DATA SHEET

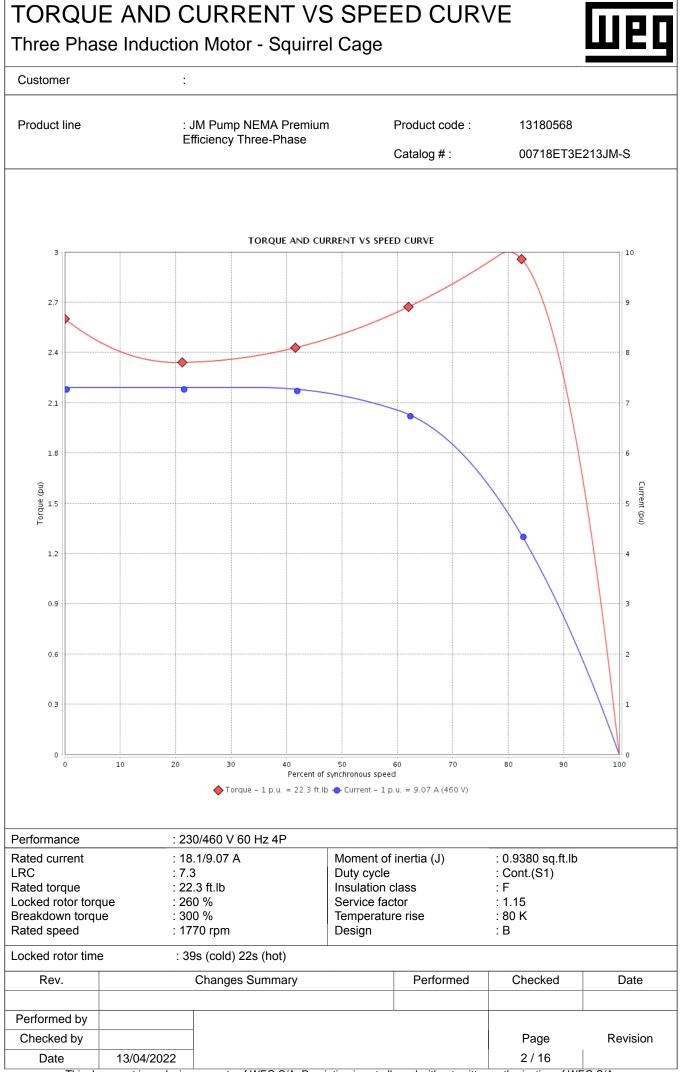
Three Phase Induction Motor - Squirrel Cage

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Customer

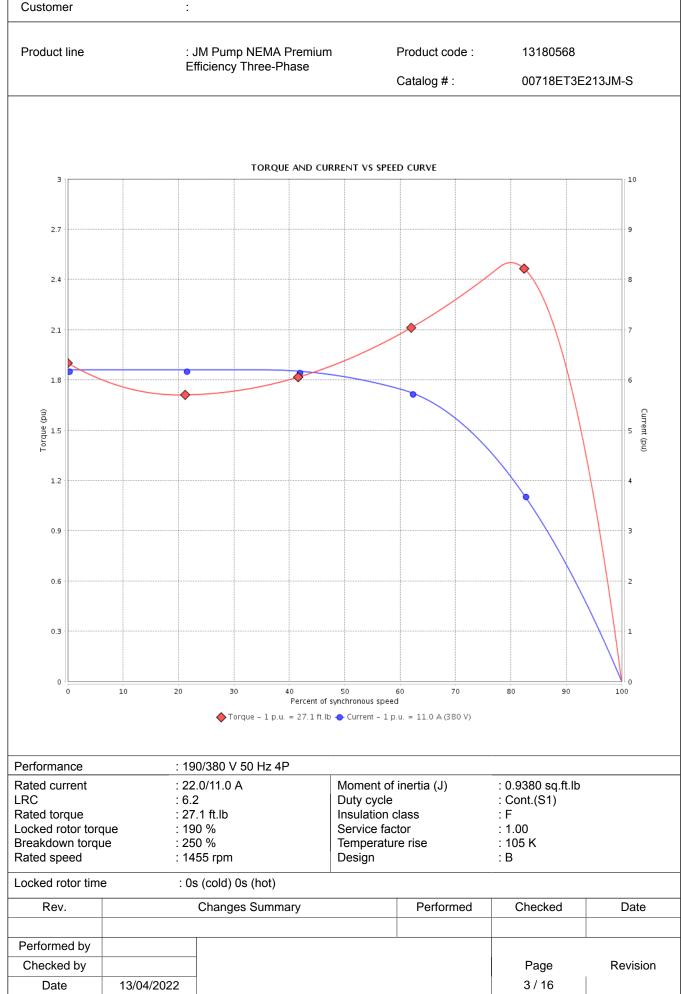
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13180568		
				Catalog # :	00718ET3E213JN	1-S	
Frame		: 213/5JM		Cooling method	: IC411 - TEFC		
Insulation class		: F		Mounting	: F-1		
Duty cycle		: Cont.(S1)		Rotation	: Both (CW and C	: Both (CW and CCW)	
Ambient tempera	ature	: -20°C to +40°C		Starting method	: Direct On Line	,	
Altitude		: 1000 m.a.s.l.		Approx. weight ³	: 132 lb		
Protection degre	е	: IP55		Moment of inertia (J)	: 0.9380 sq.ft.lb		
Design		: B			· ·		
Dutput [HP]		7.	5	7.5	7.5		
Poles		4		4	4		
Frequency [Hz]		60		50	50		
Rated voltage [V]		230/	460	190/380	220/415		
Rated current [A]		18.1/	9.07	22.0/11.0	20.0/10.0	3	
. R. Amperes [A]		132/		136/68.2	136/72.1		
.RC [A]		7.3x(Ce		6.2x(Code G)	6.8x(Code		
lo load current [A	1	8.81/		8.65/4.33	8.93/4.73		
Rated speed [RPN		17		1455	1460	•	
Slip [%]	ויי	1.6		3.00	2.67		
	1	22		27.1			
Rated torque [ft.lb					27.0		
ocked rotor torqu		26		190	220		
Breakdown torque	e [%]	300		250	280		
Service factor		1.1		1.00	1.00		
Temperature rise		80 K		105 K	80 K		
ocked rotor time		39s (cold) 22s (hot)		0s (cold) 0s (hot)	0s (cold) 0s	Os (cold) Os (hot)	
Noise level ²		60.0 dB(A)		57.0 dB(A)	57.0 dB(A		
	25%	89.4		91.3	90.4		
	50%	90.2		90.2	89.8		
Efficiency (%)	75%	91.0		90.0	90.1		
	100%	91.7		88.6	89.2		
	25%			0.45	0.41		
	50%	0.39 0.64		0.45	0.41		
Power Factor	50% 75%						
		0.76 0.82		0.82	0.79		
	100%	0.0		0.86	0.84		
Bearing type		Drive end : 6209 ZZ	Non drive end 6206 ZZ	Foundation loads			
				Max. traction	: 360 lb		
Sealing		: V'Ring	Without Bearing Seal	Max. compression	: 492 lb		
Lubrication interv	val	: -	-				
Lubricant amoun		· _	_				
Lubricant type		· - Mohil D	olyrex EM				
Notes USABLE @208V	20.1A SF 1.	00 SFA 20.1A					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dE	3(A).		es based on tests with sind the tolerances stipulated i		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dE	3(A).	power supply, subject to			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dE	8(A). er	power supply, subject to			
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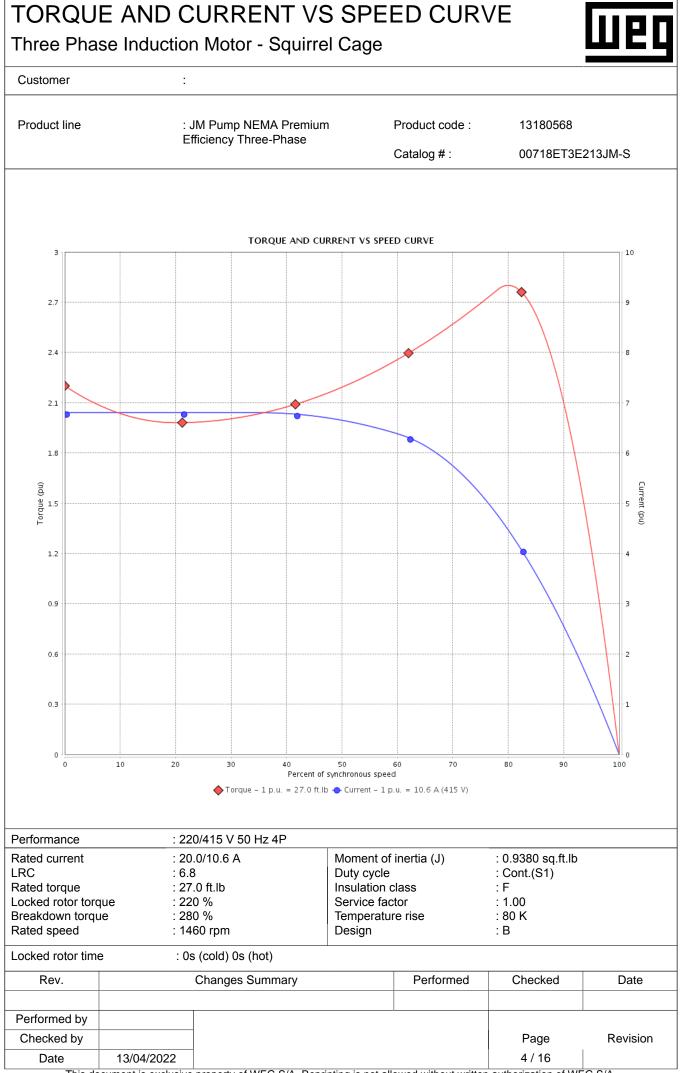
TORQUE AND CURRENT VS SPEED CURVE

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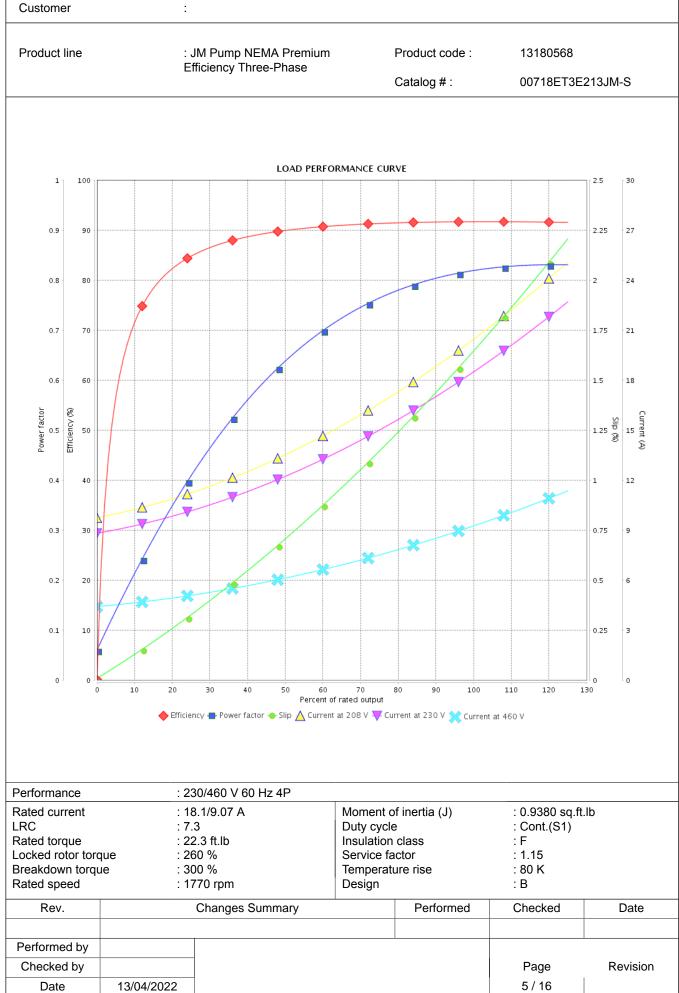
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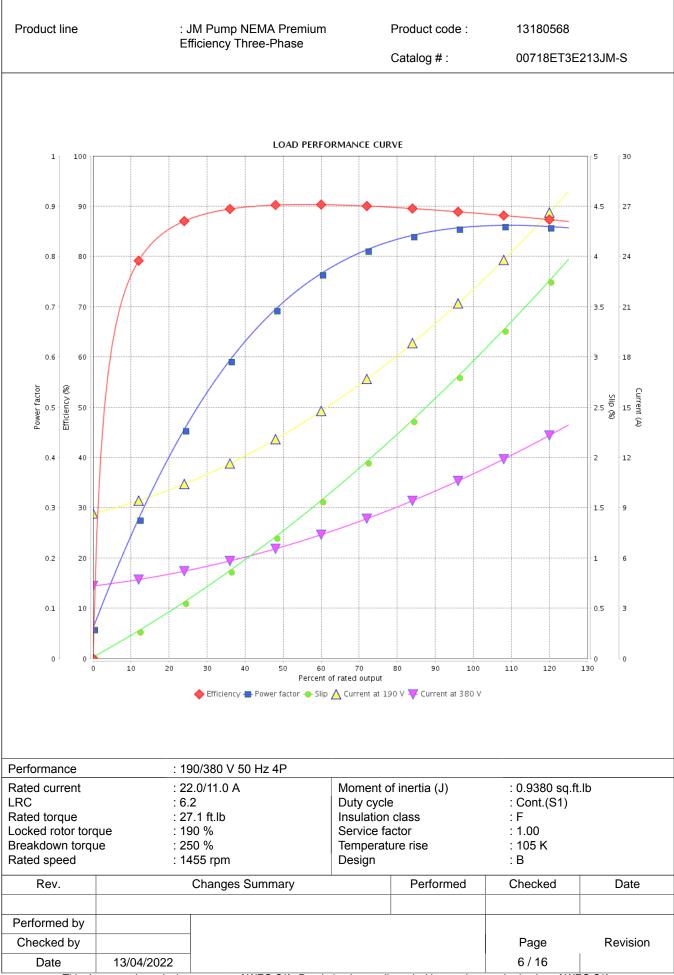
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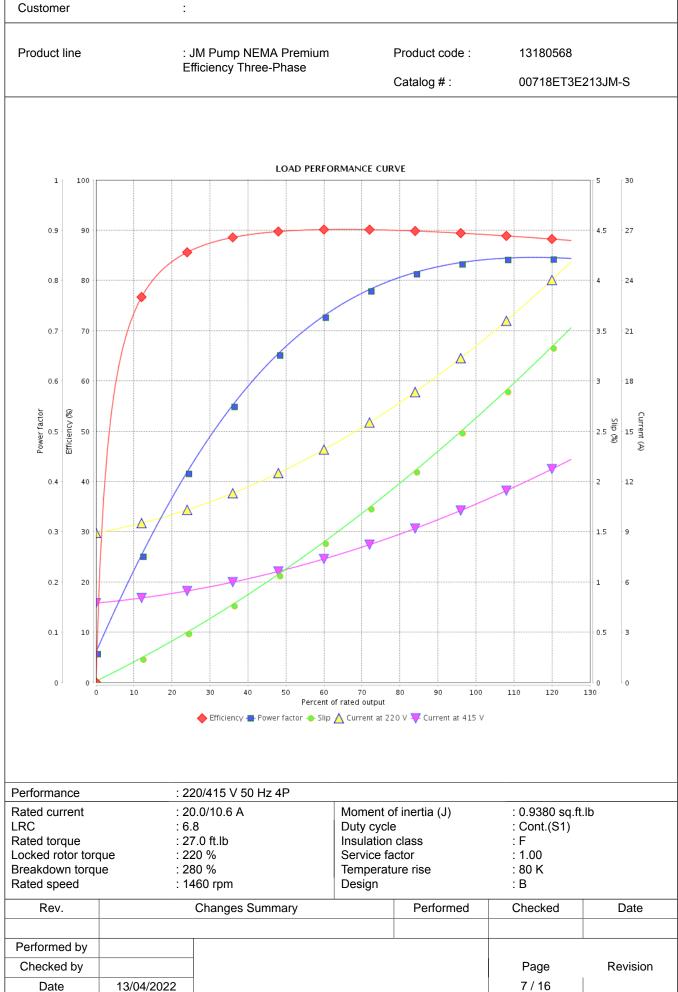
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THERMAL LIMIT CURVE

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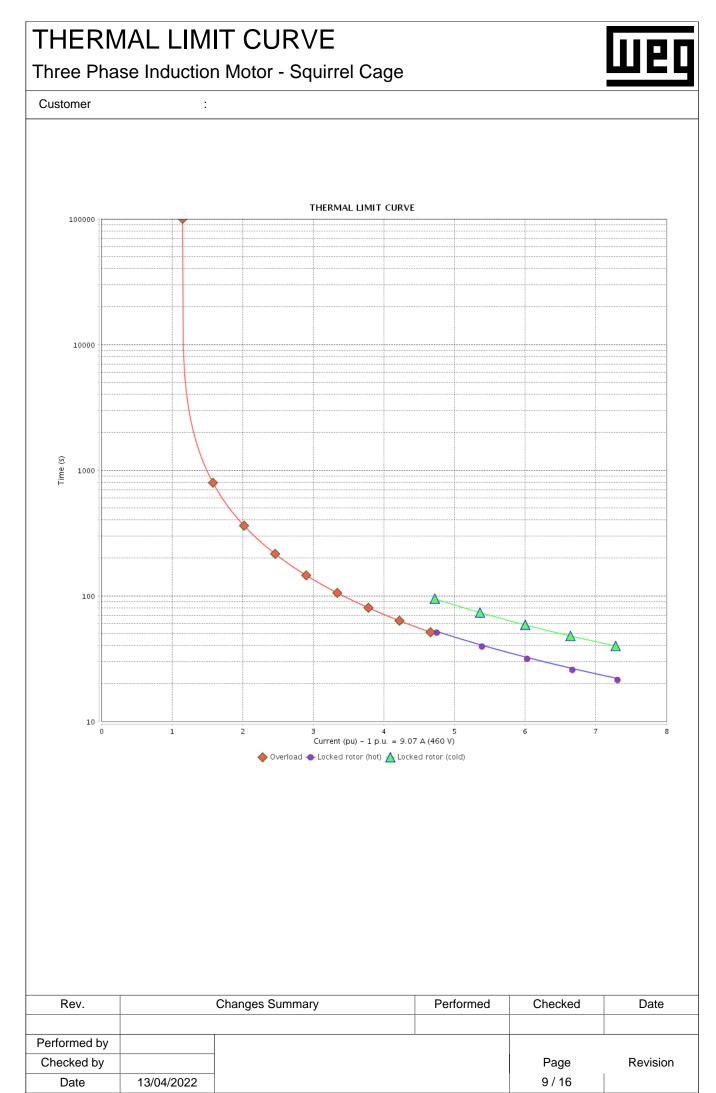


Customer

Product line	: . Ef	JM Pump NEMA Premium fficiency Three-Phase		Product code :	13180568		
		,		Catalog # :	00718ET3E	213JM-S	
Performance	: 23	30/460 V 60 Hz 4P					
LRC: 7Rated torque: 2Locked rotor torque: 2Breakdown torque: 3		3.1/9.07 A 3 2.3 ft.lb 50 % 00 % 770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9380 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb	
Heating constant	t						
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
		- '					
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				8 / 16		

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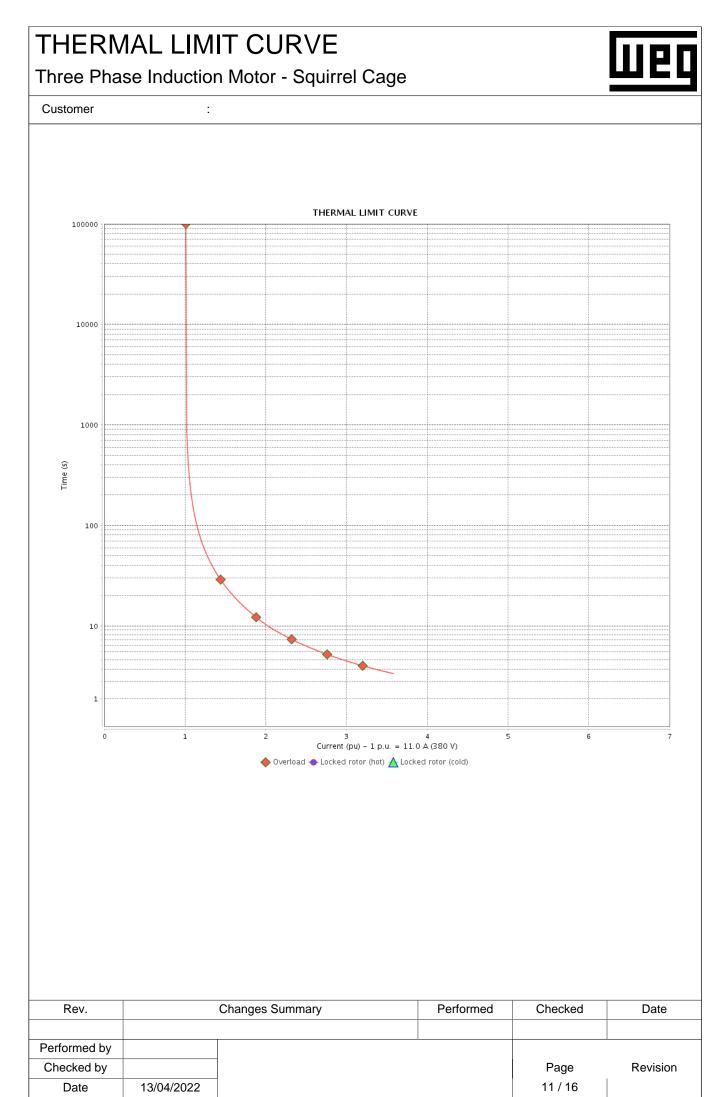


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13180568	13180568		
				Catalog # :	00718ET3E2	213JM-S		
Performance	: 19	90/380 V 50 Hz 4P						
Rated current LRC	: 22 : 6	2.0/11.0 A 2	Moment of Duty cycle	of inertia (J) e	: 0.9380 sq.ft. : Cont.(S1)	lb		
Rated torque	: 27	7.1 ft.lb	Insulation	class	: F			
Locked rotor toro Breakdown torqu		90 % 50 %	Service fa		: 1.00 : 105 K			
Rated speed		455 rpm	Temperature rise Design		: B			
Heating constan								
Cooling constant	<u> </u>							
Rev.		Changes Summary		Performed	Checked	Date		
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Performed by Checked by		-			Page	Revision		
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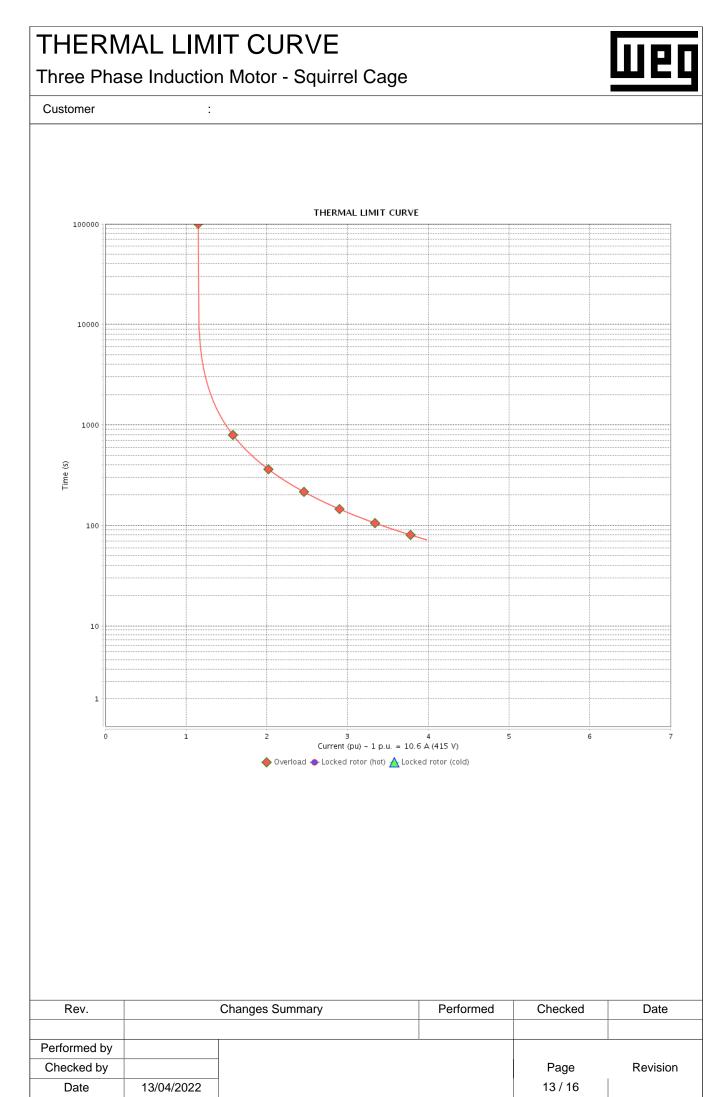


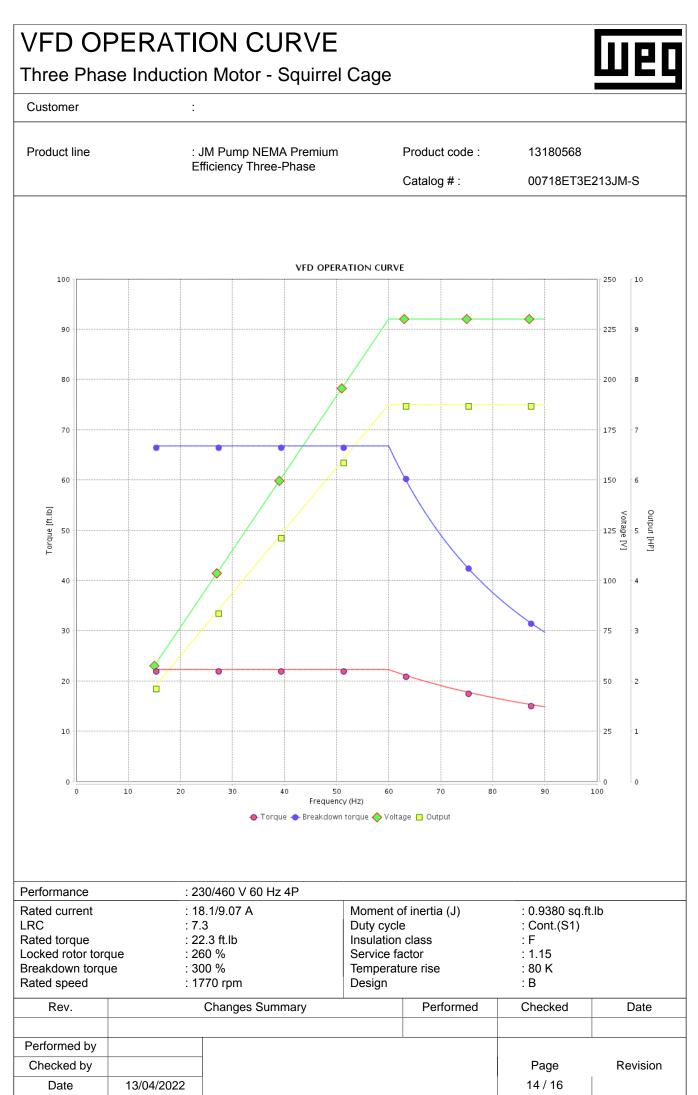
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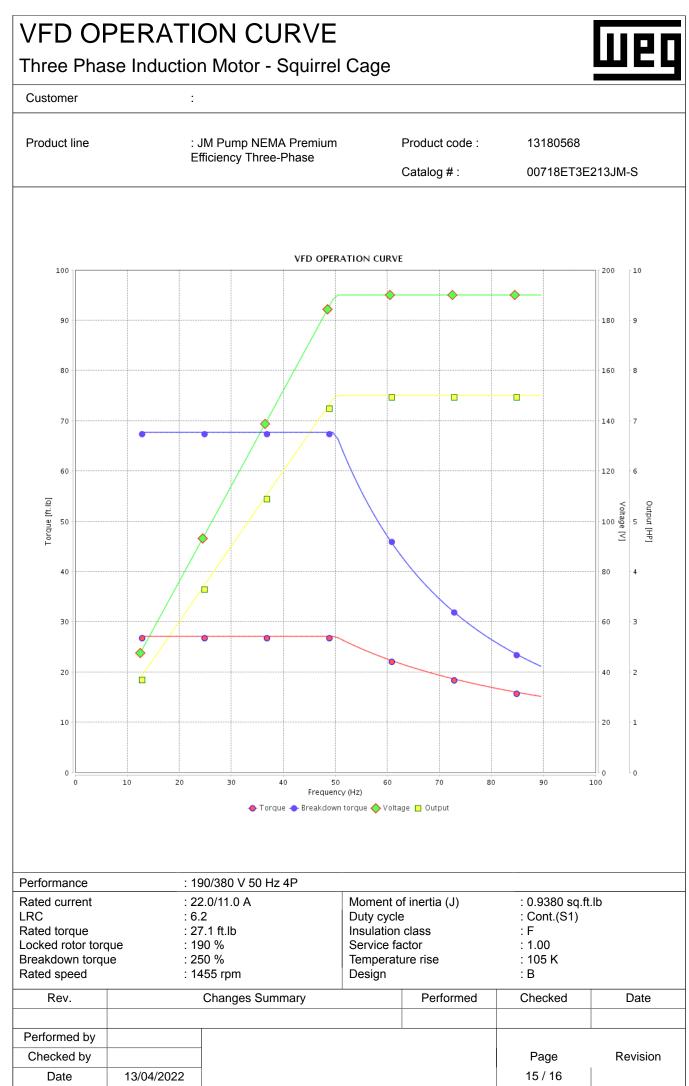
Product line		JM Pump NEMA Premium fficiency Three-Phase		Product code :	13180568		
	_			Catalog # :	00718ET3E2	213JM-S	
Performance	: 22	20/415 V 50 Hz 4P					
Rated current LRC	: 6.		Moment of Duty cycle	of inertia (J) e	: 0.9380 sq.ft.lb : Cont.(S1)		
Rated torque		7.0 ft.lb	Insulation		: F		
Locked rotor toro Breakdown torqu		20 % 80 %	Service fa		: 1.00 : 80 K		
Rated speed		460 rpm	Temperature rise Design		: B		
Heating constan	t						
Cooling constant	t						
Rev.		Changes Summary		Performed	Checked	Date	
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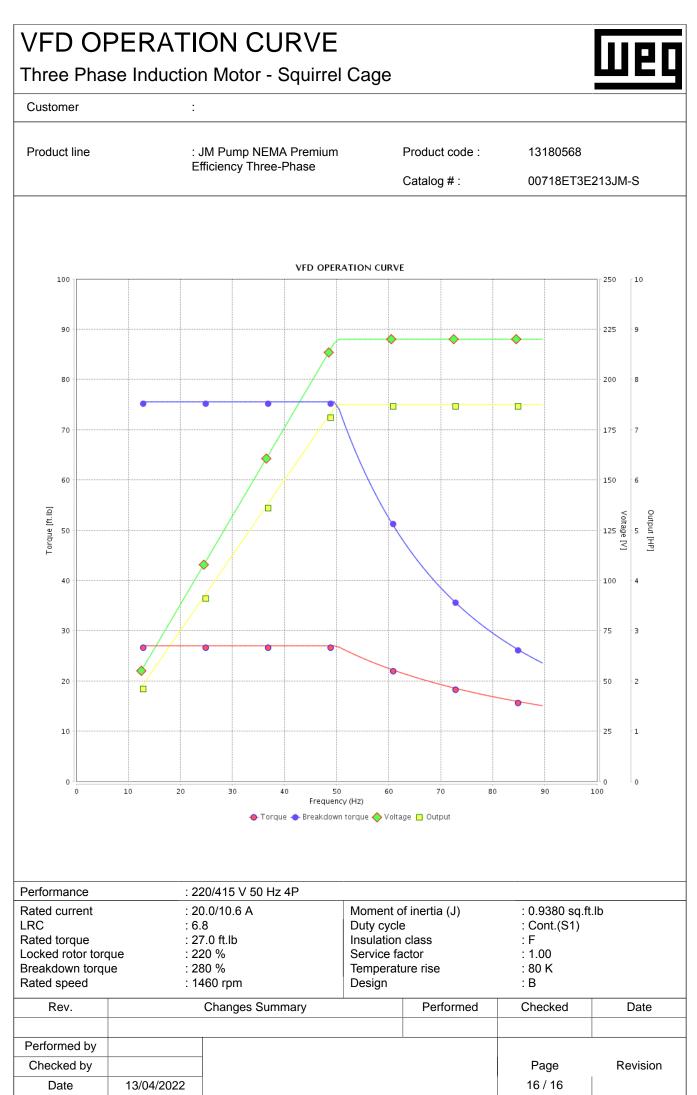
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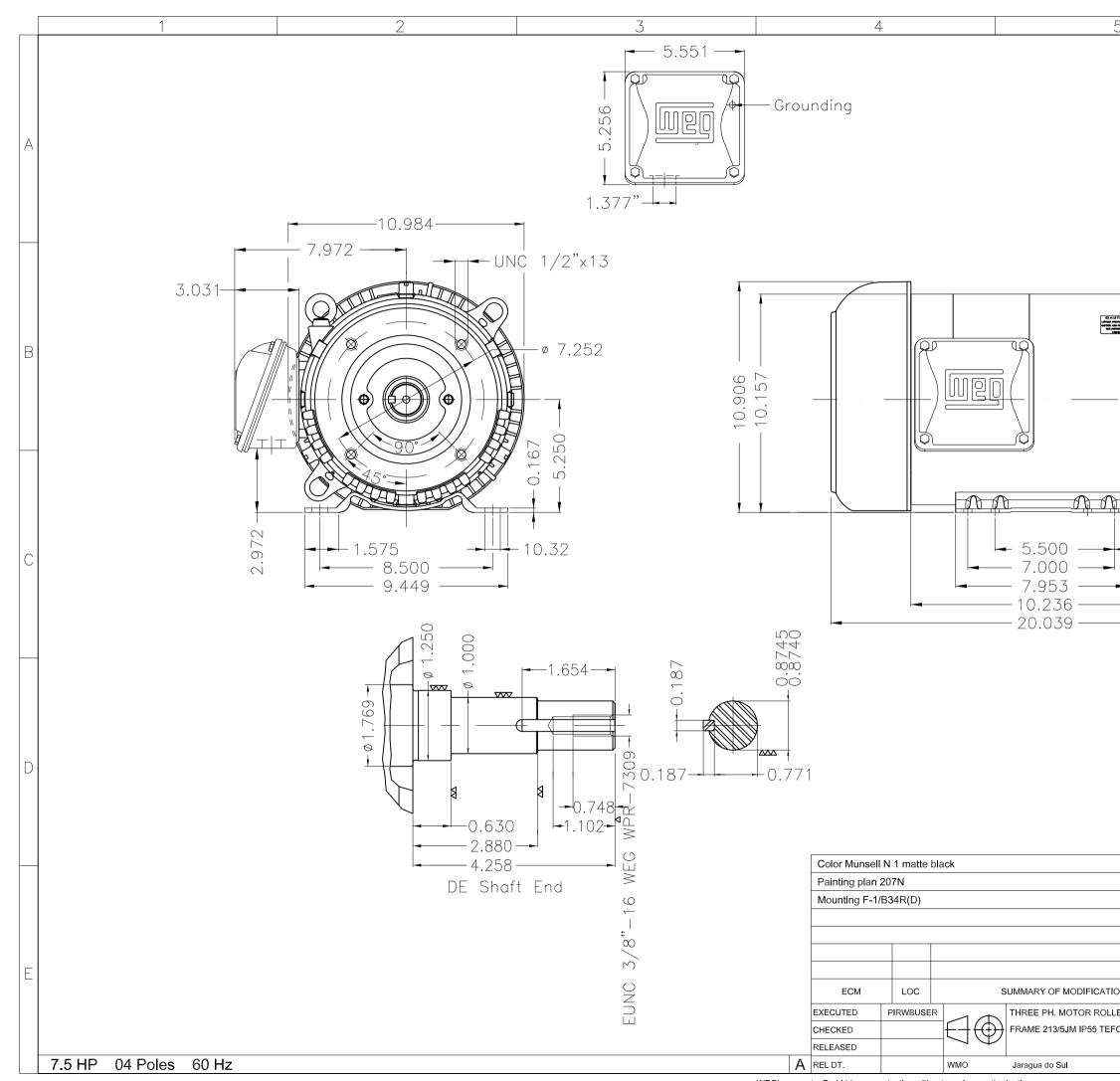
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	- 0.25			Ø 8.795		Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL CLOSE (FC		° "PREVI WDD │	ÊW	Ше		A3
Product	Engineering	SHEET	1 / 1			XME

CON SAFE AREA Energy verified	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, Gr. A,B,C,D - T3 DIV 2 Inverter Duty (51:100)	7.5 5.5 230/460	18.//9.07 20.8/10.4 1.15	0.82 1770 AF 91.7%	TERNATE RATING: 7.5HP 50Hz 190-220380-415V SF1.00 22.0-19.4/11.0-10.3A 1455RPM EFF 88.6% (TE2) IEC 60034-1 For safe area-inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT	MOBIL POLYREX EM	4 -15 -16 1-8.1.0 12-441 7 -18 -19 13-542 13-542 1 -12 -13 17-544 13-542 1 -12 -13 17-544 13-546	A contract of the contract of
	MADE IN MEXICO MAT: 13180568 CC029A JW01.TE0ICOX0N JW007404NPW01 28MAR7072 S.N.	Hsl	1000 m.a.s.l A 1. F ΔT 80K IP55 SFA 40°C DFS R SF	TEFC CODE H RPM ale@ 208V 20.1A NEMA 00	ALTERNATE RATING: 7.5HP 50HZ 22.0-19.4/11.0-10.3A For safe area-inverter duty motor For 6	DE 6209-ZZ ODE 6206-ZZ MC	VOLTAGE VOLTAGE VOLTAGE VOLTAGE VOLTAGE VOLTAGE VOLTAGE VOLTAGE VOLTAGE VOLTAGE	MITECHANGE ANY TRO LINE WRES TO EXPERTE THE EXPIRION INTERCHANGE ANY TRO LINE WRES TO EXPERTE THE EXPIRION WARNING: Motor must be grounded in accordance with local and dational periority active before search and any and the active prover source before search and any accordance and selectiques local we trademark and d'vibre tout choos descrique grave. Deconnecter l'allmentation acont fortrefer of la macilite.