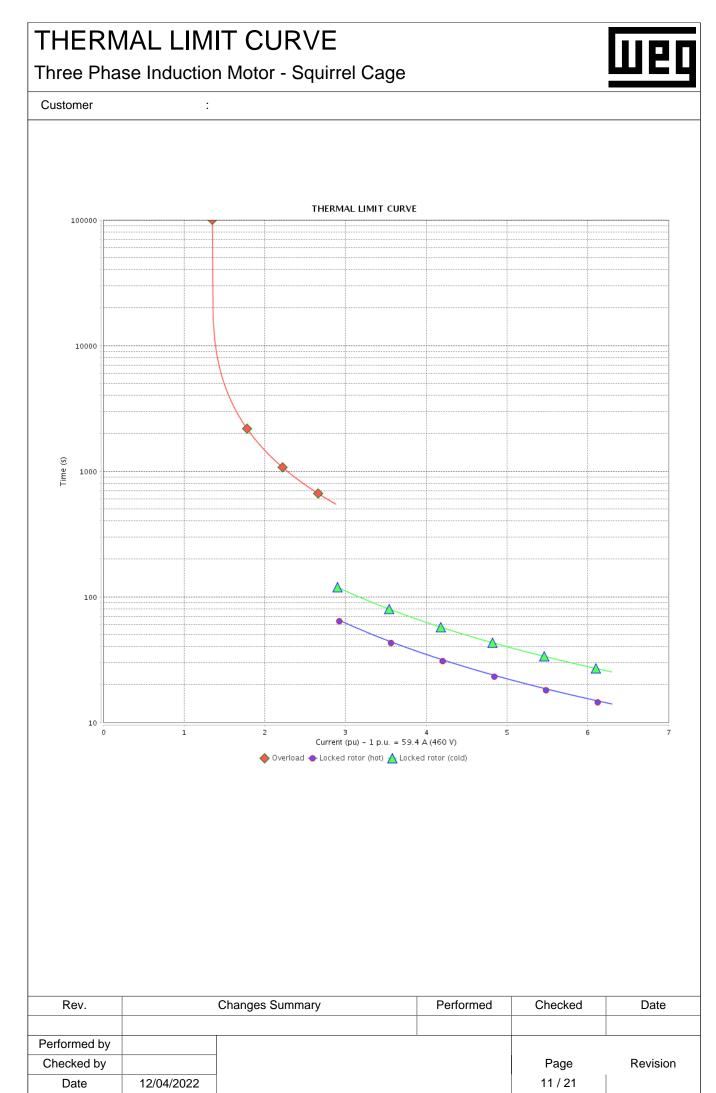
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Customer

Product line	: \ E [:]	W40 JM Pump NEMA Pren fficiency Three-Phase		Product code : Catalog # :	14837501 05036OT3E3	24JMV-W40
Performance						
Rated current: 119/59.4 ALRC: 6.3Rated torque: 73.8 ft.lbLocked rotor torque: 200 %Breakdown torque: 220 %Rated speed: 3560 rpm		3 3.8 ft.lb 00 % 20 %	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 3.02 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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THERMAL LIMIT CURVE

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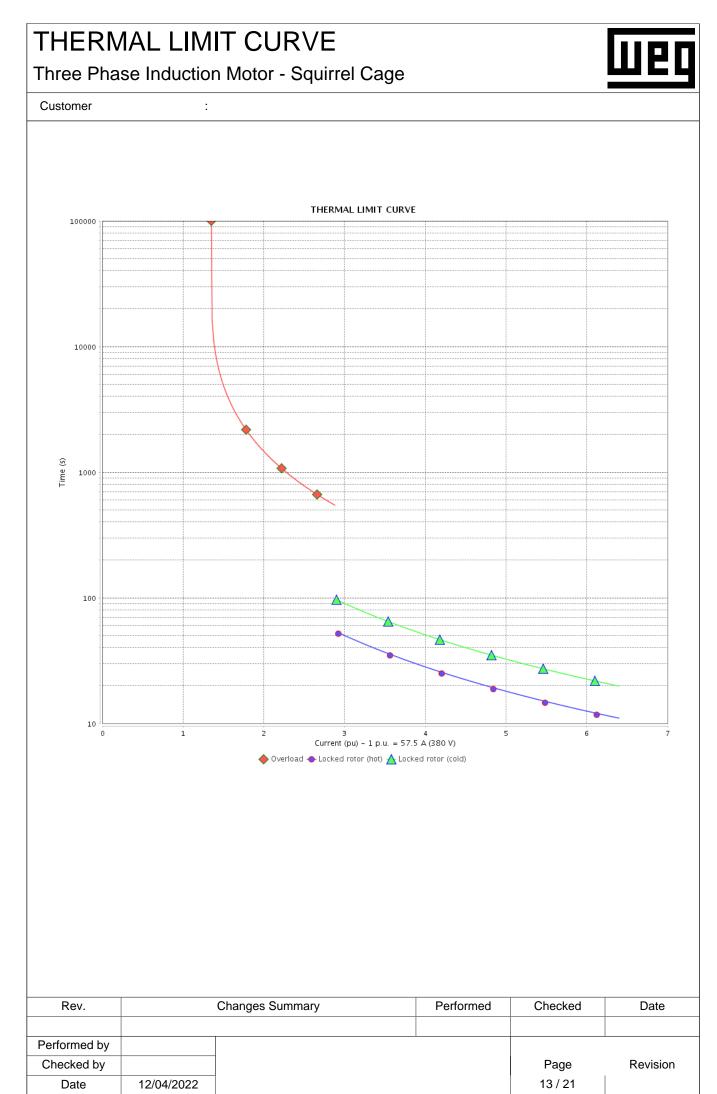
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Customer

Product line	: ⁻ E	W40 JM Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14837501 05036OT3E32	24JMV-W40
				Catalog # :	05036OT3E32	24JMV-W40
Porformanco	· 2	80 V 50 Hz 2P IE3				
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed				class ctor	: 3.02 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	12/04/2022	-			12/21	

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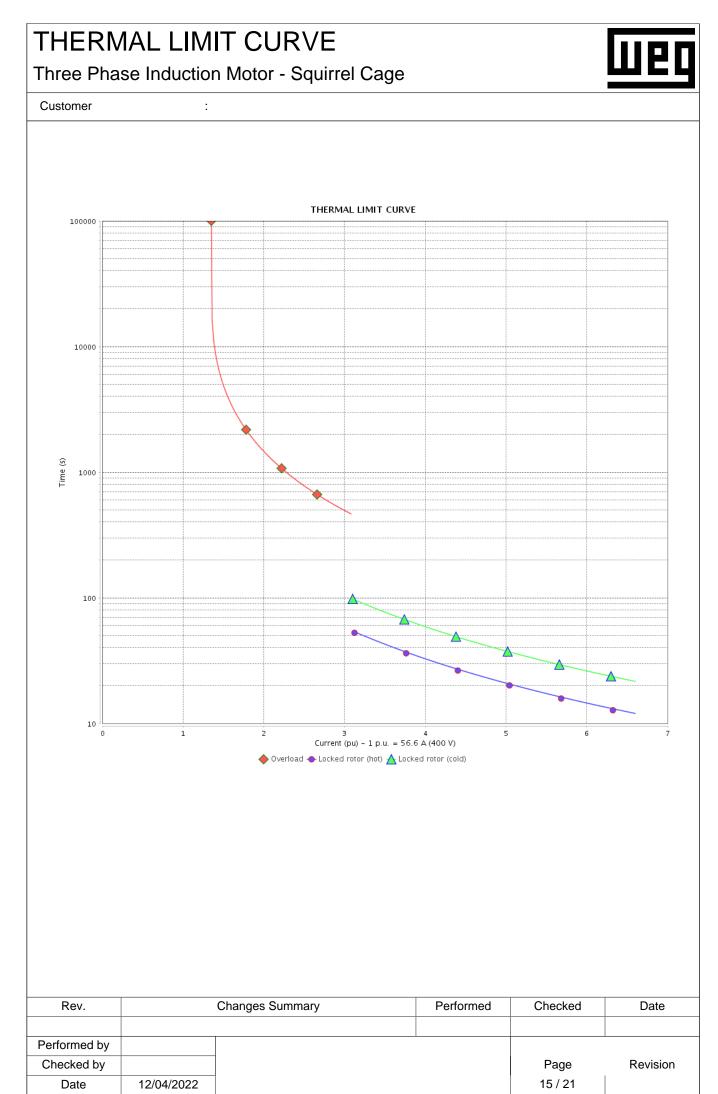
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Customer

Product line	: [:] E	W40 JM Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14837501 050360T3E32	24JMV-W40
Performance Rated current LRC		00 V 50 Hz 2P IE3 6.6 A 6	Moment of inertia (J) Duty cycle		: 3.02 sq.ft.lb : Cont.(S1)	
LRC Rated torque Locked rotor torque Breakdown torque Rated speed		.0 0.8 ft.lb 29 % 40 % 965 rpm	Insulation Service fa Temperate Design	class ctor	: F : 1.00 : 80 K : B	
Heating constan	t		-			
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THERMAL LIMIT CURVE

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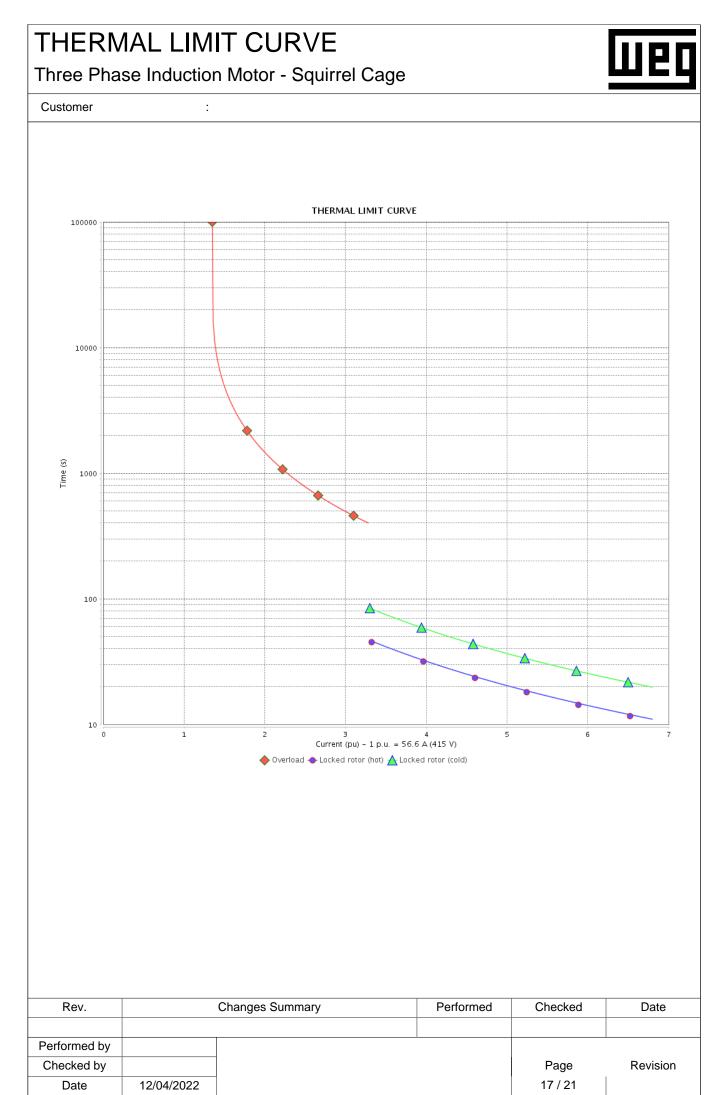
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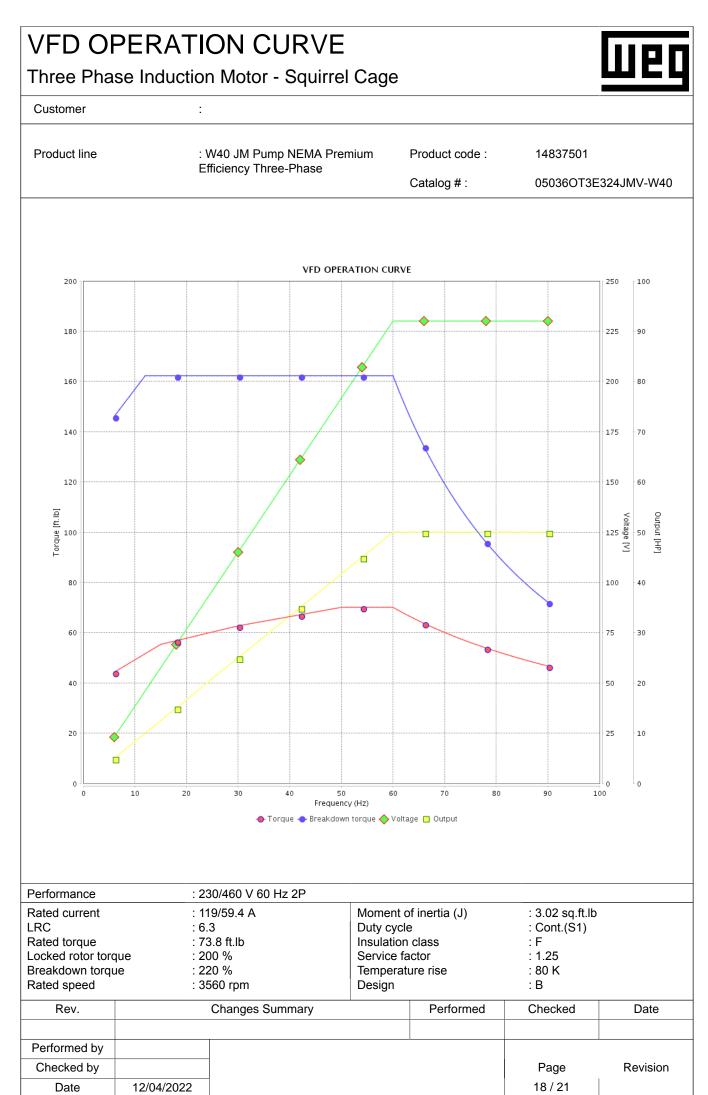


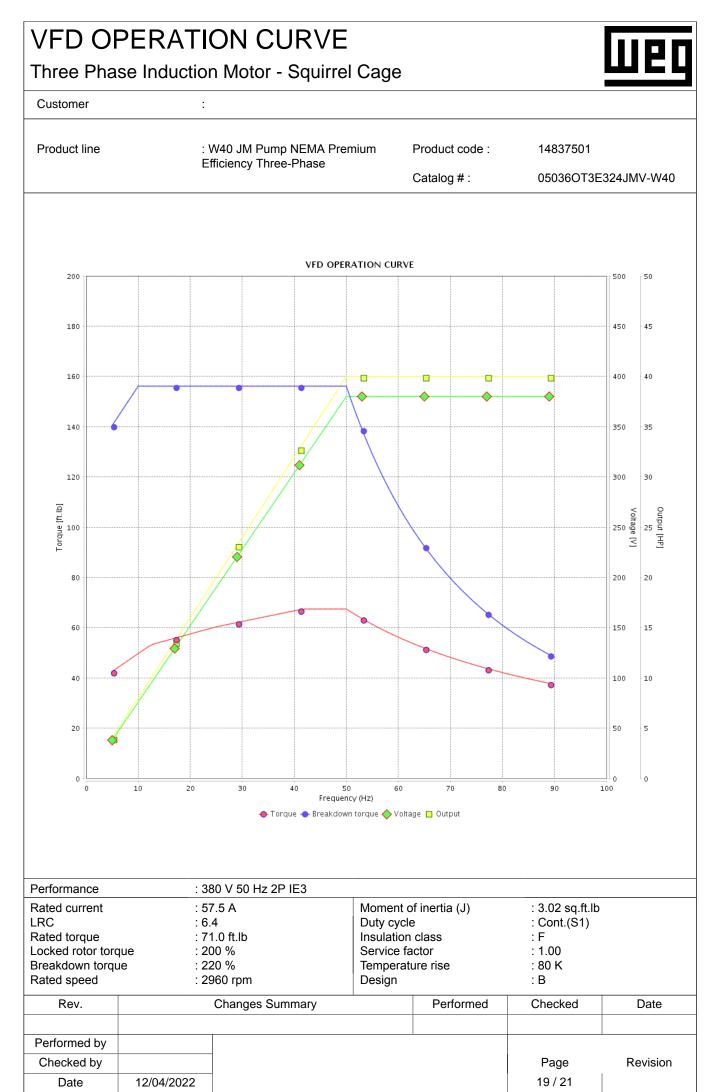
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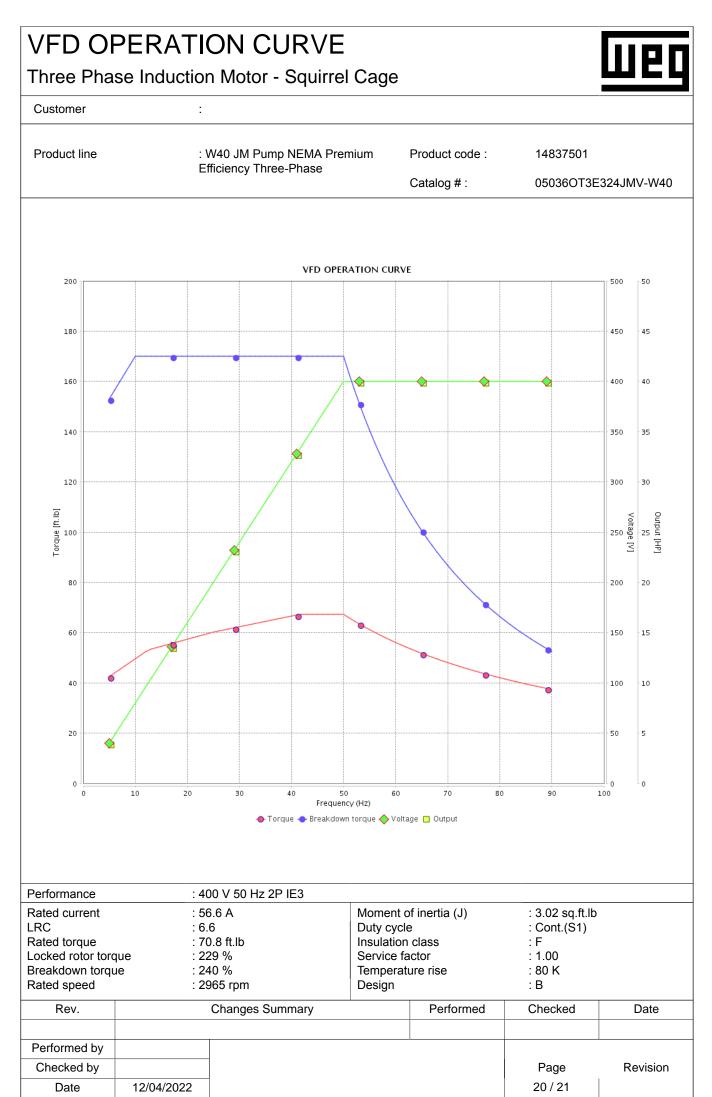
Product line		: W40 JM Pump NEMA Pren Efficiency Three-Phase		Product code : Catalog # :	14837501 05036OT3E3	24 IM\/-\\/40
Performance	:	415 V 50 Hz 2P IE3				
Rated current		56.6 A	Moment of	of inertia (J)	: 3.02 sq.ft.lb	
LRC Rated torque		6.8 70.8 ft.lb	Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor tore	que :	: 240 % Ser		actor	: 1.00	
Breakdown torqu Rated speed		260 %	Temperature rise		: 80 K : B	
		2965 rpm	Design		. U	
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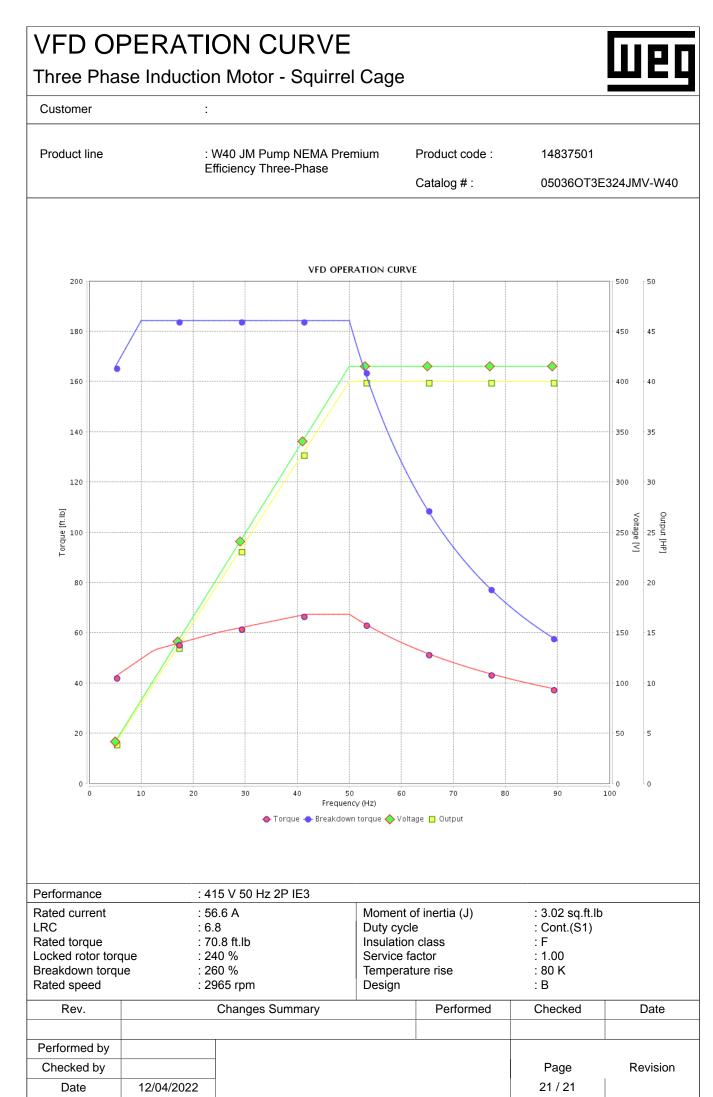
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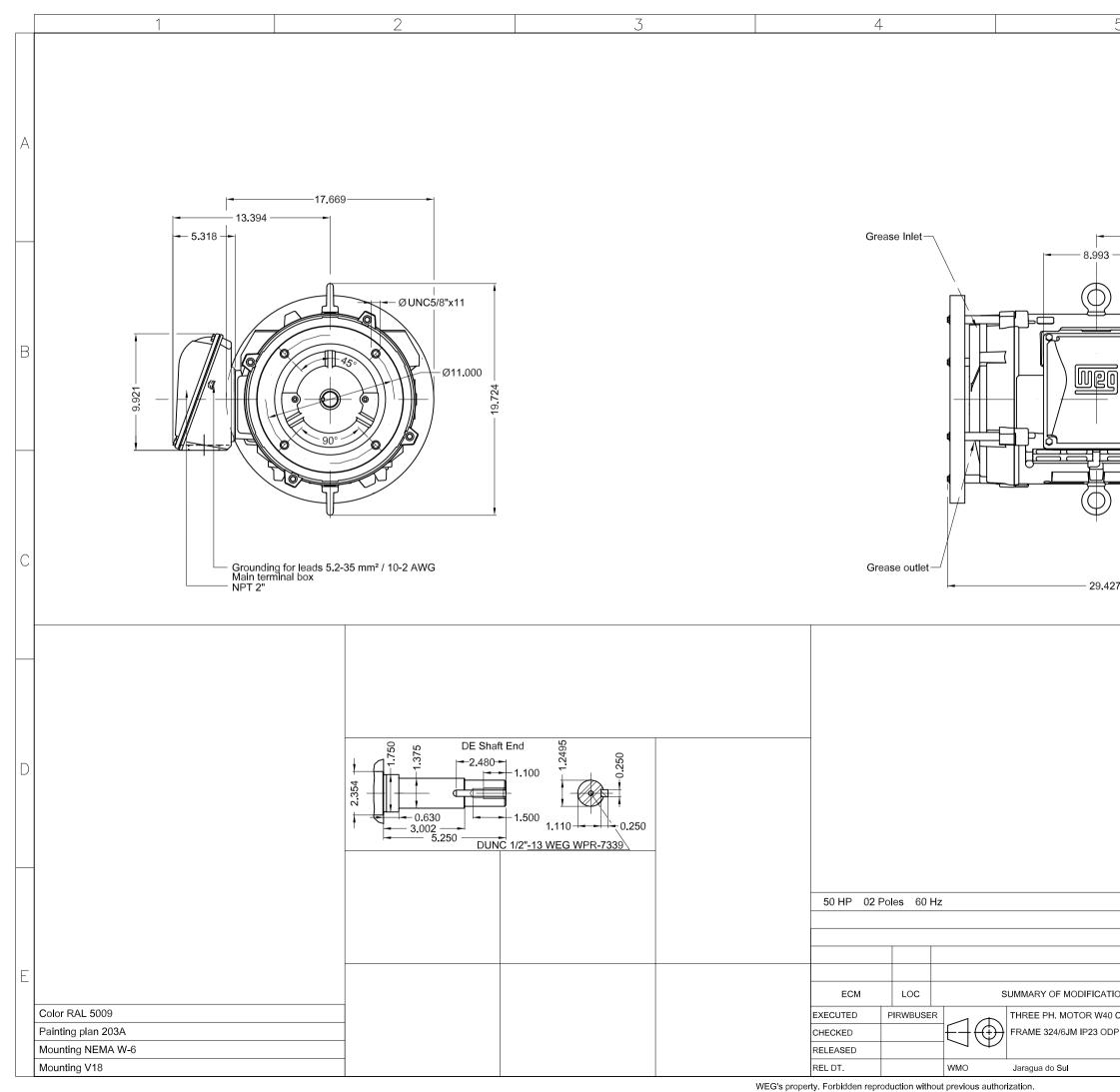








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