DATA SHEET

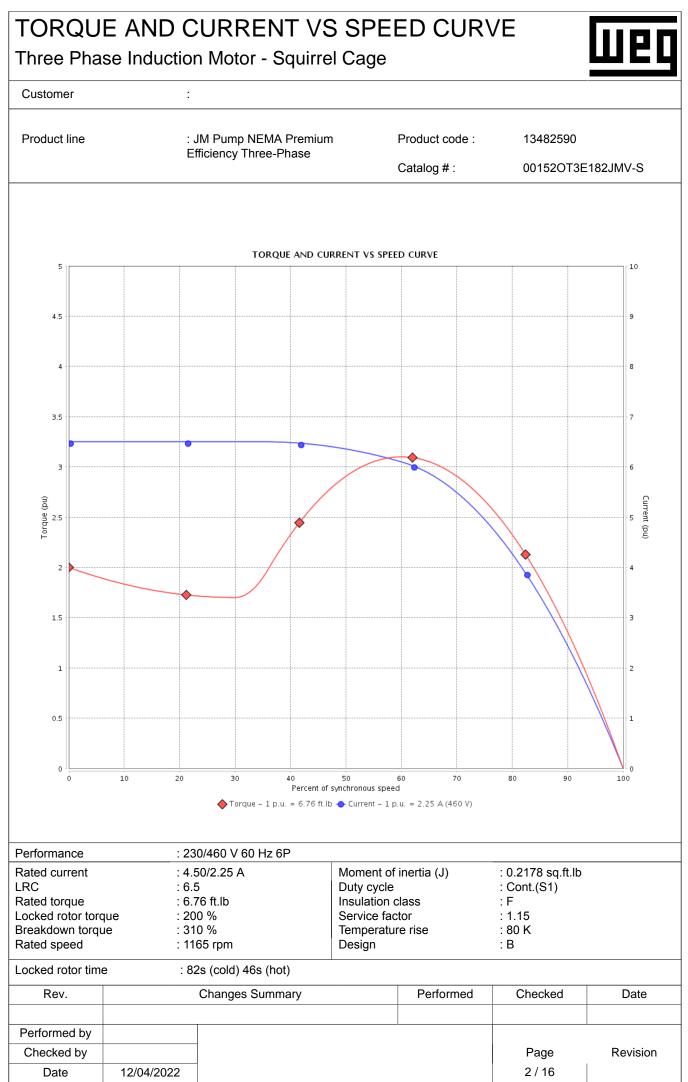
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code	13482590	13482590	
			Catalog # :	00152OT3E	00152OT3E182JMV-S	
Frame		: 182/4JM	Cooling method	: IC01 - OD	P	
Insulation class		: F	Mounting	: W-6		
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW	and CCW)	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On		
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 62.9 lb		
Design		: B	Moment of inertia (J)		ft.lb	
Output [HP]		1.5	1.5		1.5	
Poles		6	6		6	
Frequency [Hz]		60	50		50	
Rated voltage [V]		230/460	190/380	22	20/415	
Rated current [A]		4.50/2.25	5.24/2.62		4.79/2.54	
L. R. Amperes [A]		29.3/14.6	27.2/13.6		27.3/14.5	
LRC [A]		6.5x(Code J)	5.2x(Code G)		5.7x(Code H)	
No load current [A	1	2.74/1.37	2.69/1.35		30/1.49	
Rated speed [RPN	-	1165	950		955	
Slip [%]	.1	2.92	5.00		4.50	
Rated torque [ft.lb]		6.76	8.29		8.25	
Locked rotor torqu		200	160		190	
Breakdown torque		310	220		260	
Service factor	[,4]	1.15	1.15		1.15	
Temperature rise		80 K	80 K		80 K	
Locked rotor time		82s (cold) 46s (hot)	Os (cold) Os (ho		ld) 0s (hot)	
Noise level ²		52.0 dB(A)	50.0 dB(A)		0 dB(A)	
	25%	82.8	84.0		82.3	
	50%	84.0	83.3		82.3	
Efficiency (%)	75%	85.5	84.1		84.0	
	100%	86.5	82.8		83.5	
	25%	0.29	0.35		0.31	
	50%	0.29	0.59		0.54	
Power Factor	75%	0.63	0.39		0.67	
	100%	0.00	0.77		0.75	
		Drive end Non drive end				
Bearing type		: 6207 ZZ 6205 ZZ				
			Max. traction : 105 lb Max. compression : 168 lb			
Sealing		: Without Without Bearing Seal Bearing Sea	Max. compression	UI 801 .		
Lubrigation interval		·	u			
Lubrication interval Lubricant amount		· · ·				
Lubricant type		: Mobil Polyrex EM				
••						
Notes USABLE @208V	4.98A SF 1.	00 SFA 4.98A				
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	olerance of +3dB(A). t to changes after	power supply, subject MG-1.	lues based on tests wi to the tolerances stipu		
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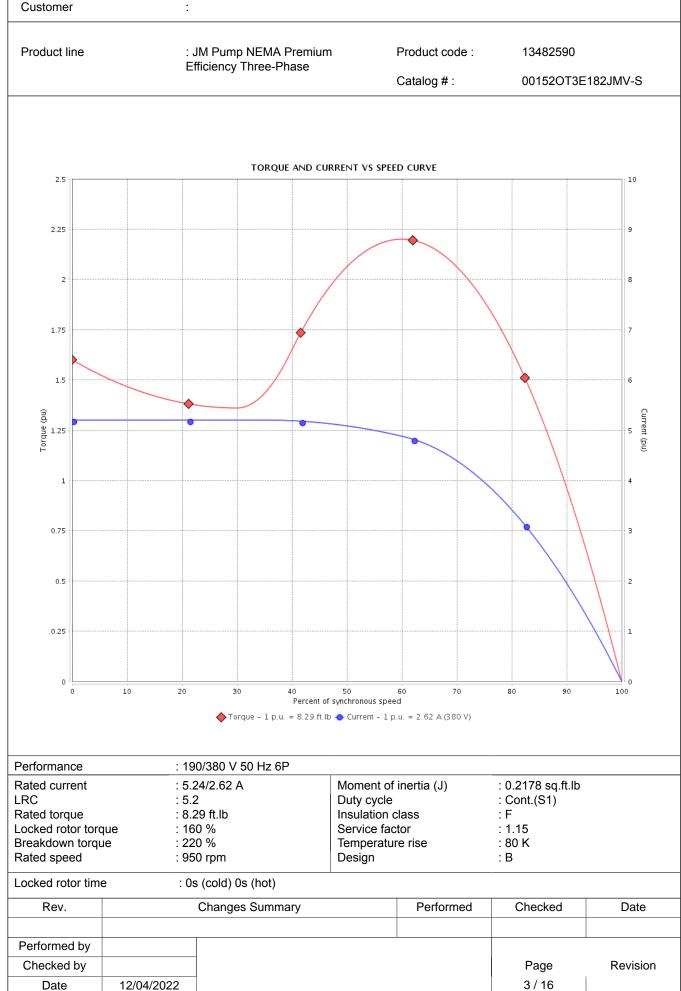


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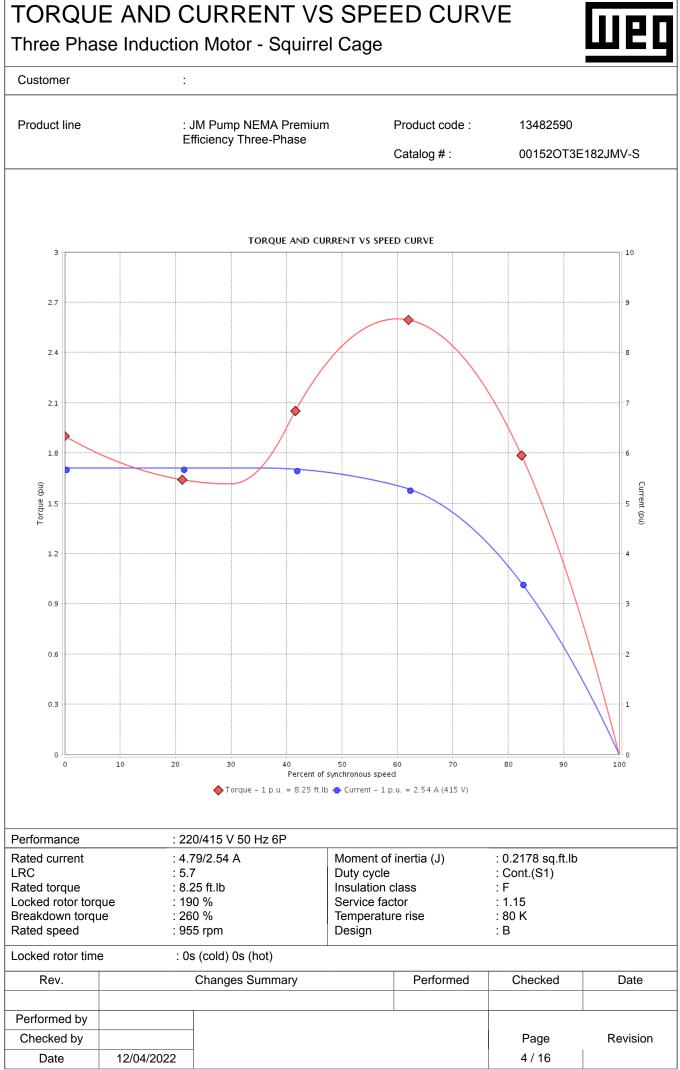
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



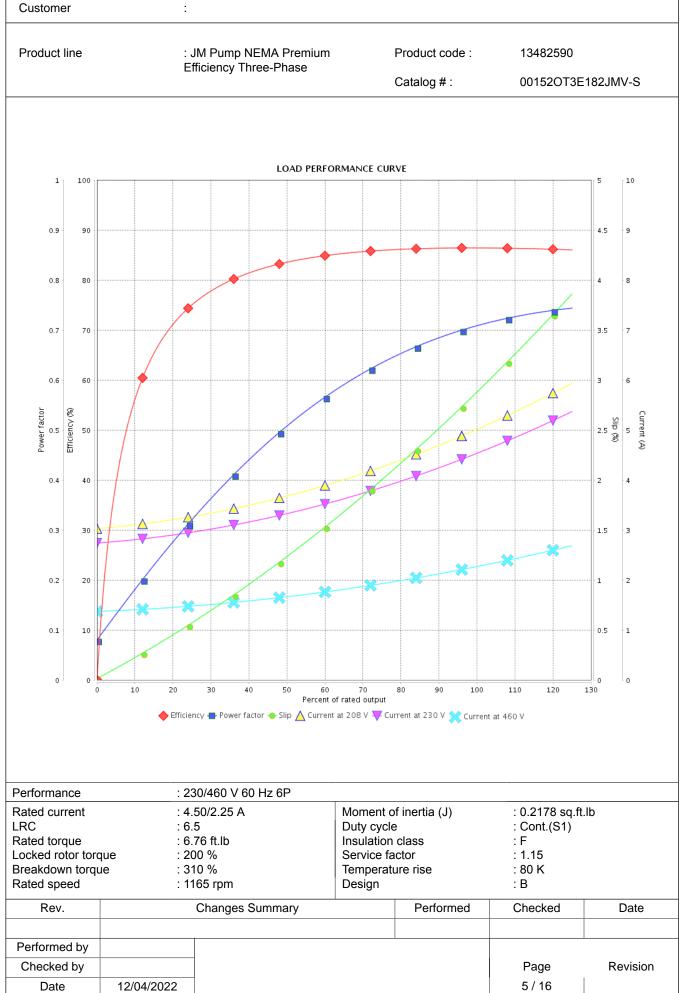
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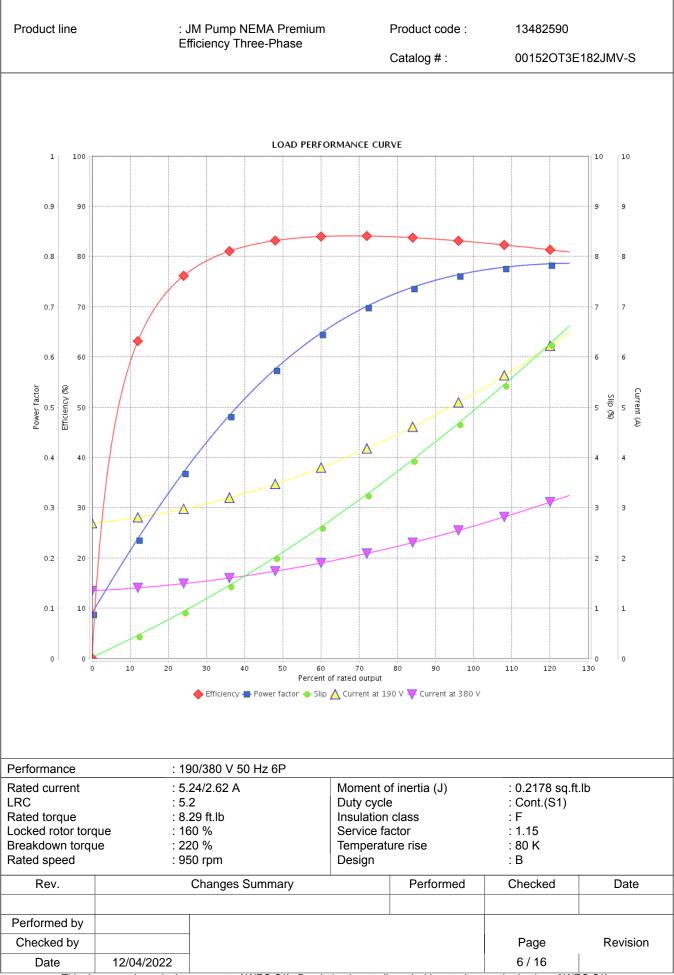
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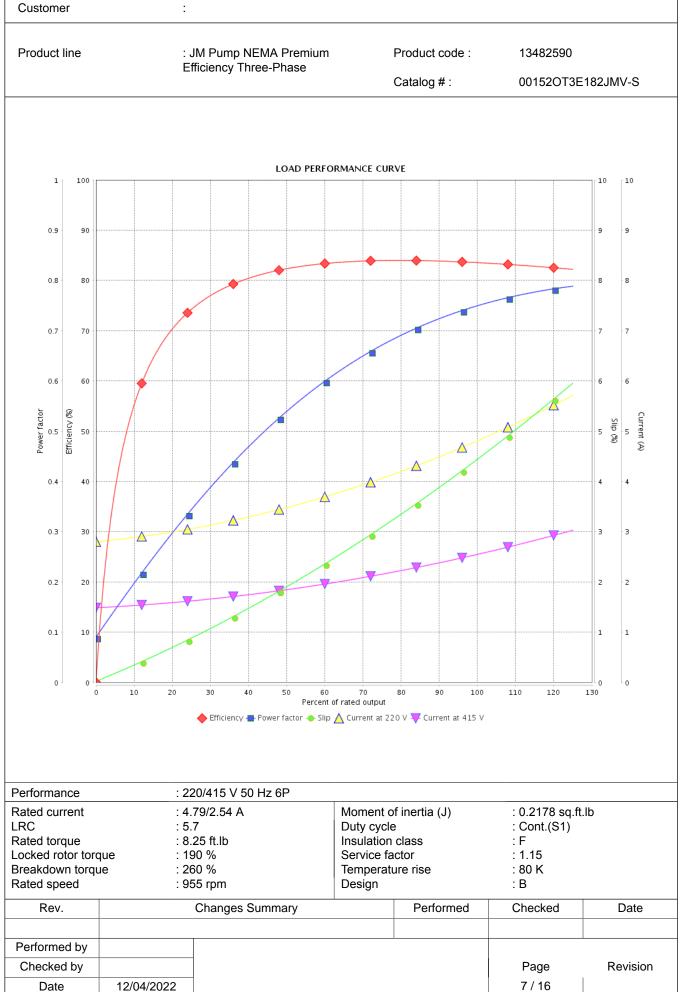
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THERMAL LIMIT CURVE

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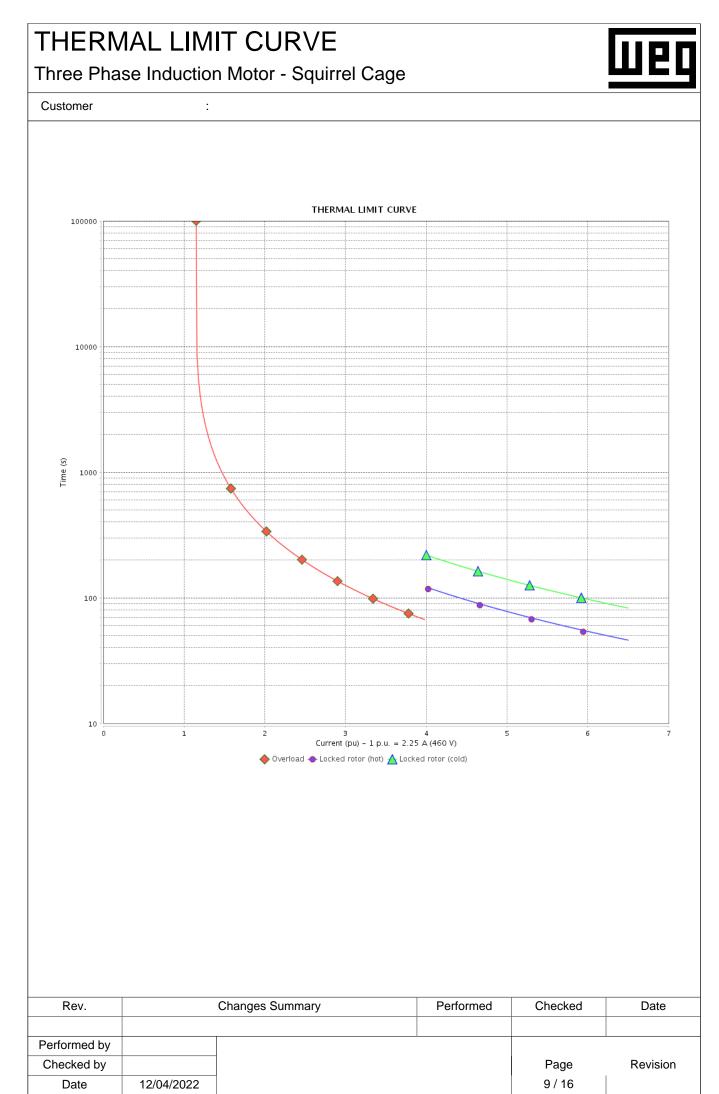
Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13482590		
				Catalog # :	00152OT3E1	82JMV-S	
Performance	: 23	30/460 V 60 Hz 6P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque		4.50/2.25 A Moment 6.5 Duty cyc 6.76 ft.lb Insulation 200 % Service 310 % Tempera 1165 rpm Design		class ctor	: 0.2178 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant							
Cooling constant							
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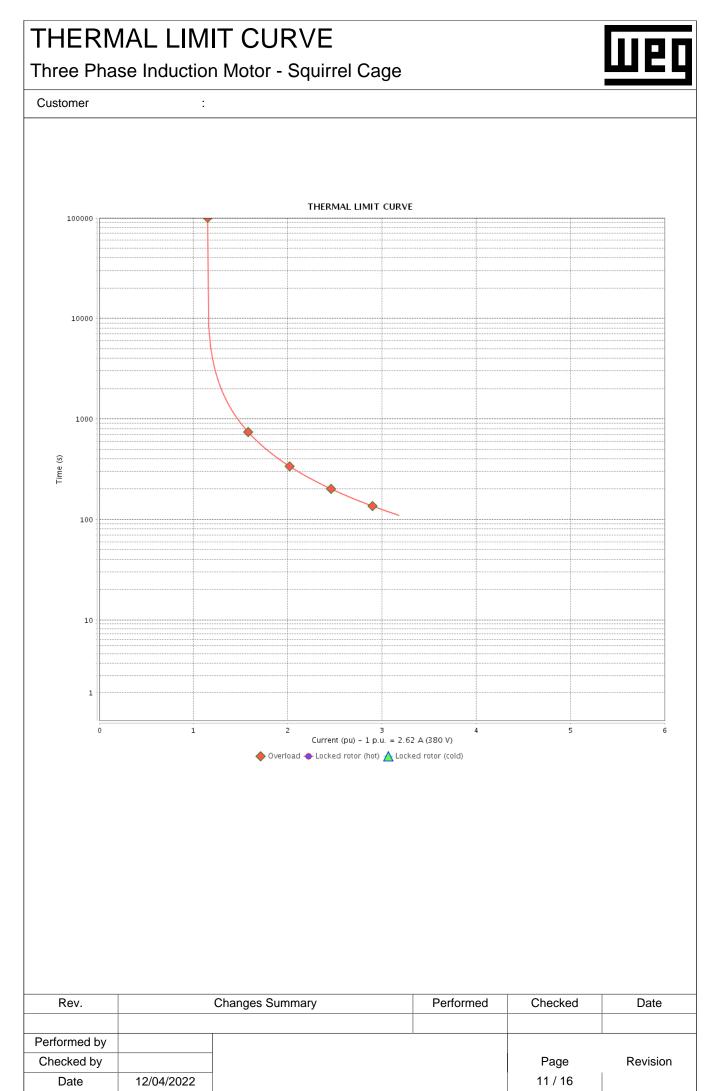


Customer

Product line	: c Ef	: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	13482590 00152OT3E182JMV-S	
Performance	• 10	90/380 V 50 Hz 6P				
Rated current		24/2.62 A	Moment of inertia (J)		: 0.2178 sq.ft.lb	
LRC	: 5.	2	Duty cycle		: Cont.(S1)	
Rated torque : 8.29 ft.lb			Insulation class		: F	
Locked rotor torque : 160 %		Service factor		: 1.15 : 80 K		
Rated speed	eakdown torque : 220 % ated speed : 950 rpm		Temperature rise Design		: B	
Heating constant			Beolgi		. D	
Cooling constant						
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THERMAL LIMIT CURVE

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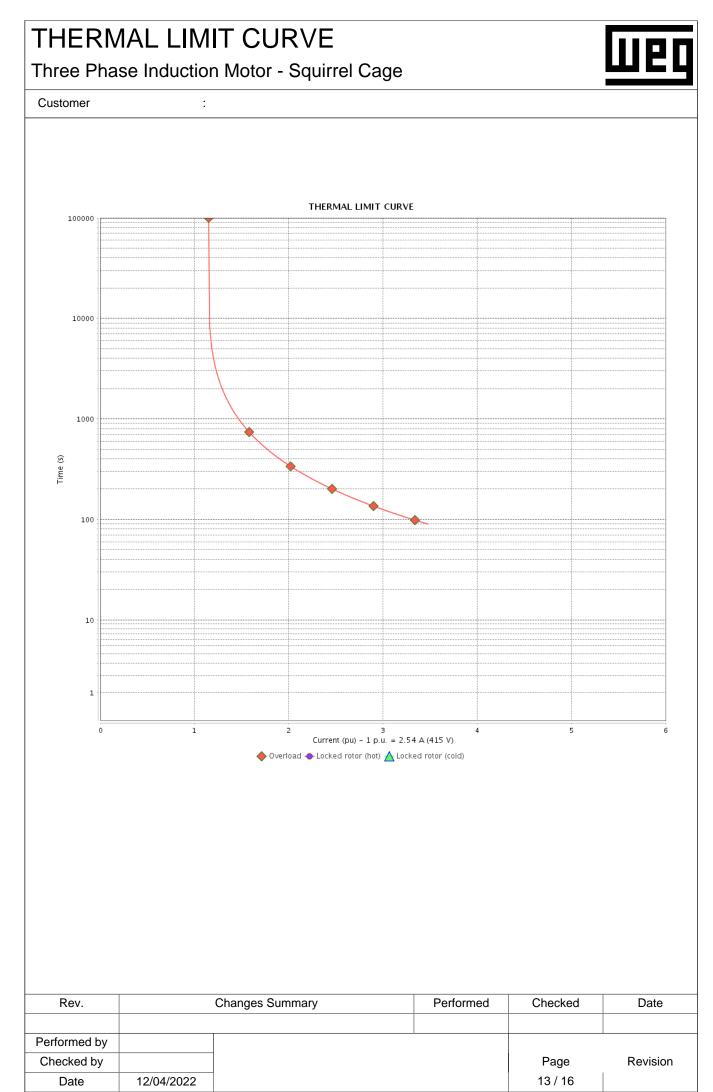


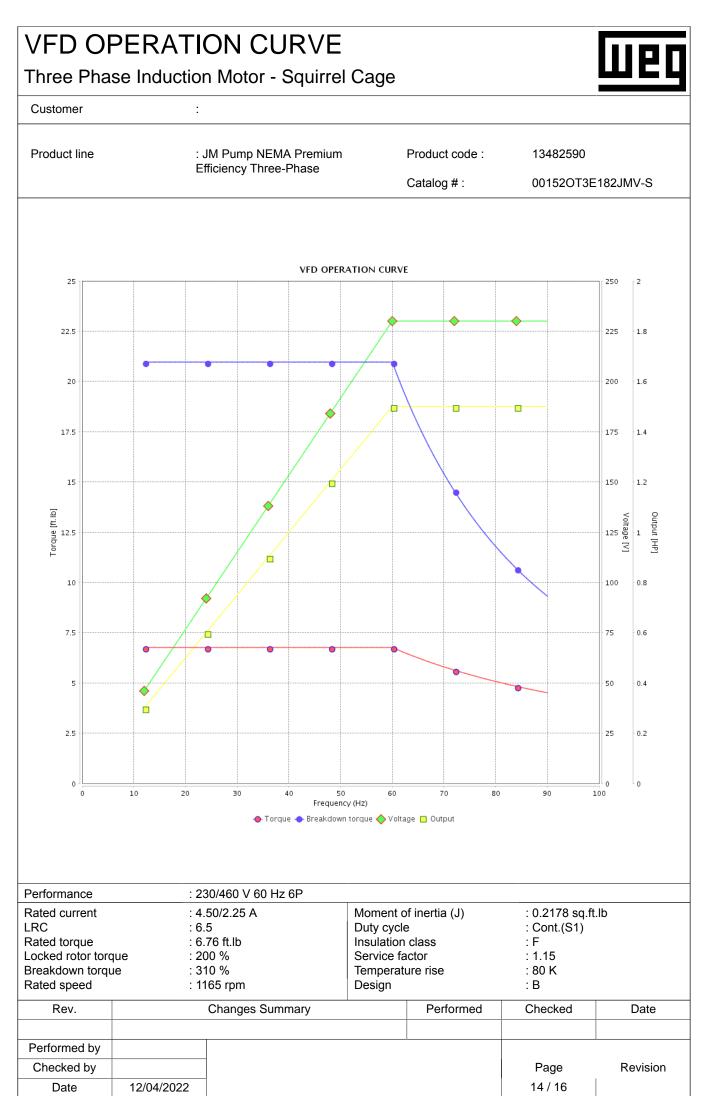
Customer

Product line	ct line : JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :		13482590 00152OT3E182JMV-S	
Performance	.22	20/415 V 50 Hz 6P				
Performance	: 22	20/415 V 50 Hz 6P				
Rated current: 4.79/2.54 A.RC: 5.7Rated torque: 8.25 ft.lb.ocked rotor torque: 190 %Breakdown torque: 260 %Rated speed: 955 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2178 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb	
Heating constant	•					
Cooling constant						
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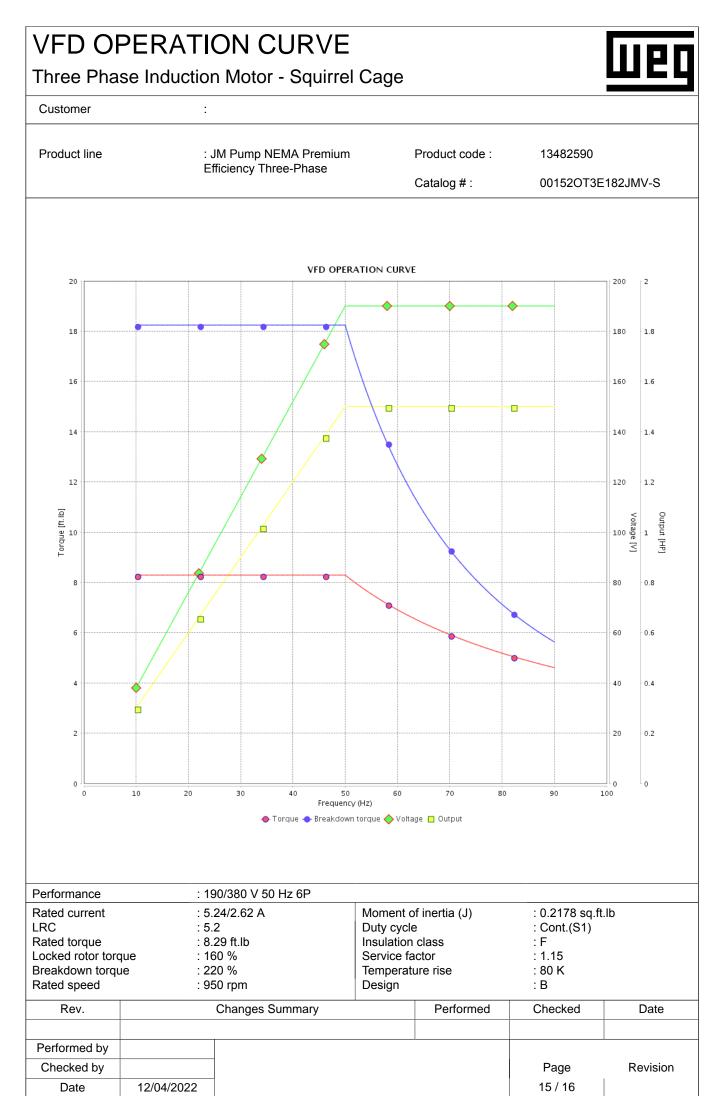
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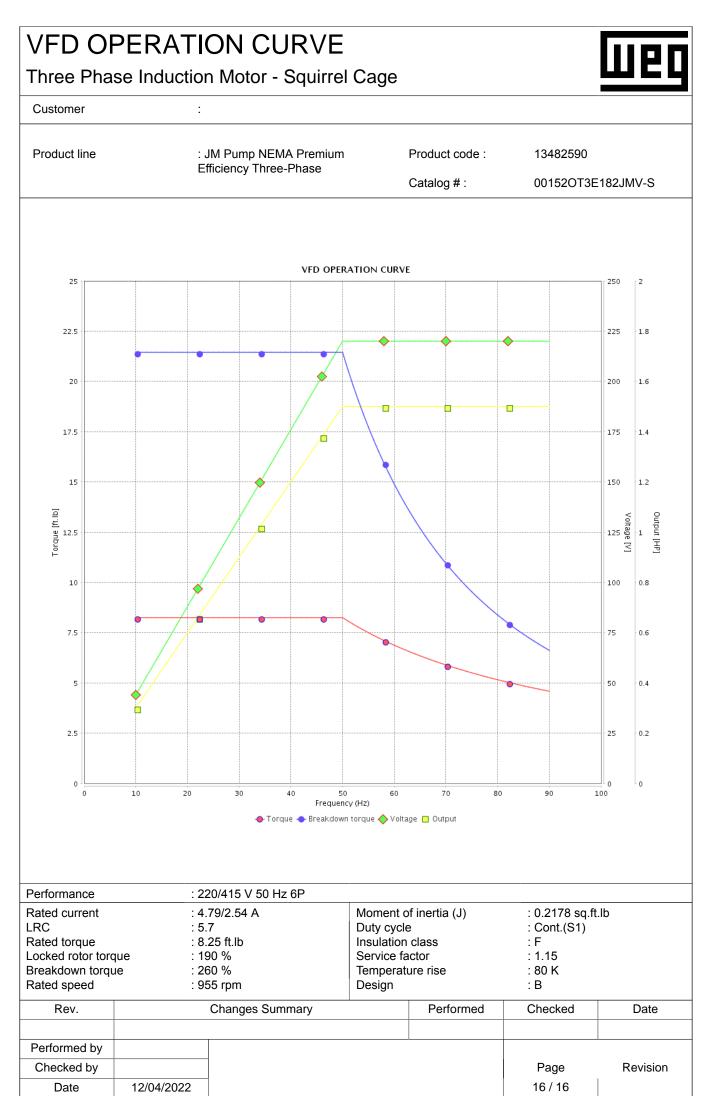


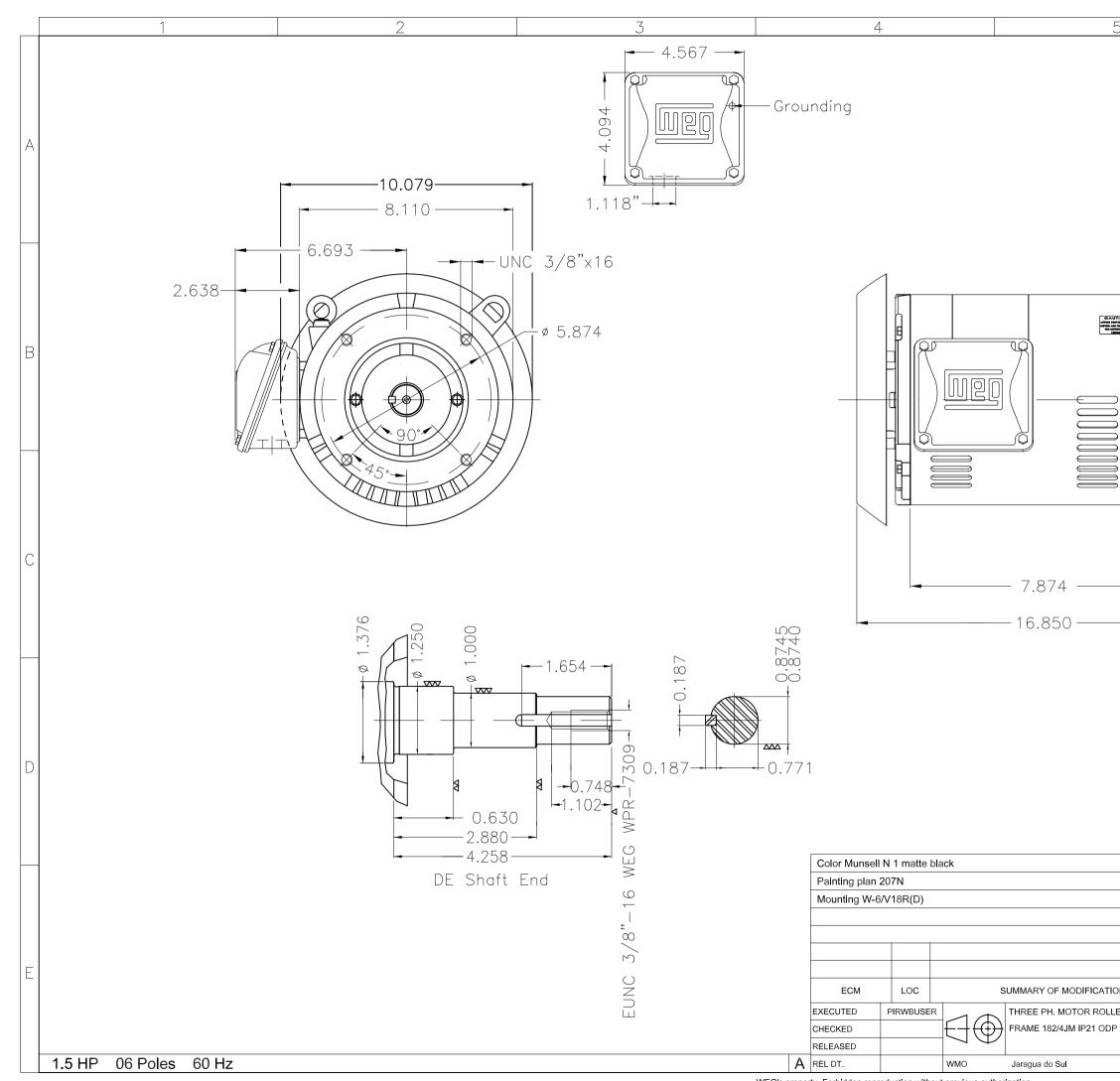


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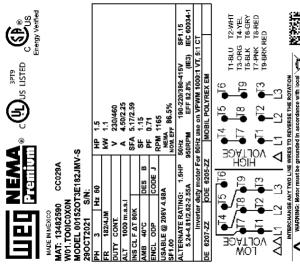
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choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre

