DATA SHEET

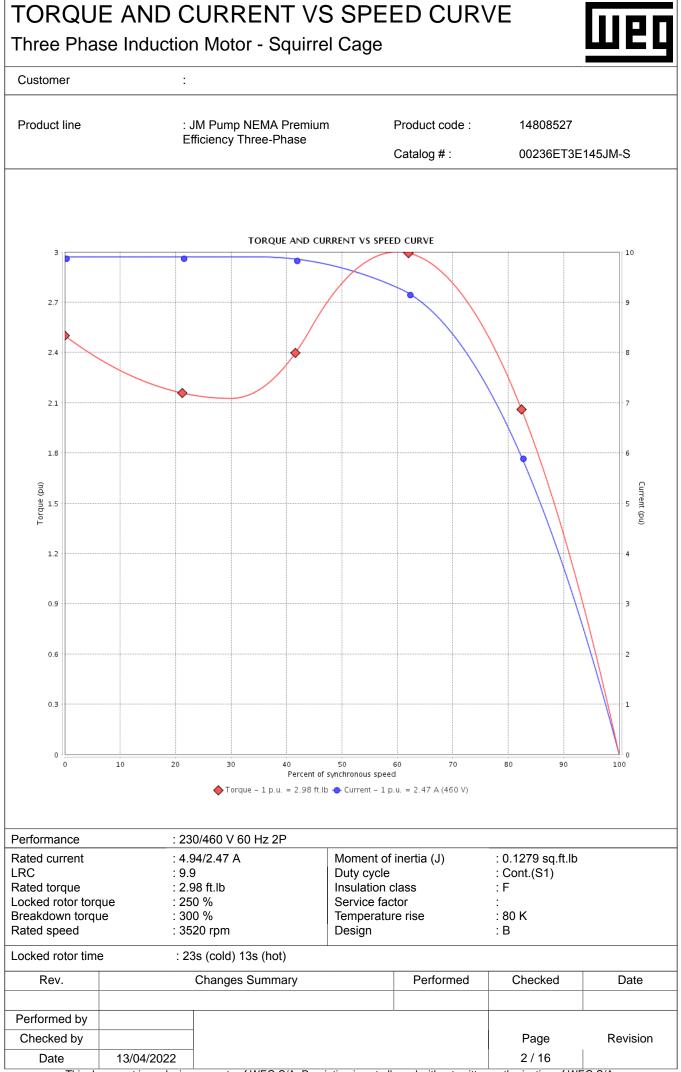
Three Phase Induction Motor - Squirrel Cage

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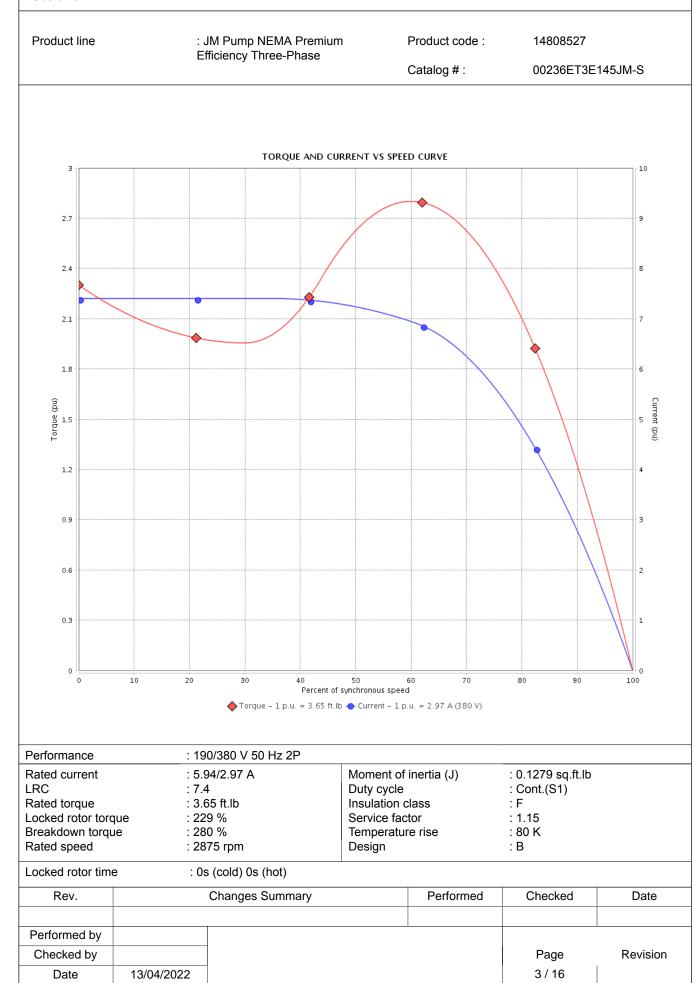


Customer

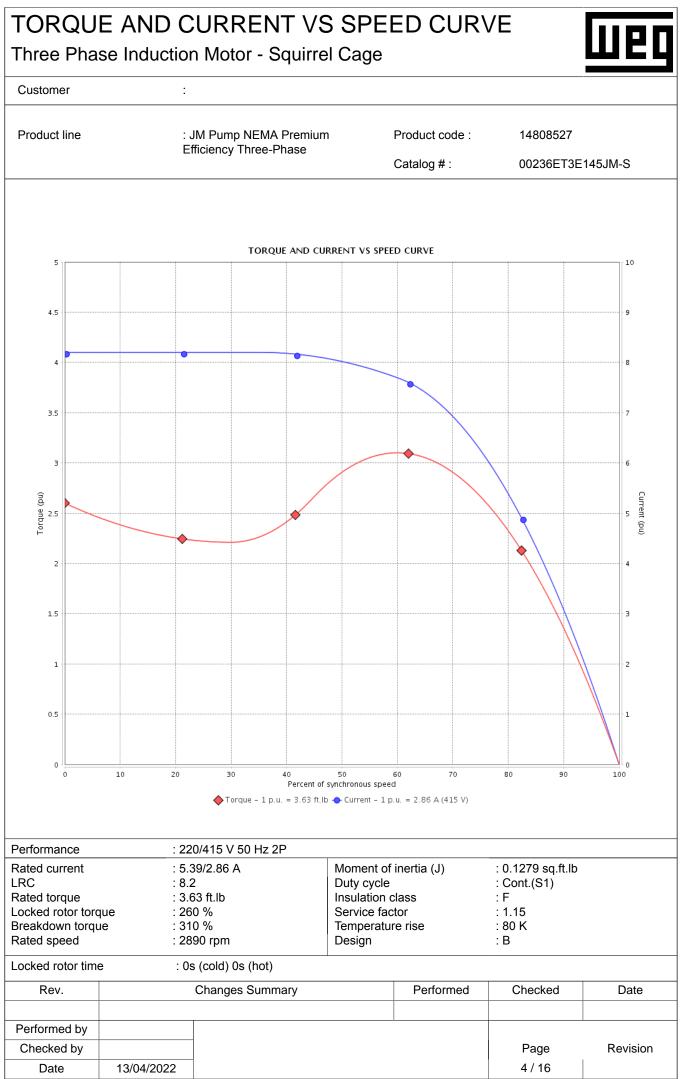
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14808527	14808527 00236ET3E145JM-S	
				Catalog # :	00236ET3E145JI		
Frame		: 143/5JM		Cooling method	: IC411 - TEFC		
Insulation class		: F		Mounting	: F-1		
Duty cycle		: Cont.(S1)		Rotation	: Both (CW and C	CW)	
Ambient tempera	ature	: -20°C to +40°	0	Starting method	: Direct On Line	,	
Altitude		: 1000 m.a.s.l.		Approx. weight ³	: 42.9 lb		
Protection degre	е	: IP55		Moment of inertia (J)	: 0.1279 sq.ft.lb		
Design		: B					
Output [HP]		2		2	2		
Poles		2		2			
Frequency [Hz]		60		50	50	50	
Rated voltage [V]		230/4	60	190/380	220/41	5	
Rated current [A]		4.94/2	.47	5.94/2.97	5.39/2.8	6	
. R. Amperes [A]		48.9/2		44.0/22.0 44.2/2		5	
LRC [A]		9.9x(Co		7.4x(Code J) 8.2x(Co			
No load current [A	1	2.13/1		2.10/1.05 2.14/1		,	
Rated speed [RPN		352		2875	2.14/1.1	•	
	vi]						
Slip [%]	1	2.22		4.17	3.67		
Rated torque [ft.lb		2.98		3.65	3.63		
Locked rotor torqu		250		229	260		
Breakdown torque	[%]	300		280	310		
Service factor				1.15	1.15		
Temperature rise		80 k		80 K	80 K		
Locked rotor time		23s (cold) 1	I3s (hot)	0s (cold) 0s (hot)	0s (cold) 0s	(hot)	
Noise level ²		68.0 dE		65.0 dB(A)	65.0 dB(
	25%	82.1		84.8	84.0	,	
	50%	82.5		84.0	83.7		
Efficiency (%)	75%	85.5		84.6	84.9		
• • • •	100%			83.3	84.1		
		85.5					
	25%	0.45		0.51	0.48		
Power Factor	50%	0.73 0.83					
	75%			0.88	0.86		
	100%	0.89	9	0.92	0.90		
			Non drive end	Foundation loads			
Bearing type		: 6206 ZZ	6203 ZZ	Max. traction	: 76 lb		
Sealing		: V'Ring	Without	Max. compression	: 119 lb		
Lubrication interv	/al	•	Bearing Seal				
			-				
Lubricant amoun	it.	 	-				
Lubricant type			lyrex EM				
Notes USABLE @208V	5.46A SF 1.	00 SFA 5.46A					
		icel the previous c	one, which		es based on tests with sin the tolerances stipulated		
This revision replaying the eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing protection (3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	otor from the Im and with t veight subjec ocess.	olerance of +3dB(MG-1.			
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TORQUE AND CURRENT VS SPEED CURVE Three Phase Induction Motor - Squirrel Cage Customer



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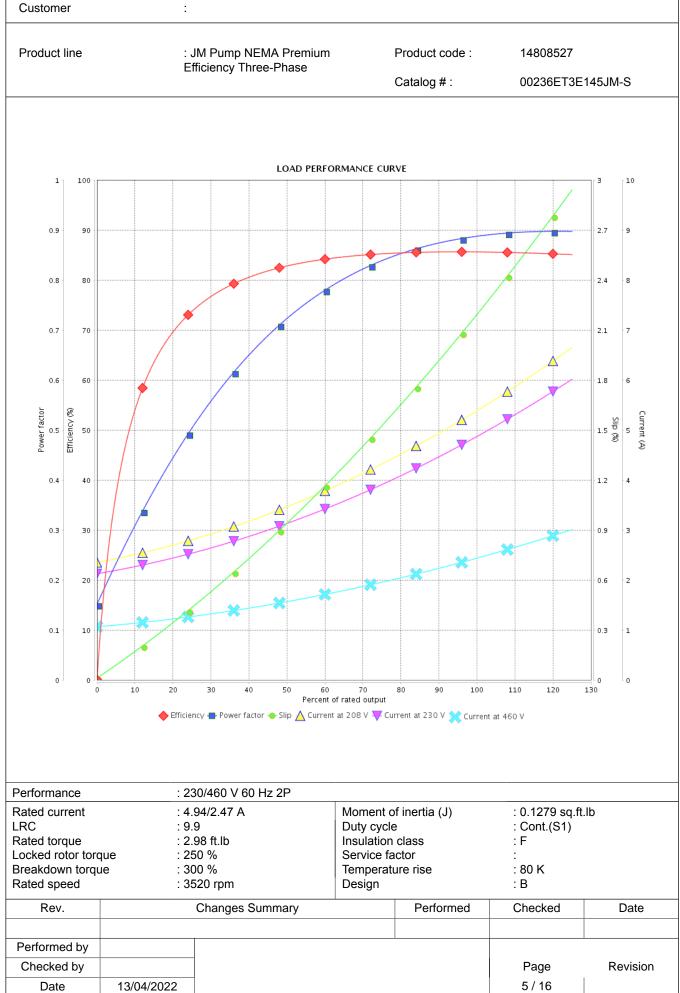


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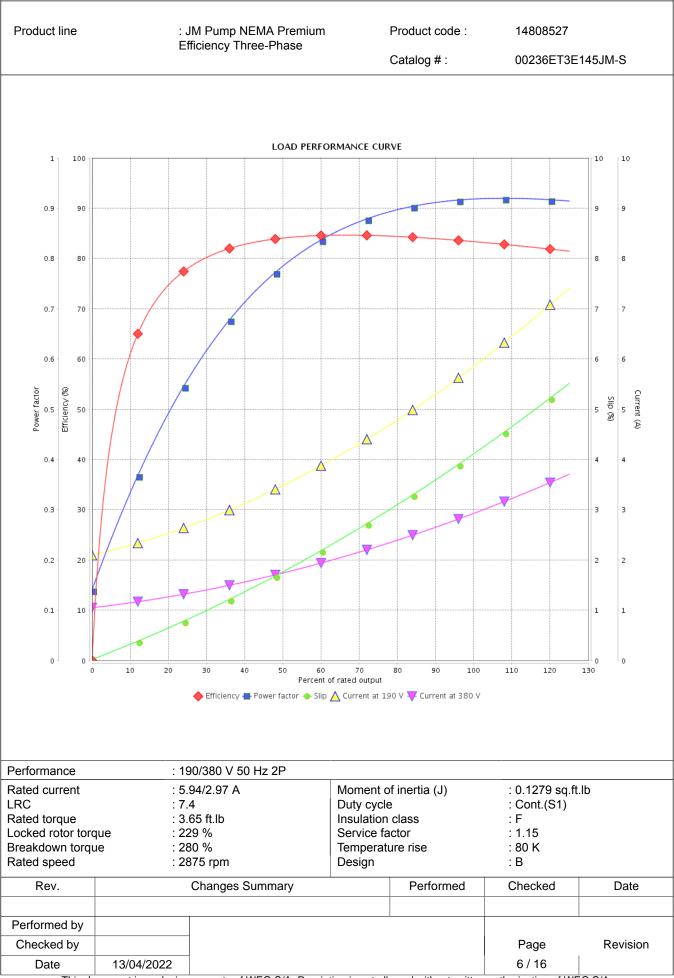
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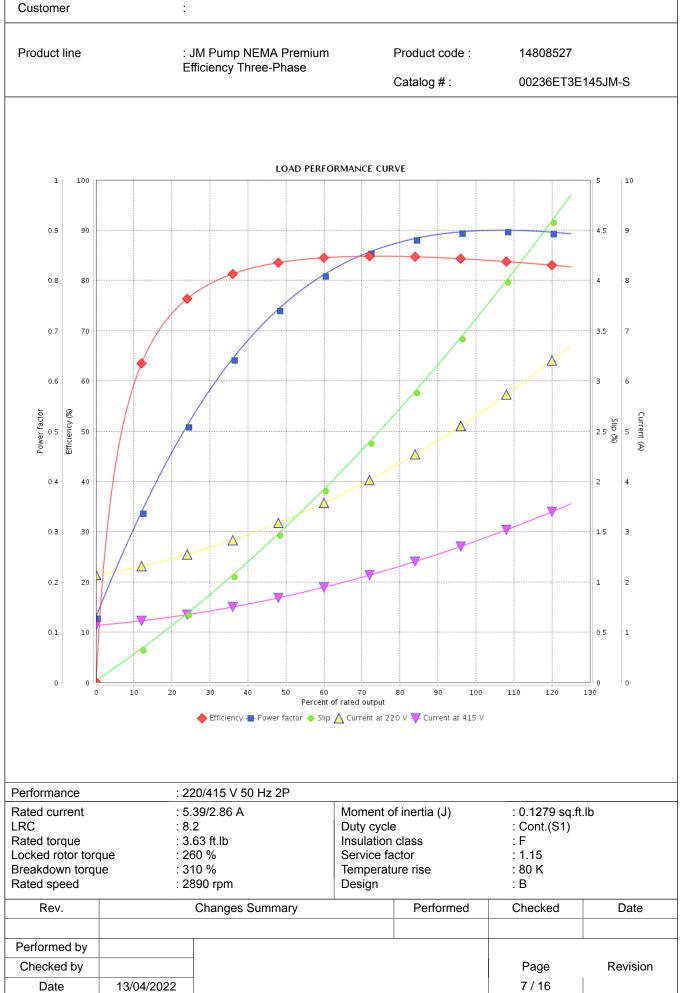
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THERMAL LIMIT CURVE

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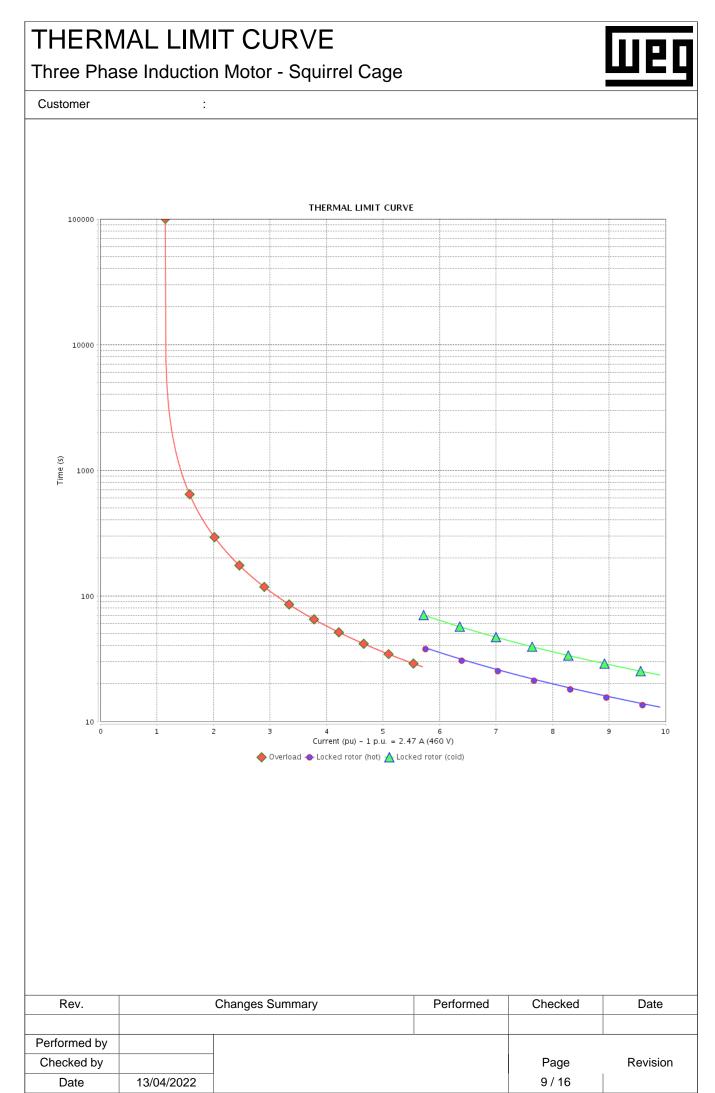


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14808527	
				Catalog # :	00236ET3E ²	I45JM-S
Performance	: 23	30/460 V 60 Hz 2P				
Rated current LRC Rated torque	: 4. : 9. : 2.	94/2.47 A 9 98 ft.lb	Duty cycle Insulation	class	: 0.1279 sq.ft. : Cont.(S1) : F	lb
Locked rotor toro Breakdown torqu Rated speed	ie : 30	50 % 00 % 520 rpm	Service fa Temperat Design		: : 80 K : B	
Heating constant						
Cooling constant	:					
Rev.		Changes Summary		Performed	Checked	Date
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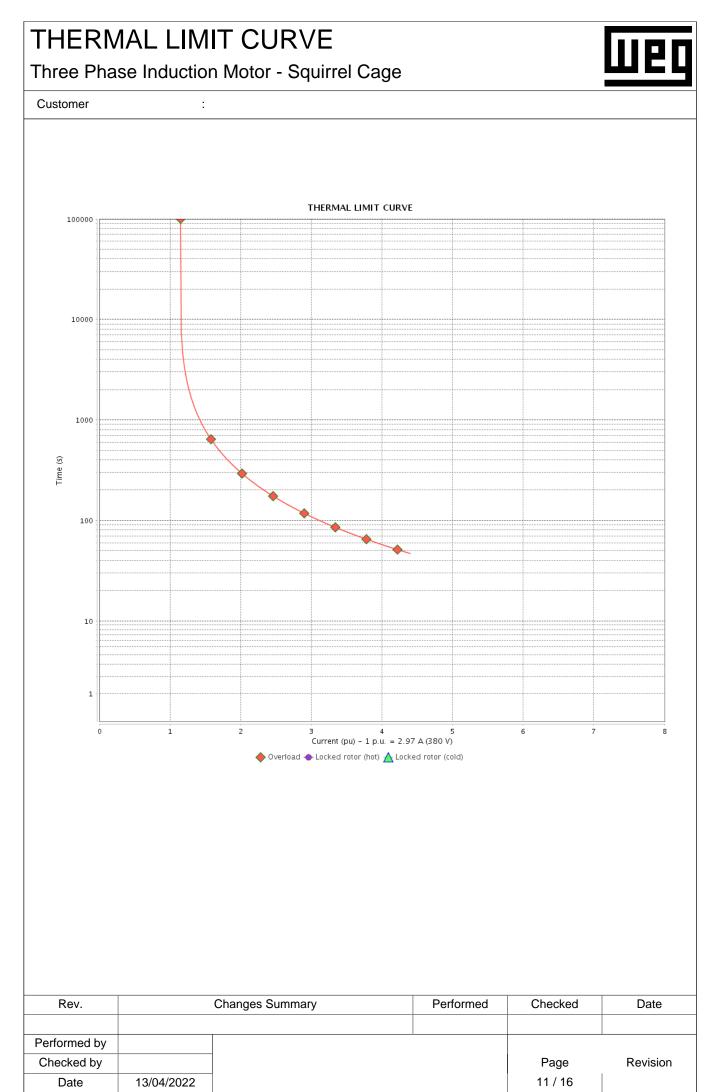


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14808527	
				Catalog # :	00236ET3E1	I45JM-S
Performance	: 19	90/380 V 50 Hz 2P				
Rated current	: 5.	.94/2.97 A	Moment o	of inertia (J)	: 0.1279 sq.ft.	lb
LRC	: 7.	.4 .65 ft.lb	Duty cycle Insulation	9	: Cont.(S1) : F	
Rated torque Locked rotor toro		29 %	Service fa		: 1.15	
Breakdown torqu		80 %	Temperat		: 80 K	
Rated speed		875 rpm	Design		: B	
Heating constan	t					
Cooling constant						
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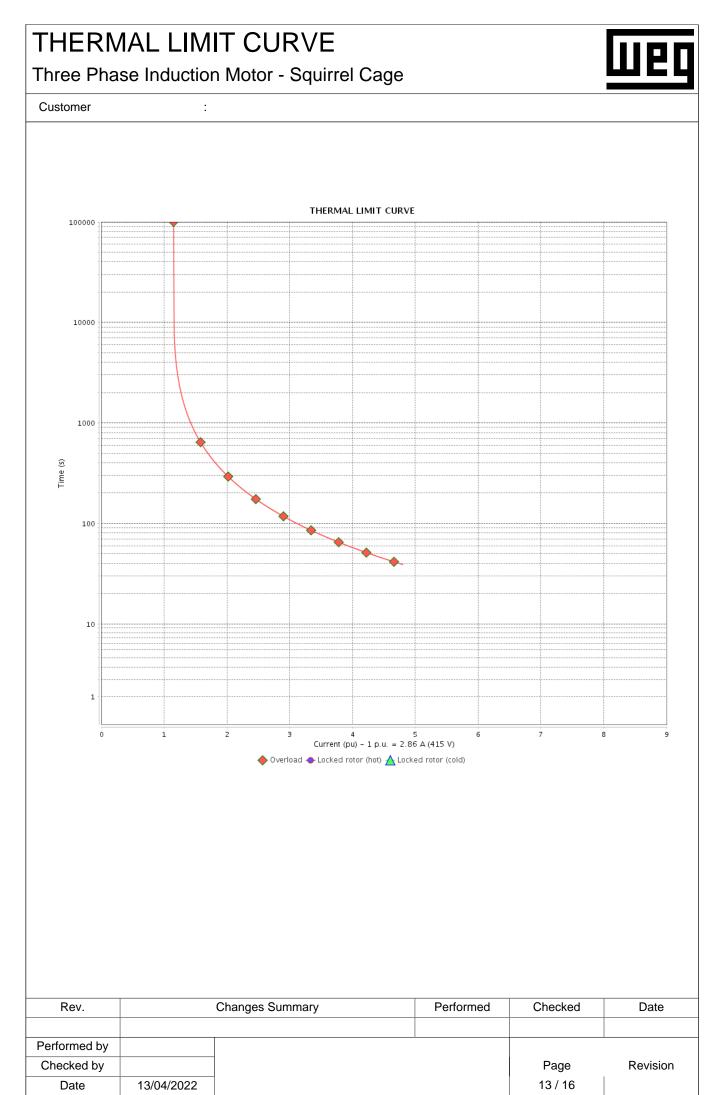


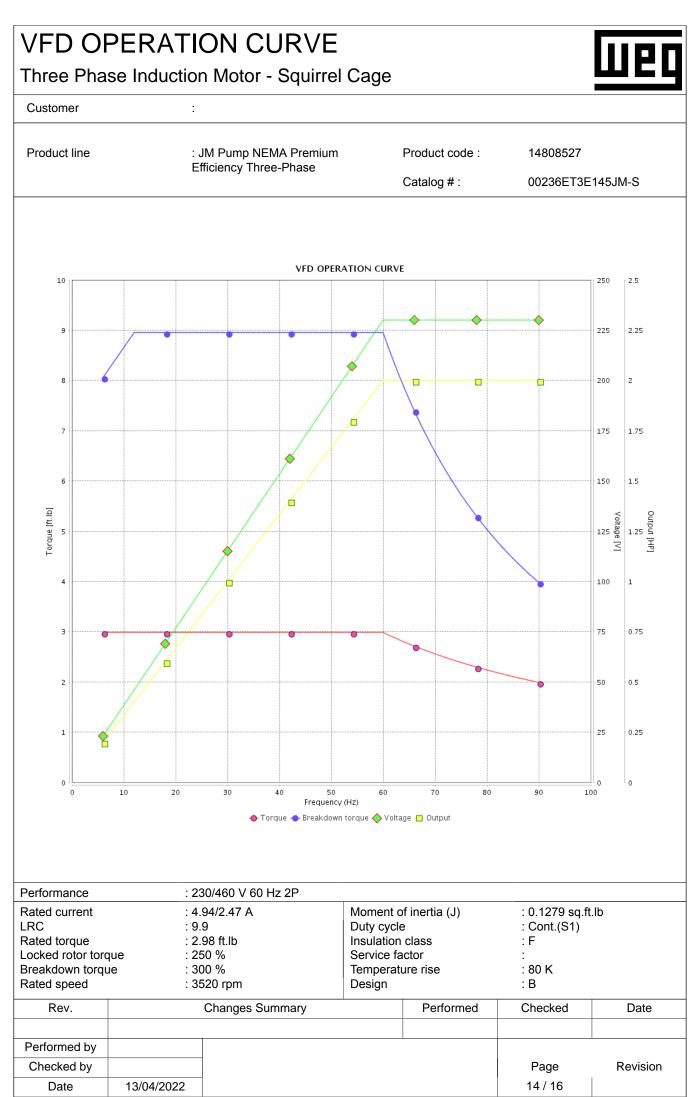
Customer

Product line		IM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	14808527 00236ET3E	145 IM S
				Catalog # .	00230E13E	1400101-0
Performance	: 22	20/415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 8. : 3. jue : 26 ie : 31	39/2.86 A 2 63 ft.lb 50 % 10 % 390 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1279 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constant	t					
Cooling constant						
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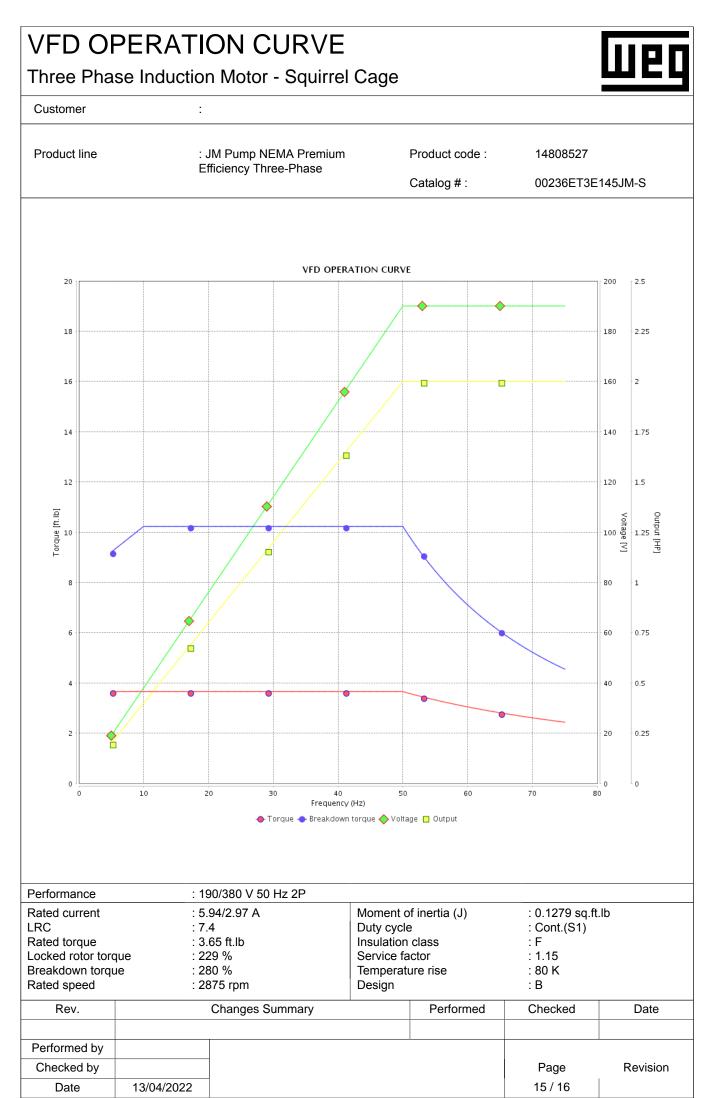
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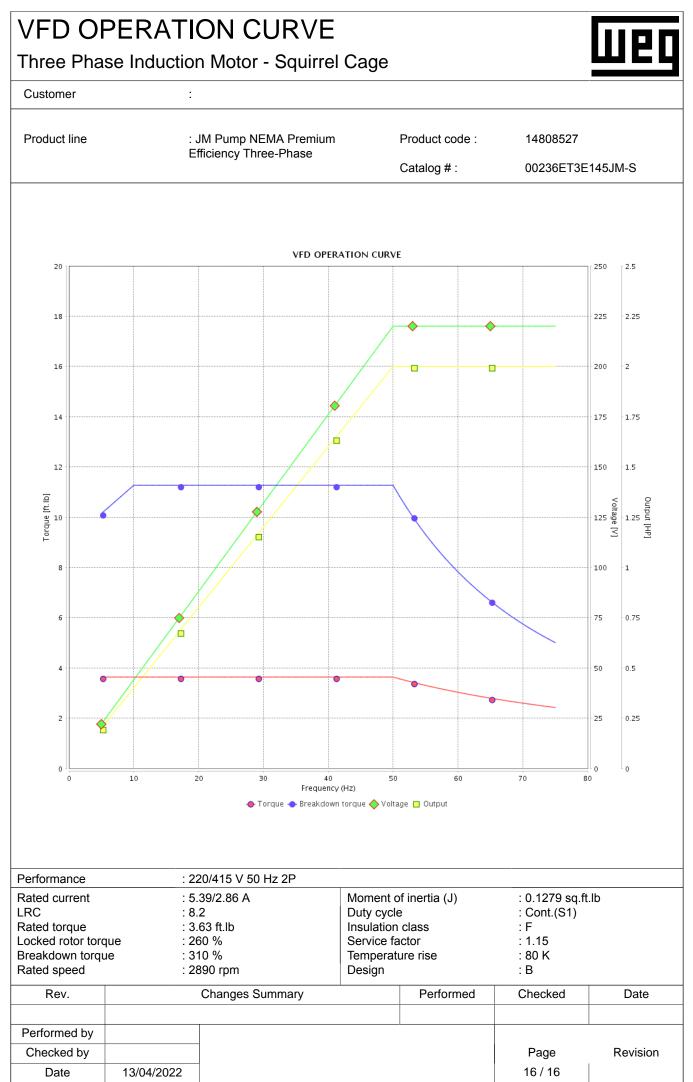


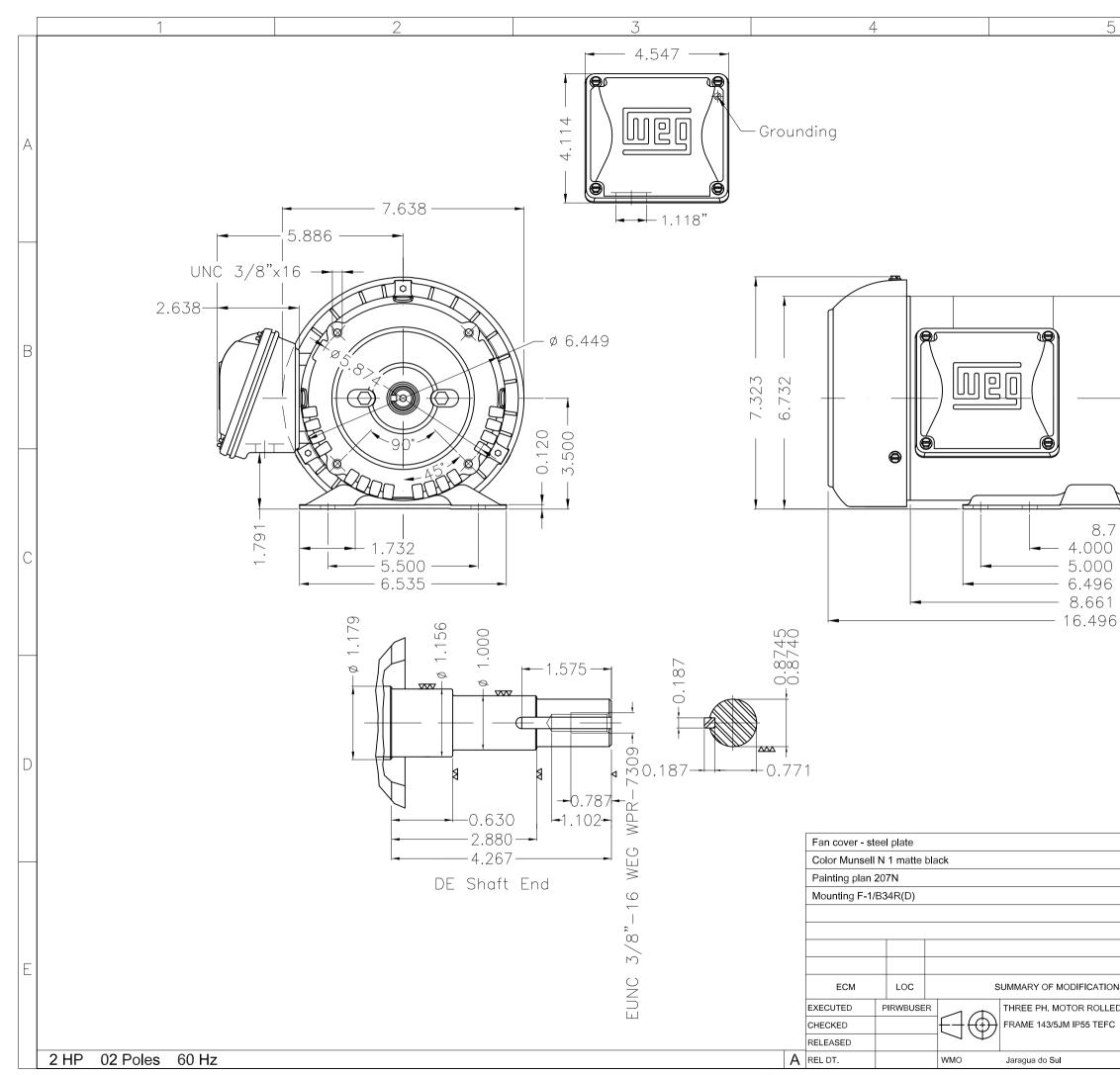


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CONTREPCTION CONTRACTOR CONTRACTO	For 60H2: Class I, Zone 2, IIC Class I, DIVZ, Gr. A,B,C,D - T3 DIV 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1	1 2.0 HP 2.0 HW 12.0 TT CONT V 2301460 V 2301460 TT 000 m.a.st. F5 5632.84 SF 5632.84 SF 5632.84 B 40°C DES F7 155 SF 155 ABLE 2080 5.40A NEMER 5.5% NEMER 5.5% ABLE 2081 5.5% NEMER 5.5% NEMER 5.5% ABLE 2081 5.5% NEMER 5.5% NEMER 5.5% ABLE S20330-410° NEMER 5.5% NEMER 5.5% ABLE S2045 NEMER 5.5% NEMER 5.5% ABLE S205 TABLE 7.5% NEMER 5.5%	E FOTATION seventical resentation rotation rotation rotation a Gevention rotation a Gevention rotation rotation rotation
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	MADE IN MEXICO MAT: 14808527 CC029A W01.TEOICOXON MODEL 00236ET3E145JM-S 29MAR2022 B/N:	I hz 60 	INGE ANY TWO LINE NG: Motor must be (Inational electrical of nocks. Disconnect p AVERTISSEMENT x codes électriques (ave. Déconnectez 13
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