DATA SHEET

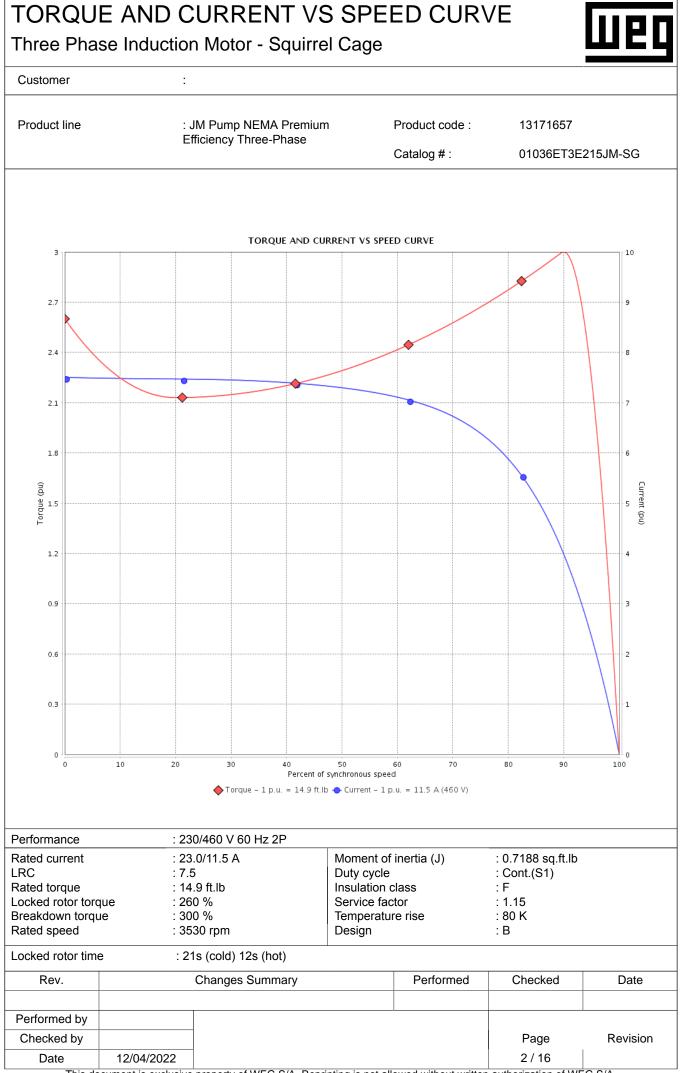
Three Phase Induction Motor - Squirrel Cage

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Customer

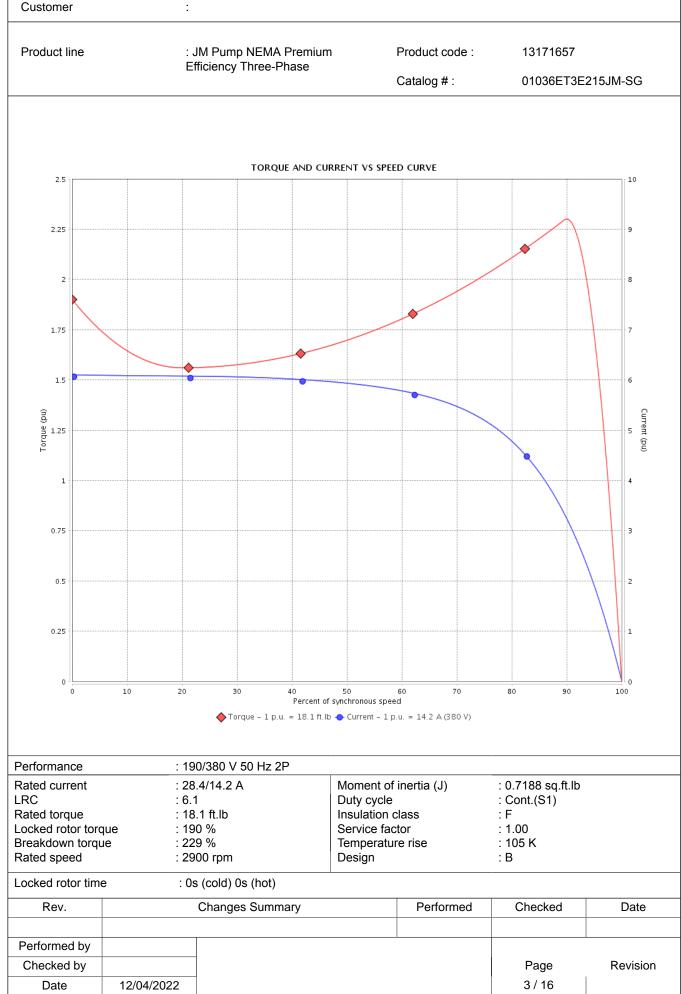
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :		13171657		
		Elificiency Three-Fridse		Catalog # :		01036ET3E	01036ET3E215JM-SG	
Frame Insulation class Duty cycle		: 213/5JM : F : Cont.(S1)		Cooling method Mounting Rotation ¹		: F-1	: IC411 - TEFC : F-1 : Both (CW and CCW)	
Ambient temperature Altitude		: -20°C to +40°C : 1000 m.a.s.l.		Starting r Approx. v		: Direct On Line : 171 lb		
Protection degre Design	е	: IP55 : B		Moment of inertia (J)		: 0.7188 sq.	ft.lb	
Output [HP]		10			10		10	
Poles		2			2		2	
Frequency [Hz]		60			50		50	
Rated voltage [V]		230/460		190/380			220/415	
Rated current [A]		23.0/11.5		28.4/14.2			25.1/13.3	
R. Amperes [A]		173/86.2		173/86.6		17	171/90.4	
.RC [A]		7.5x(Code ⊢	H)	6.1x(Code G)		6.8x(6.8x(Code G)	
lo load current [A	.]	7.53/3.77		7.43/3.71		7.5	7.53/3.99	
Rated speed [RPN		3530		2900		2	2910	
Slip [%]		1.94		3.33			3.00	
Rated torque [ft.lb]	1	14.9		18.1			18.0	
ocked rotor torqu		260		190			220	
Breakdown torque		300		229			260	
Service factor		1.15		1.00			1.00	
emperature rise		80 K			105 K		105 K	
ocked rotor time		21s (cold) 12s (hot)		0c (Os (cold) Os (hot)		d) 0s (hot)	
		70.0 dB(A)			67.0 dB(A)) dB(A)	
Noise level ² 25%		89.3		L C	91.7		91.3	
	50%				90.0		90.1	
Efficiency (%)		89.5						
,,,,	75%	90.2			89.2		39.7	
	100% 90.2 87.2		38.2					
	25%	0.53			0.59		0.55	
Power Factor	50%	0.80			0.85		0.82	
	75%	0.88		0.90			0.89	
100%		0.91			0.92	(0.92	
Bearing type			drive end 6206 ZZ	Foundatio Max. tract		: 179 lb		
Sealing			Without aring Seal	Max. com		: 350 lb		
Lubrication interv	val	: -	-					
Lubricant amoun	it	:						
Lubricant type		: Mobil Polyre	x EM					
Notes USABLE @208V	25.4A SF 1.	00 SFA 25.4A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, e shaft end. olerance of +3dB(A). tt to changes after	which			based on tests wi		
Rev.		Changes Summa	ary		Performed	Checked	Date	
Performed by								
Checked by Date	12/04/202	0				Page 1 / 16	Revision	



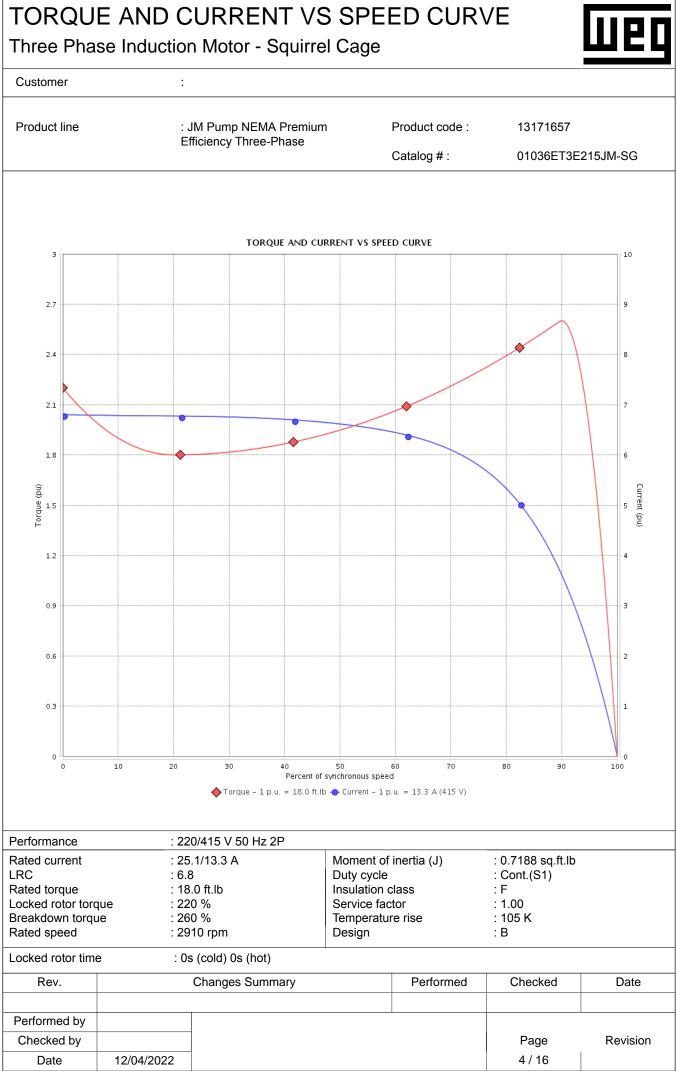
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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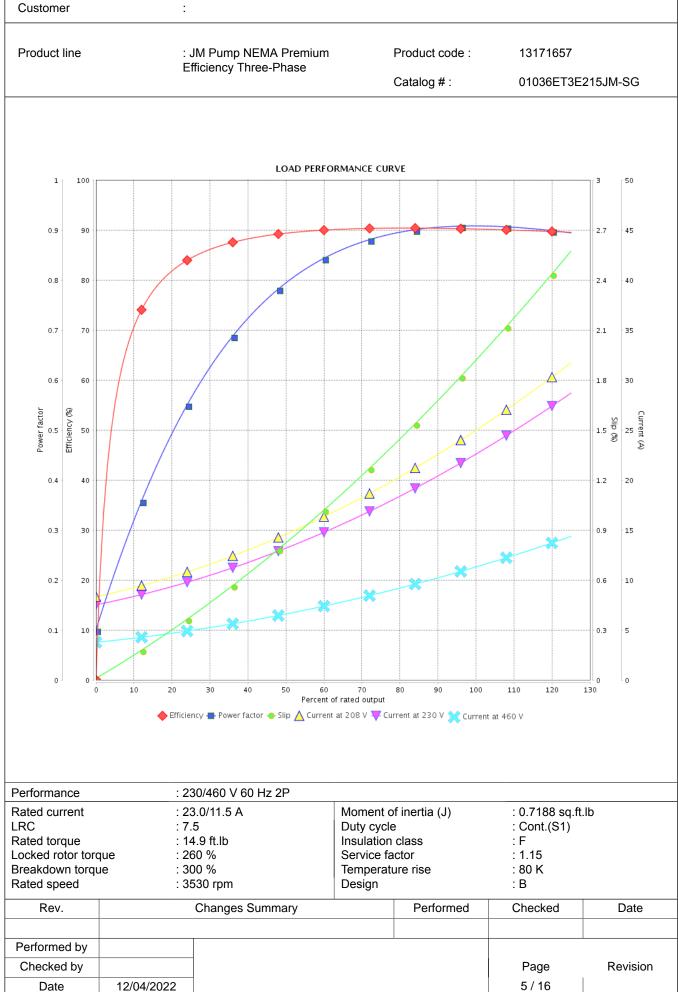


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LOAD PERFORMANCE CURVE

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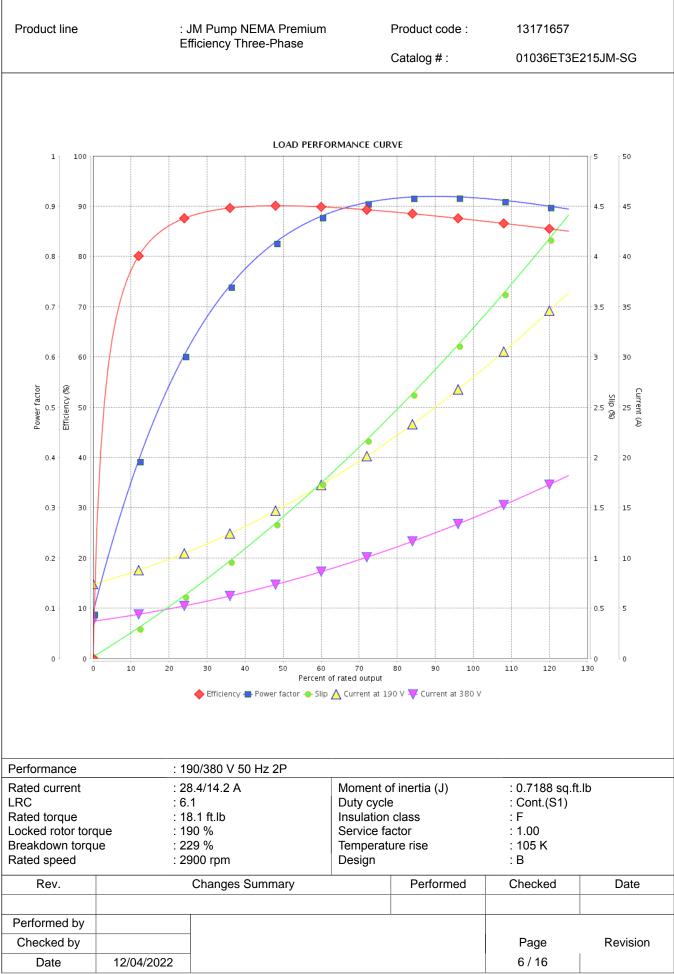
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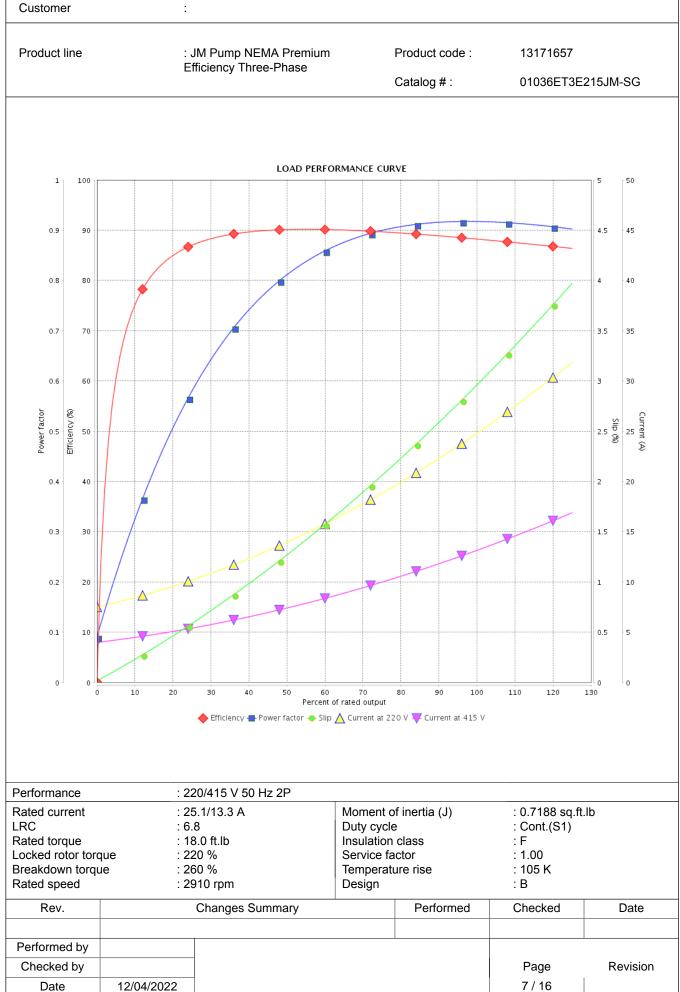
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THERMAL LIMIT CURVE

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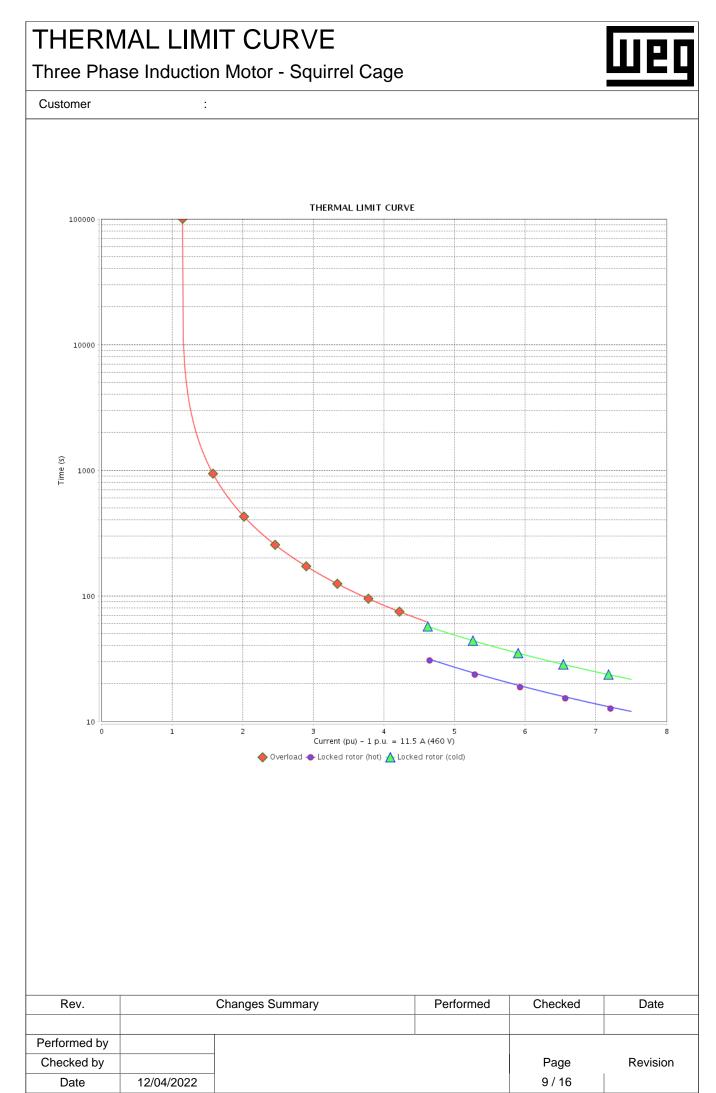


Customer

Product line		: JM Pump NEMA Premium		Product code :	13171657		
	E	Efficiency Three-Phase		Catalog # :	01036ET3E2	01036ET3E215JM-SG	
Performance		30/460 V 60 Hz 2P					
LRC		.5	Moment of inertia (J) Duty cycle Insulation class		: 0.7188 sq.ft.lb : Cont.(S1) : F		
Locked rotor torq		60 %	Service fa		: 1.15		
Breakdown torqu	ie : 30	00 %	Temperatu		: 80 K		
Rated speed		530 rpm	Design		: B		
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
		1					
Performed by							
Checked by					Page	Revision	
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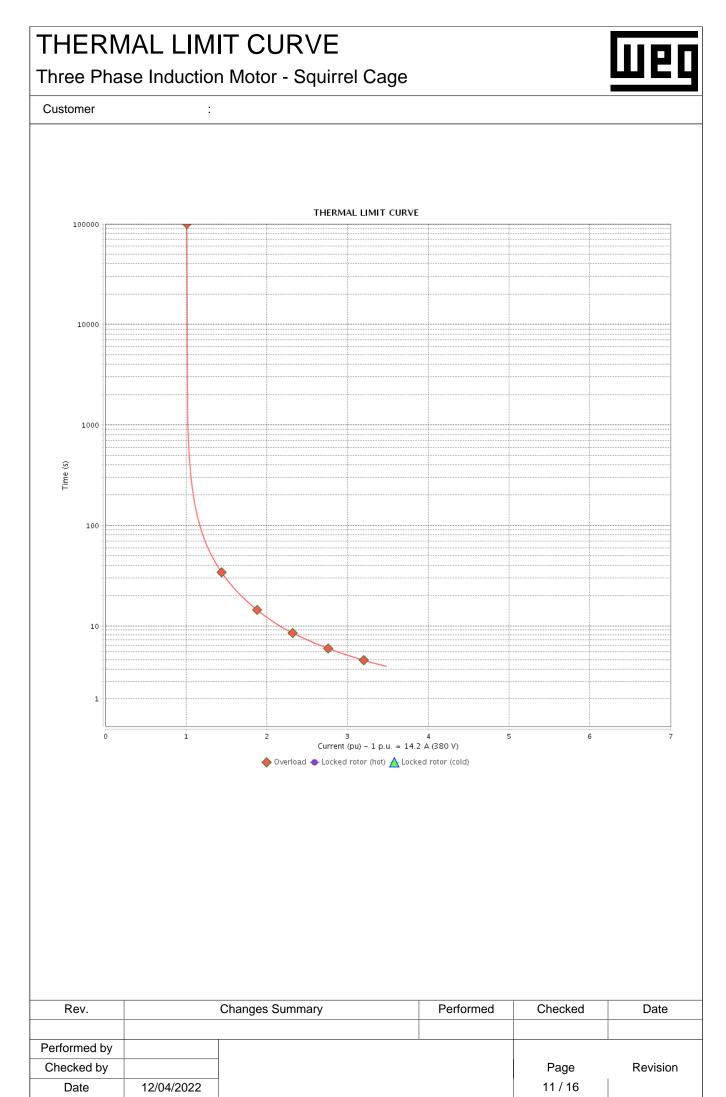


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13171657	
				Catalog # :	01036ET3E2	01036ET3E215JM-SG
Performance		90/380 V 50 Hz 2P				
LRC Rated torque Locked rotor torque Breakdown torque		: 28.4/14.2 A Momenti : 6.1 Duty cyt : 18.1 ft.lb Insulation : 190 % Service : 229 % Temperation : 2900 rpm Design		class ictor	: 0.7188 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant		F				
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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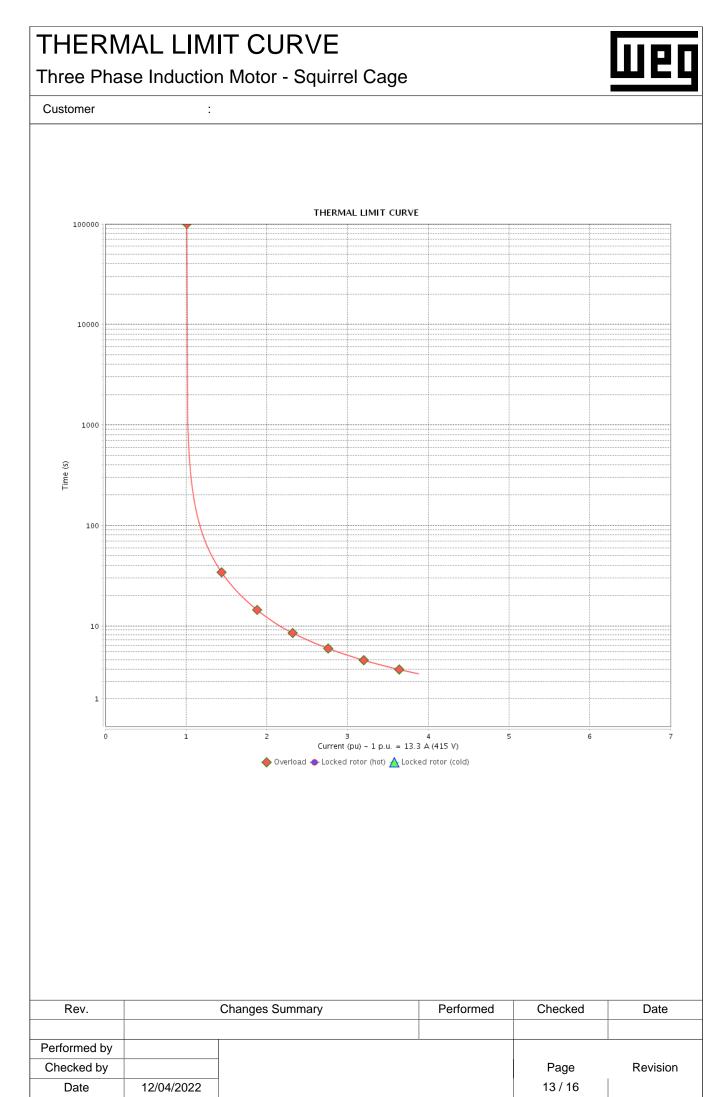


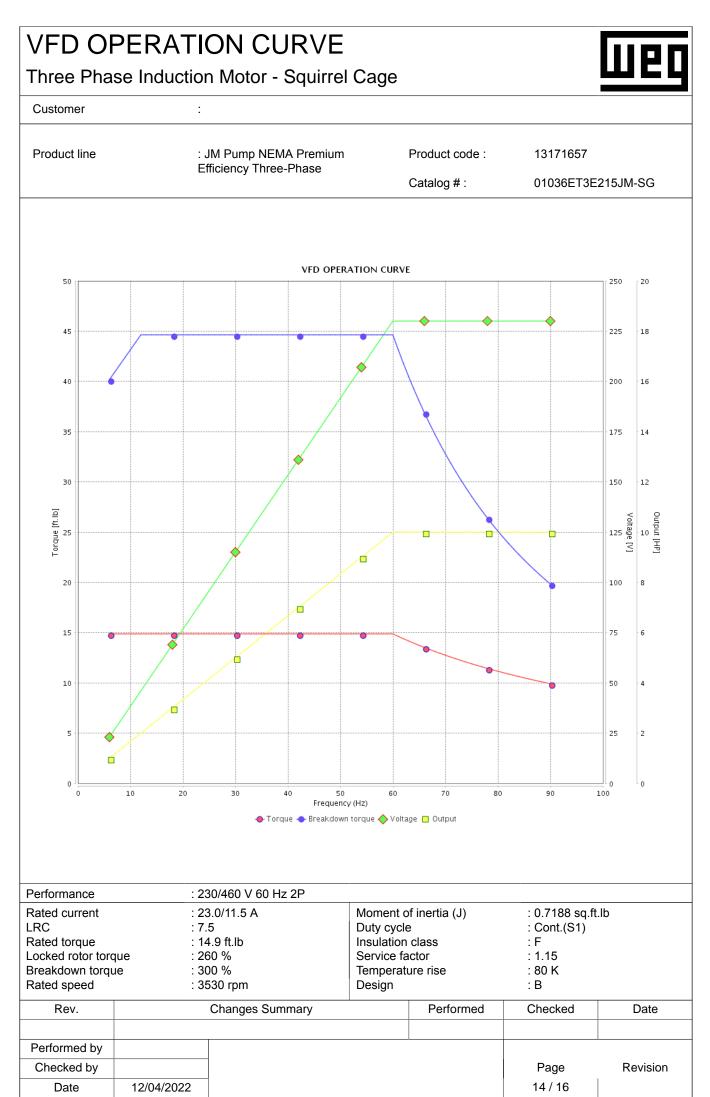
Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	13171657 01036ET3E	215JM-SG	
Performance		20/415 V 50 Hz 2P					
Rated current		5.1/13.3 A	Moment of inertia (J)		: 0.7188 sq.ft.lb		
LRC: 6.8Rated torque: 18.0 ft.lbLocked rotor torque: 220 %Breakdown torque: 260 %Rated speed: 2910 rpm		8 3.0 ft.lb 20 % 60 %	Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00 : 105 K : B		
Heating constant	t						
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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Checked by					Page	Revision	
Date	12/04/2022				12 / 16		

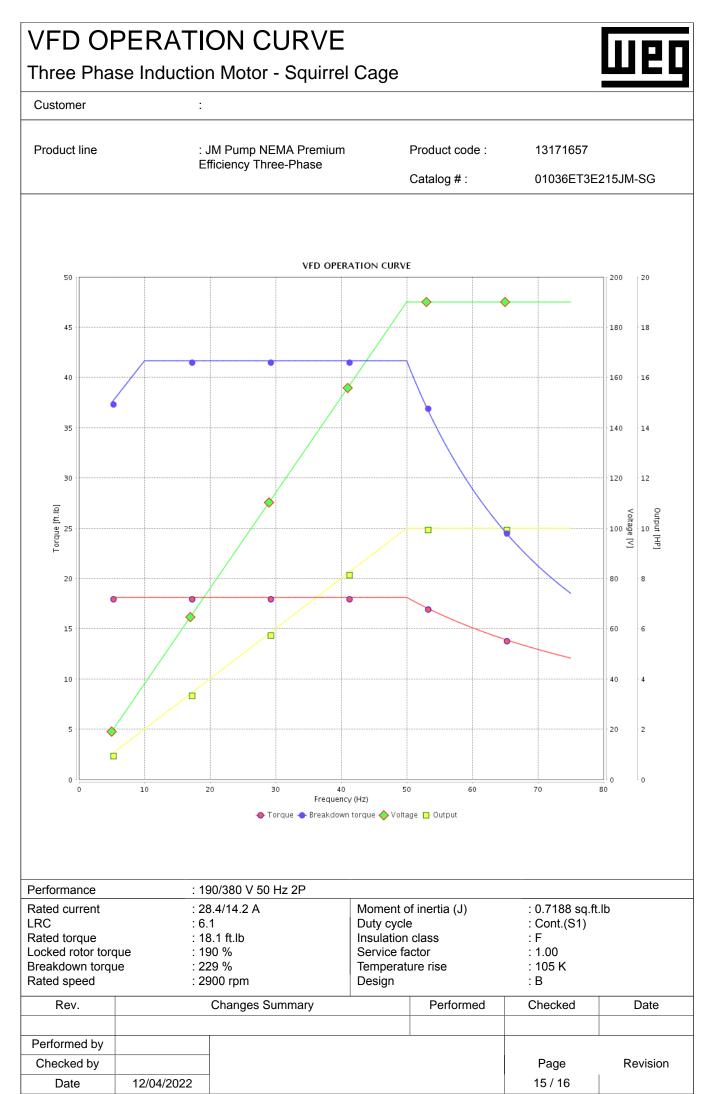
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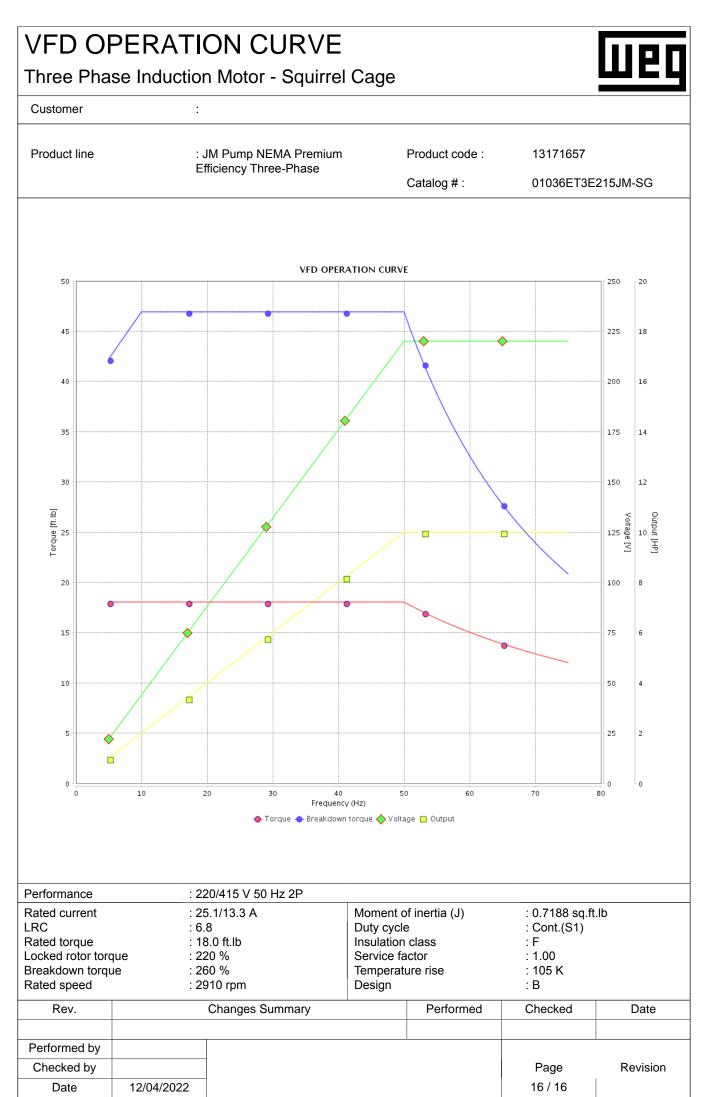




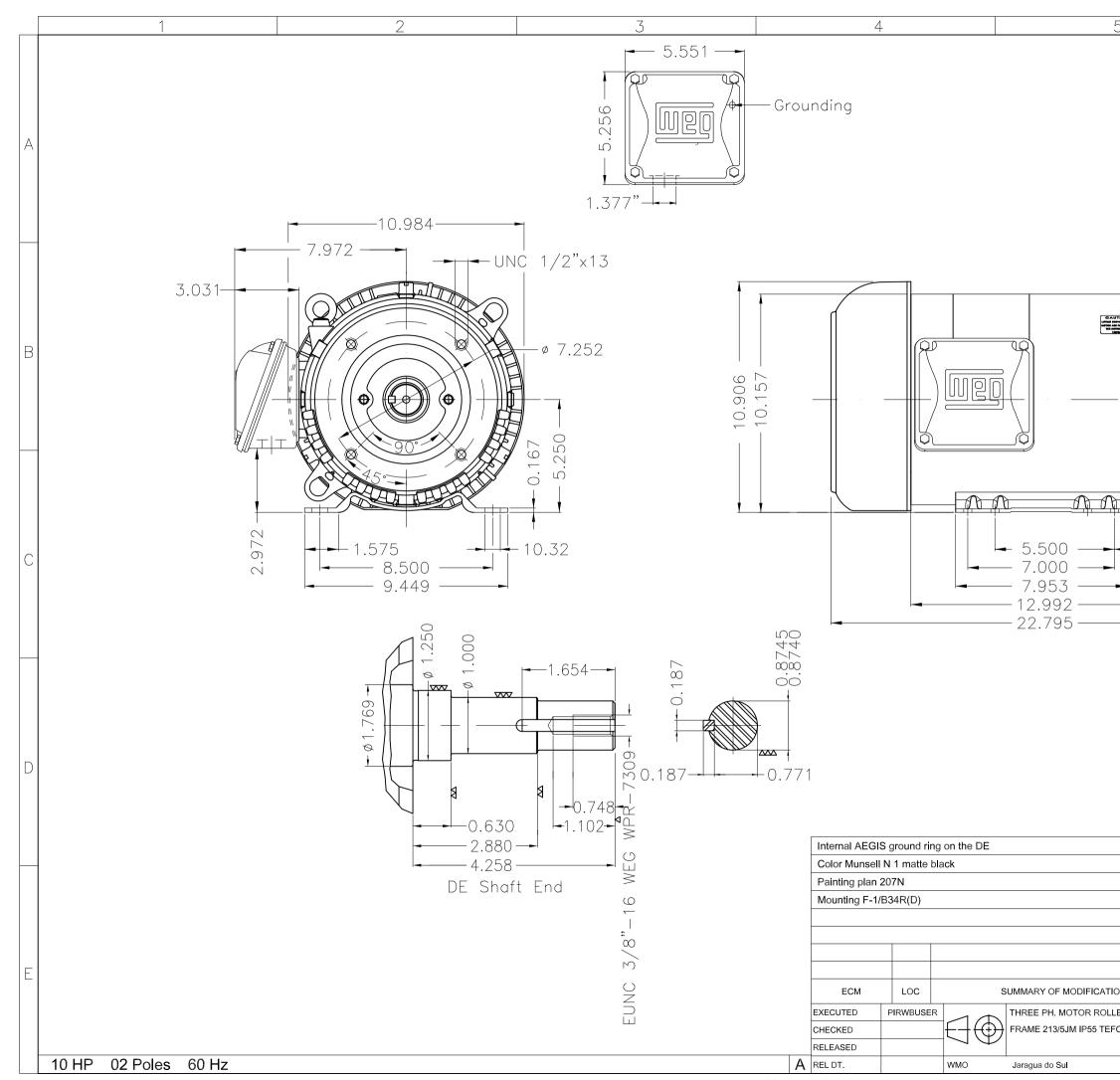
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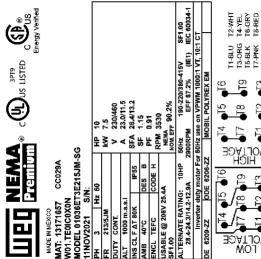


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LED STEEL CLOSE (FC		[▶] "PREV WDD	ΈŴ	Weq	A3
Product	t Engineering	SHEET	1 / 1		XME
					^ ^



T8-RED RED T7-PNK T9-BRK AVERTISSEMENT: Le moteur doit être mis à la terre chocks. Disconnect power source before servicing unit. NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout

