# DATA SHEET

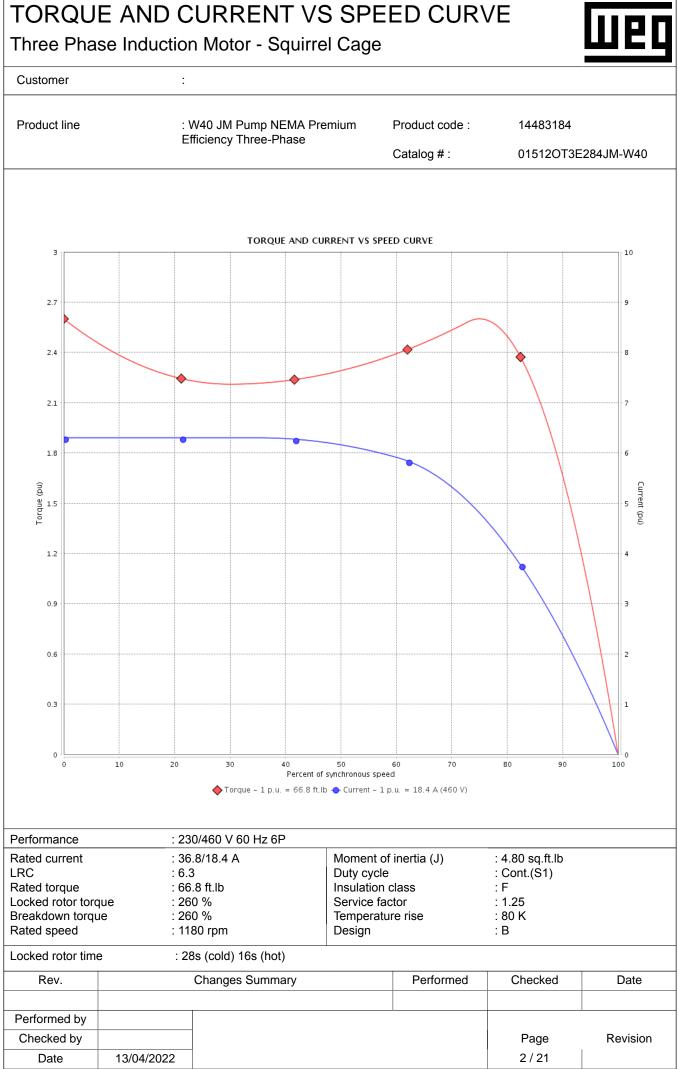
Three Phase Induction Motor - Squirrel Cage

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#### Customer

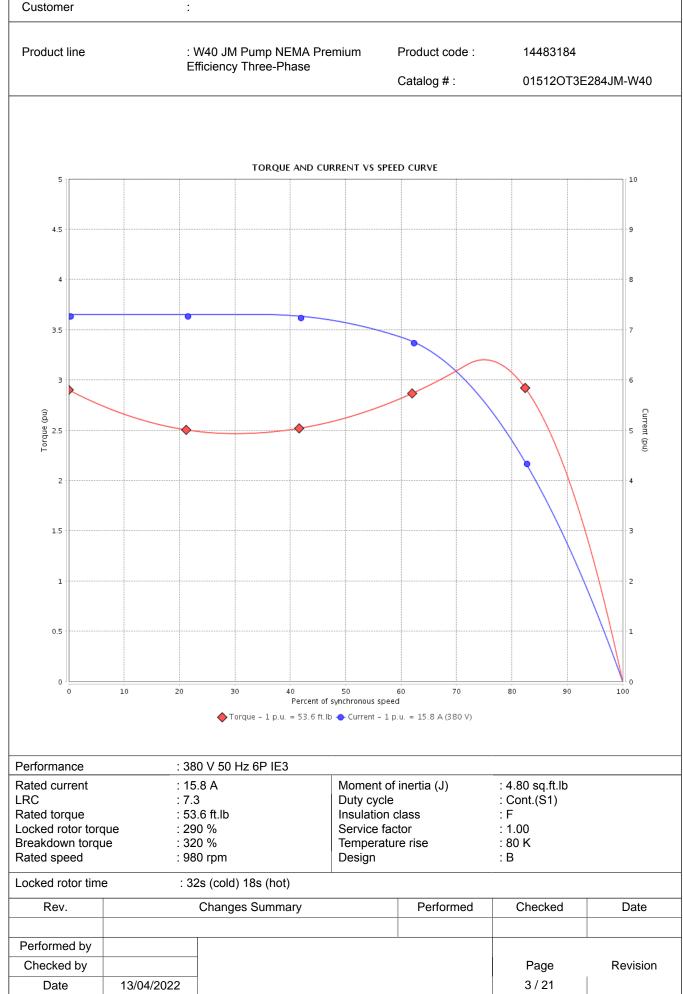
Product line		: W40 JM Pump NEM Efficiency Three-Phas		um Pro	duct code :	144831	84
			be	Cata	alog # :	015120	DT3E284JM-W40
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 284JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling met Mounting Rotation <sup>1</sup> Starting me Approx. wei Moment of i	thod ght <sup>3</sup>		(CW and CCW) t On Line
Output [HP]		15	1	10	10		10
Poles		6		6	6	/	6
Frequency [Hz]		60		50	50	)	50
Rated voltage [V]		230/460		380	400		415
Rated current [A]		36.8/18.4		15.8	15.		15.4
. R. Amperes [A]		232/116		115	10.		122
.RC [A]		6.3x(Code G)	7 :	3x(Code J)	7.5x(Co		7.9x(Code K)
No load current [A	1	15.6/7.80		7.80	8.4	,	8.90
Rated speed [RPI		1180		980	98		985
Slip [%]	1	1.67		2.00	1.5		1.50
Rated torque [ft.lb	1	66.8		53.6	53.		53.3
Locked rotor torqu		260		290	330		360
Breakdown torque		260		320	350		380
Service factor		1.25		1.00	1.0		1.00
Temperature rise		80 K		80 K	80		80 K
_ocked rotor time		28s (cold) 16s (hot)	32s (c	cold) 18s (hot)			28s (cold) 16s (hot)
Noise level <sup>2</sup>		59.0 dB(A)	(				
	25%	90.8		88.3	88.	4	88.4
	50%	91.0		88.6	88.		88.6
Efficiency (%)         50%         91.0         88.6         88.6           75%         91.7         89.0         89.0           100%         91.7         89.1         89.1		89.0					
							89.1
	25%	0.42		0.37	0.3		0.31
<b>-</b>	50%	0.67		0.62	0.5		0.55
Power Factor	75%	0.77		0.75	0.7		0.68
	100%	0.82		0.81	0.7		0.76
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: 6311 Z C3 621 : Without Wi Bearing Seal Bear : 20000 h 20	ive end 1 Z C3 ithout ing Seal 000 h 11 g	Foundation I Max. traction Max. compre	1		
Notes USABLE @208V	′ 40.7A SF 1.			<u> </u>			
must be eliminate (1) Looking the m (2) Measured at 7	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				sts with sinusoidal stipulated in NEMA
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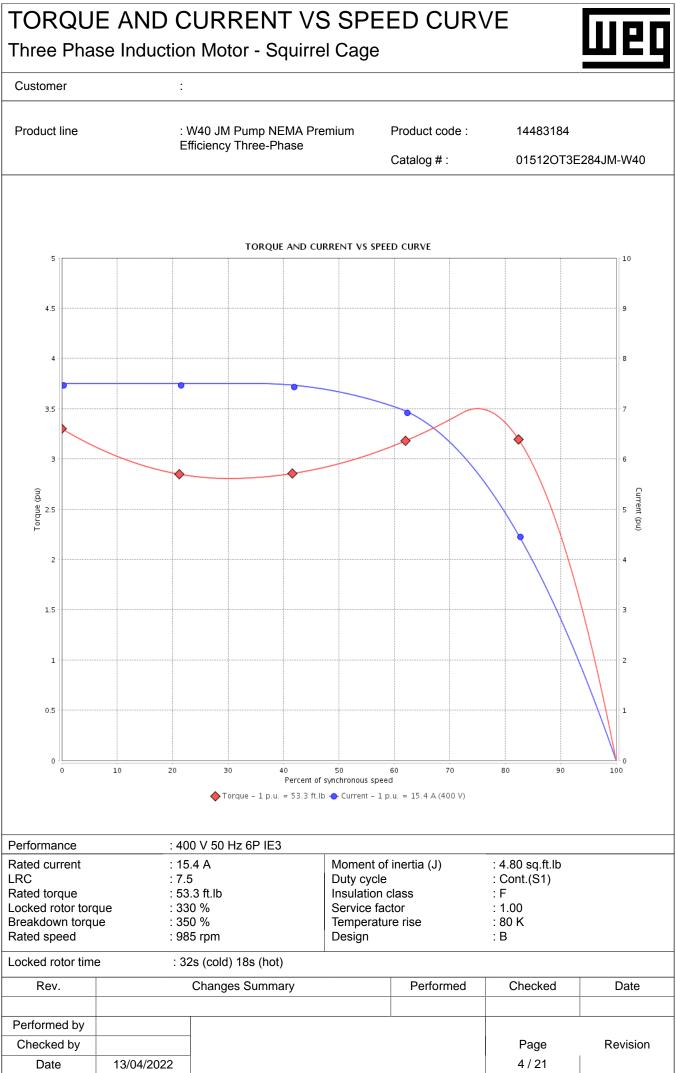
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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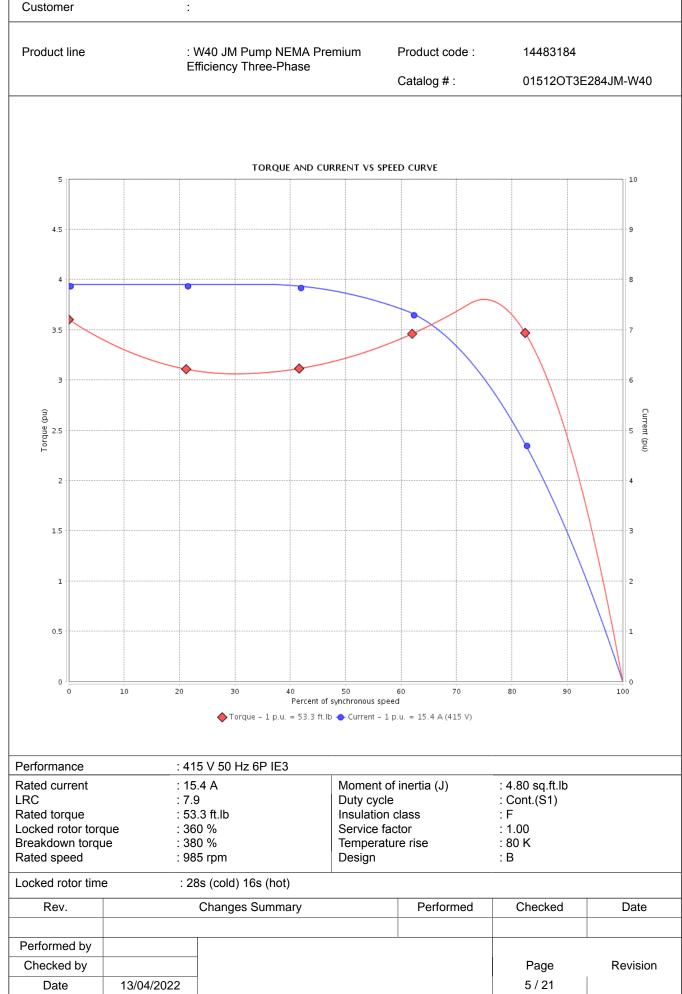
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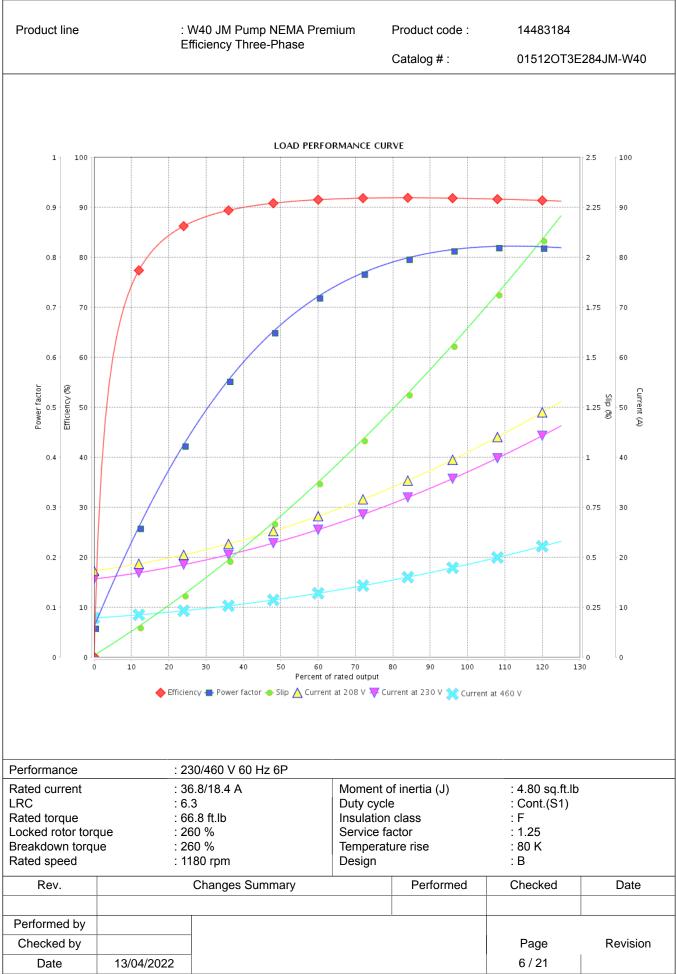
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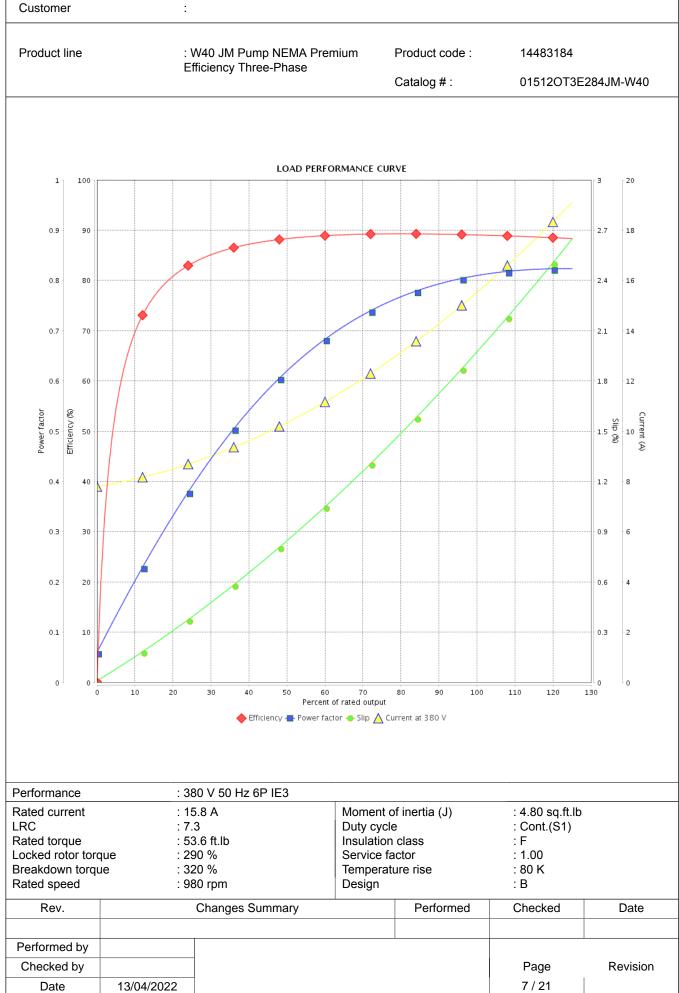


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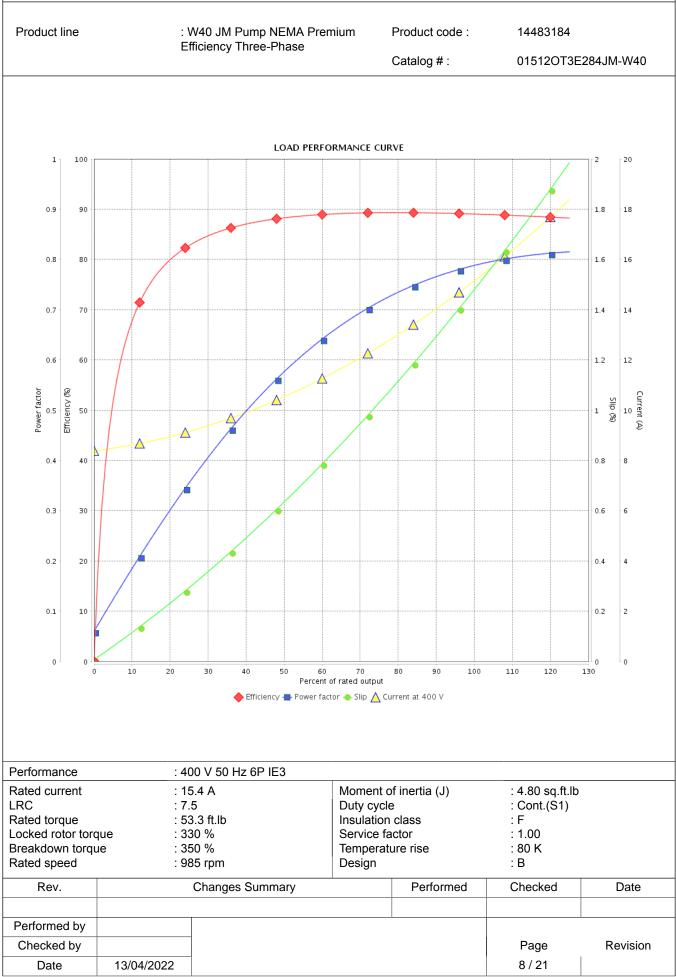
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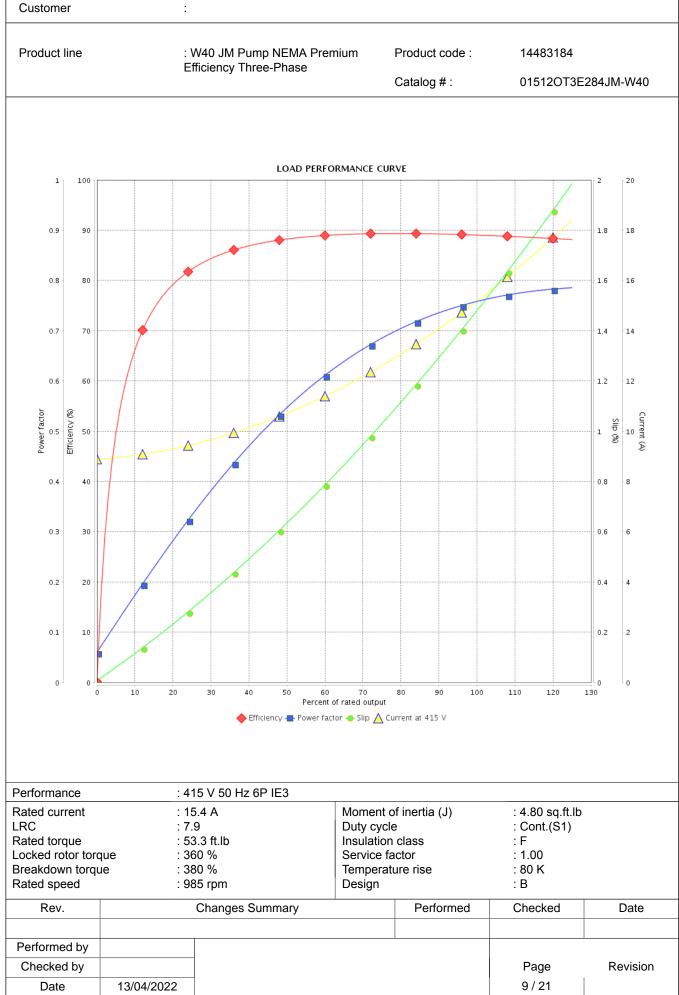


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### THERMAL LIMIT CURVE

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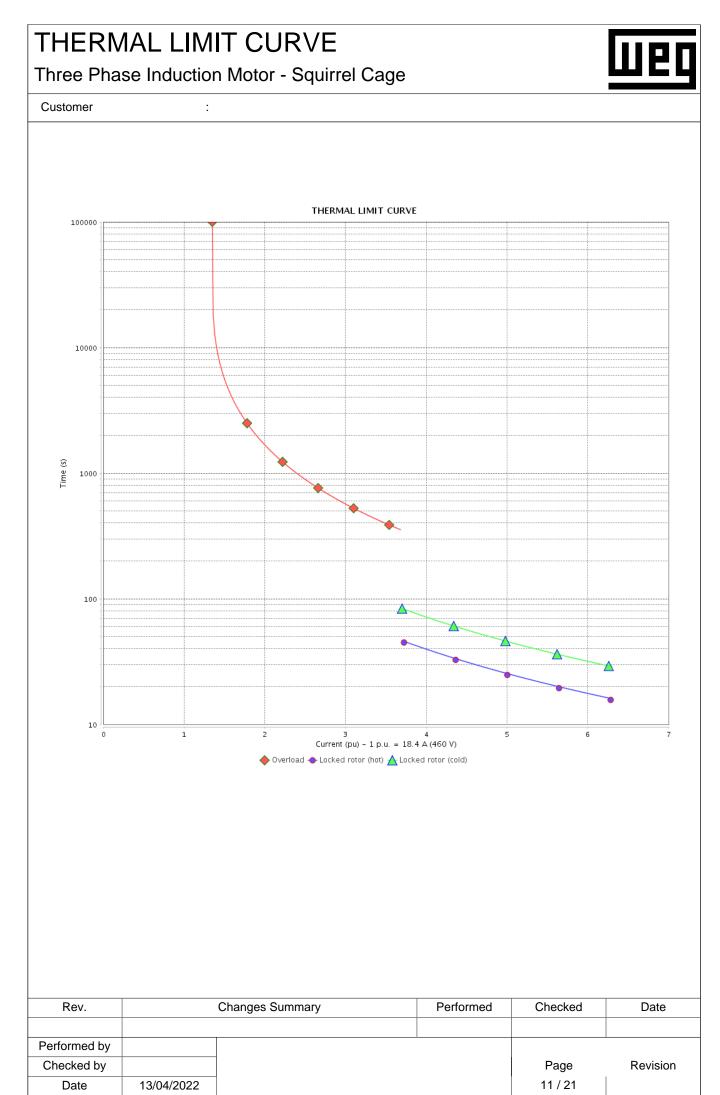


Customer

Product line		: W40 JM Pump NEMA Premiu Efficiency Three-Phase		Product code :	14483184		
				Catalog # :	01512OT3E284JM-W40		
Performance	: 23	30/460 V 60 Hz 6P					
Rated current LRC		6.8/18.4 A		f inertia (J)	: 4.80 sq.ft.lb : Cont.(S1)		
Rated torque		.5 6.8 ft.lb	Duty cycle Insulation class		: F		
Locked rotor toro			Service factor		: 1.25		
Breakdown torqu	kdown torque : 260 %		Temperature rise		: 80 K		
Rated speed	: 11	180 rpm	Design		: B		
Heating constant							
Cooling constant	[ 				<u></u>		
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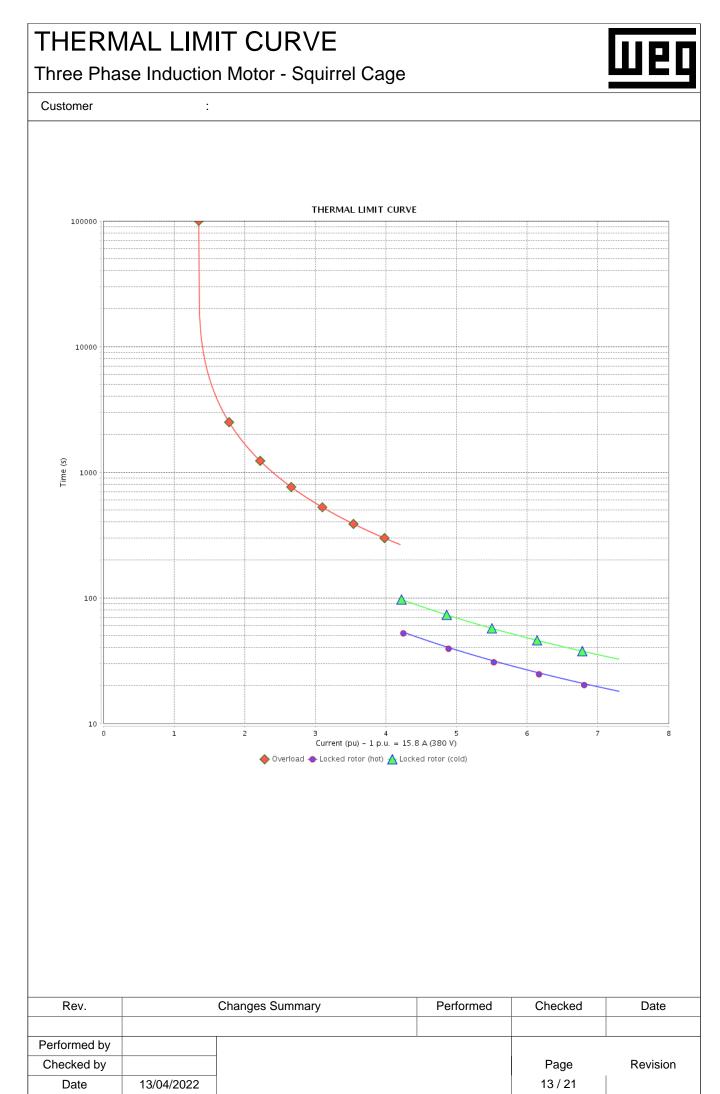


Customer

Product line		N40 JM Pump NEMA Prem	nium Product code : Catalog # :		14483184 01512OT3E284JM-W40	
	Ef	fficiency Three-Phase				
				-		
Performance	· 38	30 V 50 Hz 6P IE3				
Rated current		5.8 A	Momento	f inertia (I)	: 4.80 sq.ft.lb	
LRC	: 7.		Moment of inertia (J) Duty cycle		: Cont.(S1)	
Rated torque : 53.6 ft.lb			Insulation class		: F	
	Locked rotor torque : 290 %		Service factor		: 1.00	
Breakdown torque : 320 % Rated speed : 980 rpm		Temperature rise Design		: 80 K : B		
			20091			
Heating constant						
Cooling constant						
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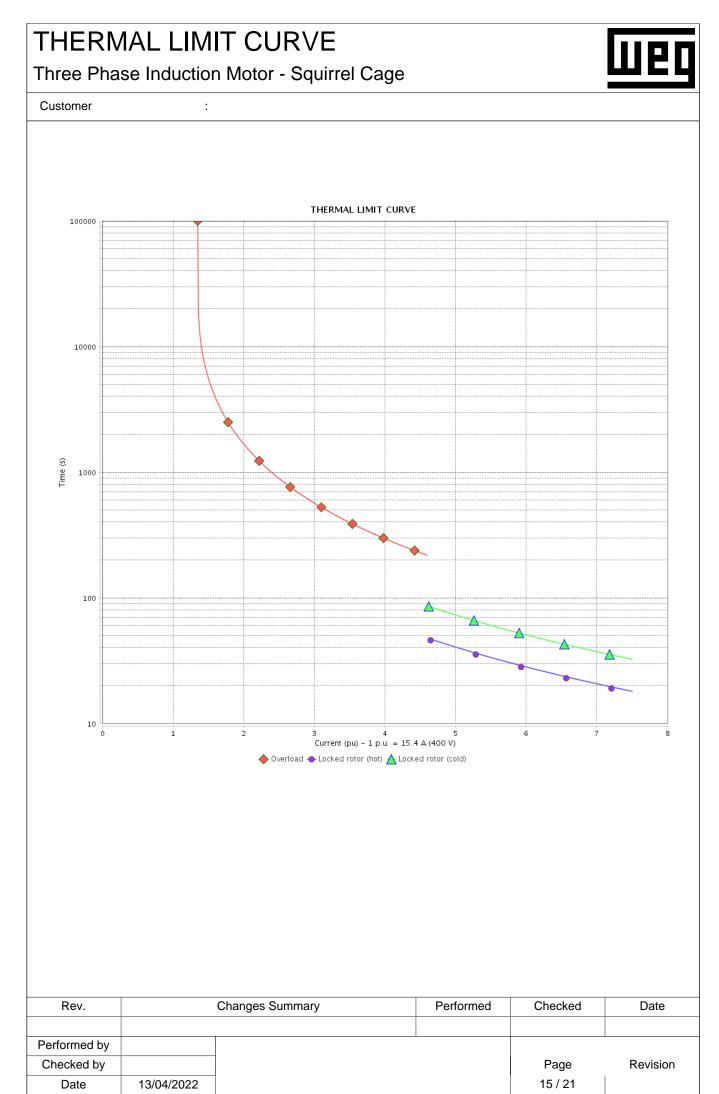


Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14483184 01512OT3E284JM-W40	
Performance	: 4	00 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		5.4 A .5 3.3 ft.lb 30 % 50 % 85 rpm	Moment of ir Duty cycle Insulation cla Service facto Temperature Design		: 4.80 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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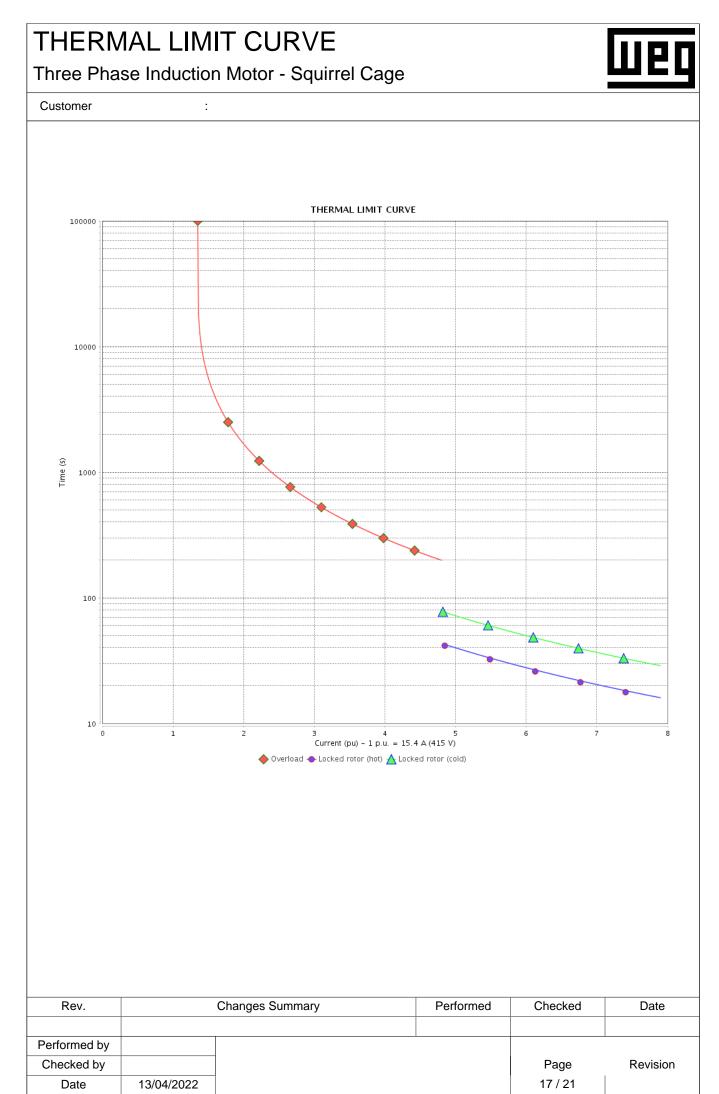


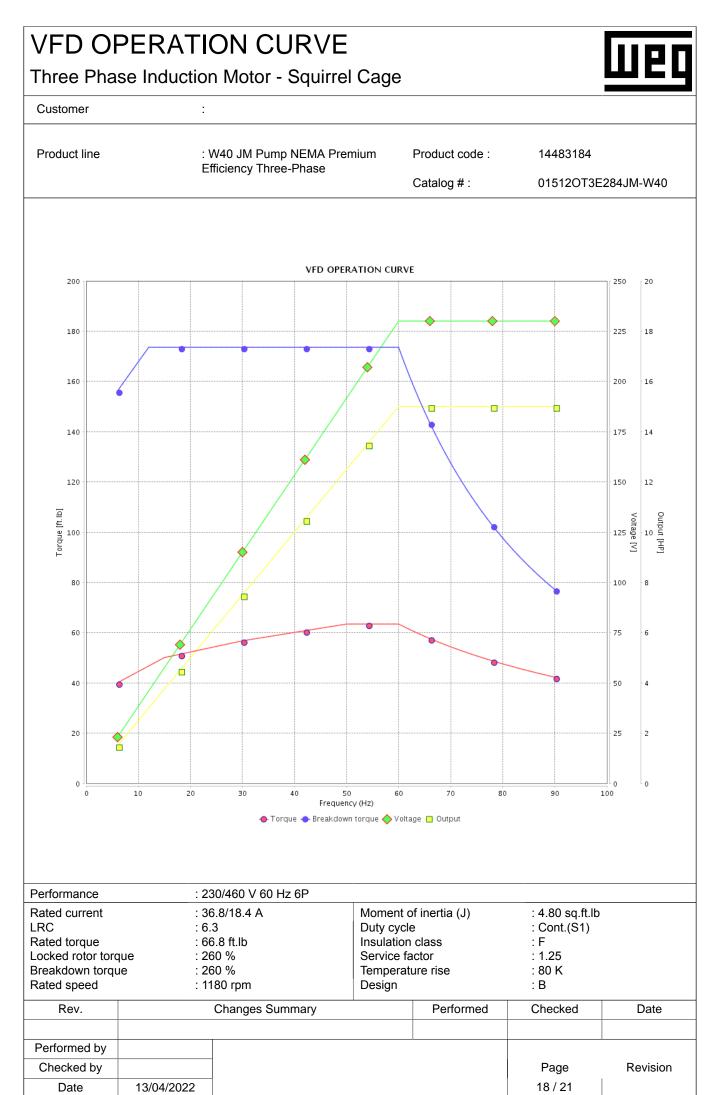
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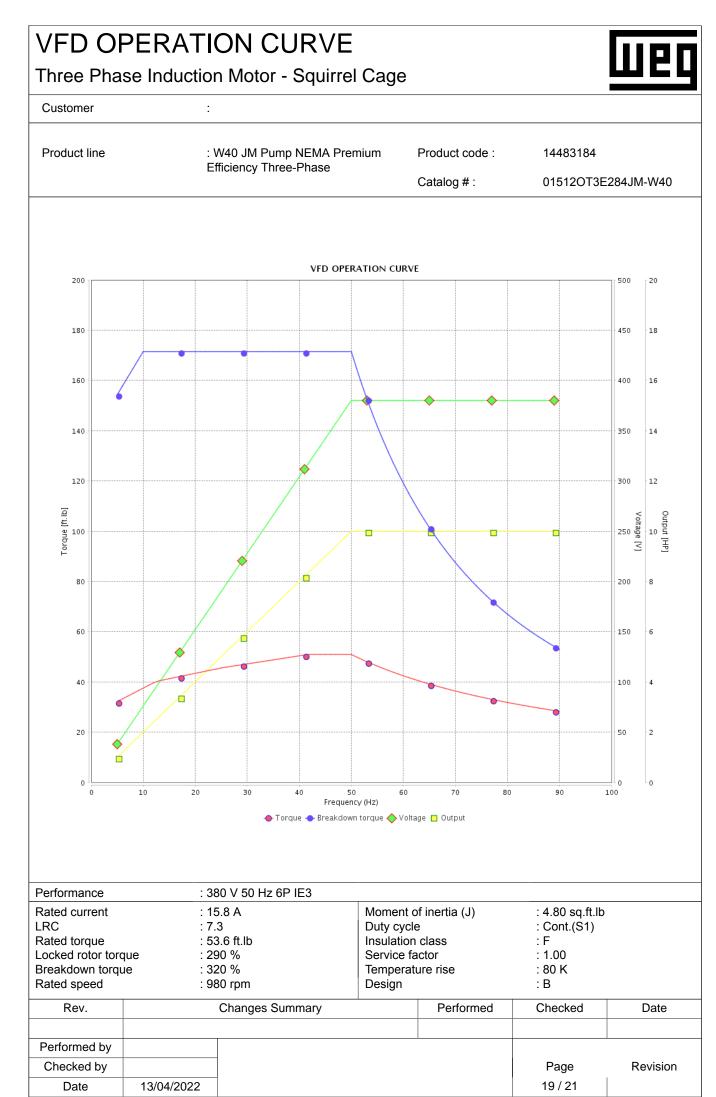
Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14483184 01512OT3E2	14483184 01512OT3E284JM-W40	
Porformanco	• 1						
Performance Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 1; : 7. : 5: ;ue : 30 ;ie : 31	15 V 50 Hz 6P IE3 5.4 A .9 3.3 ft.lb 60 % 80 % 85 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ictor	: 4.80 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
			Design		. U		
Heating constant Cooling constant							
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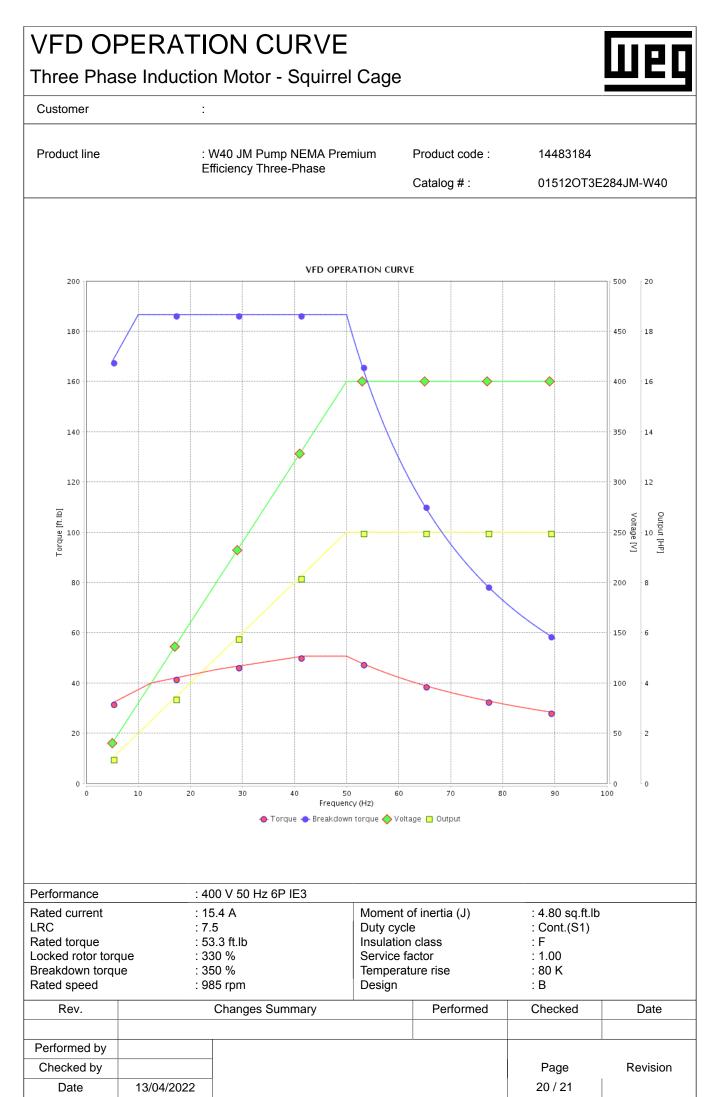
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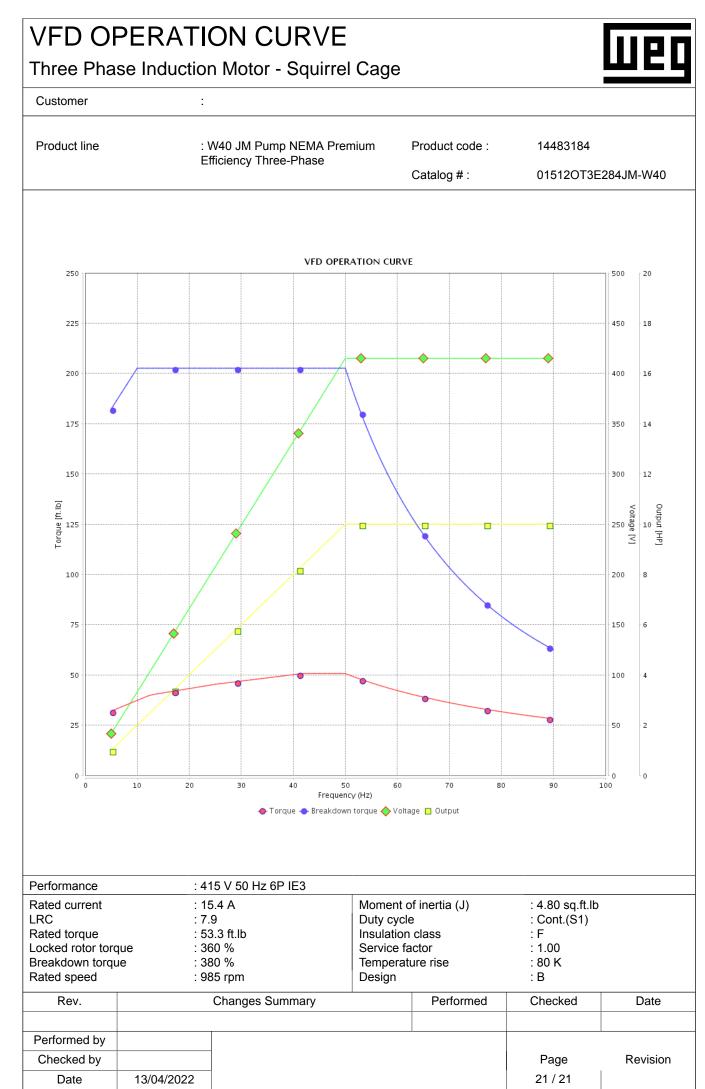
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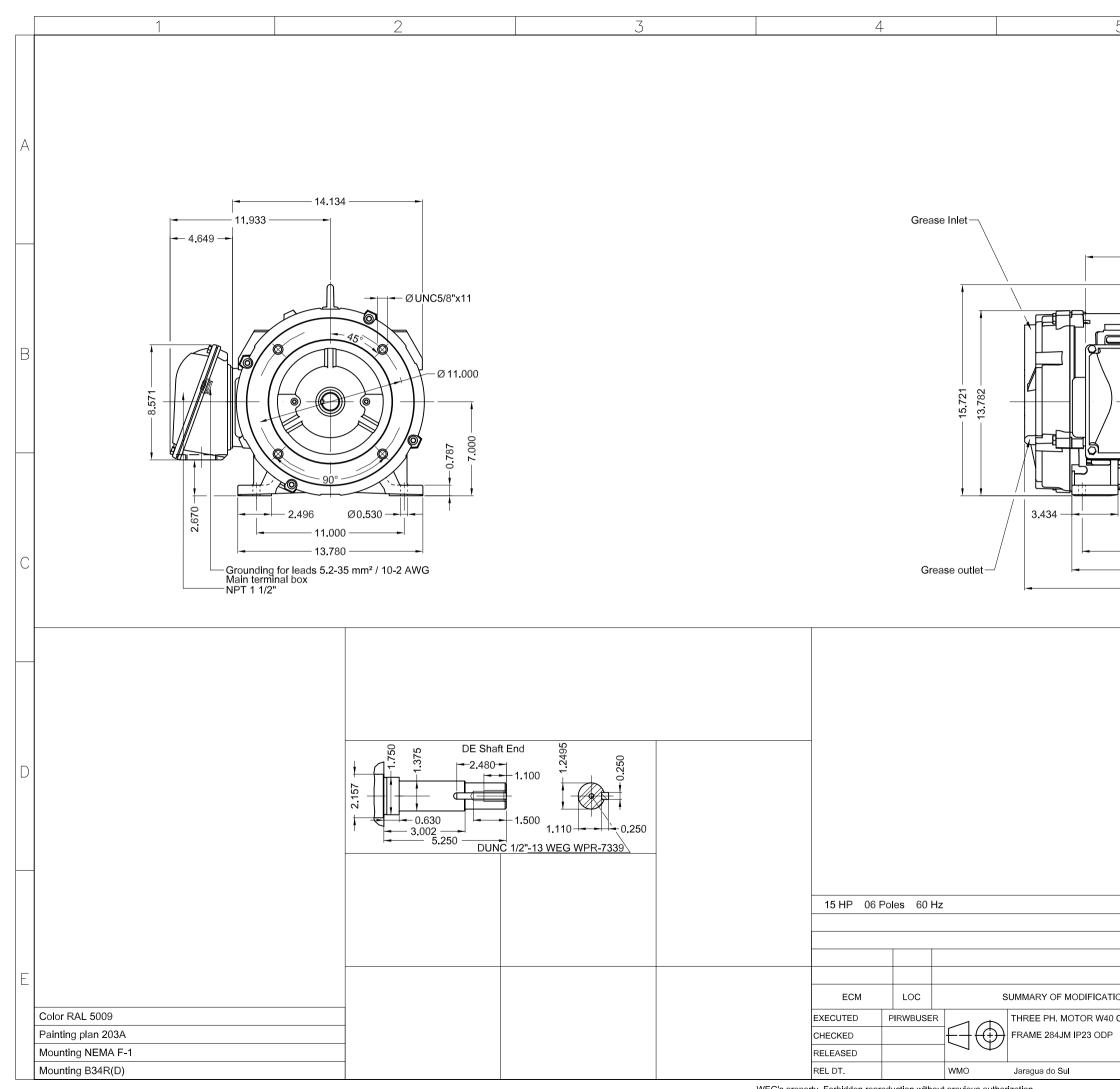












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