# DATA SHEET

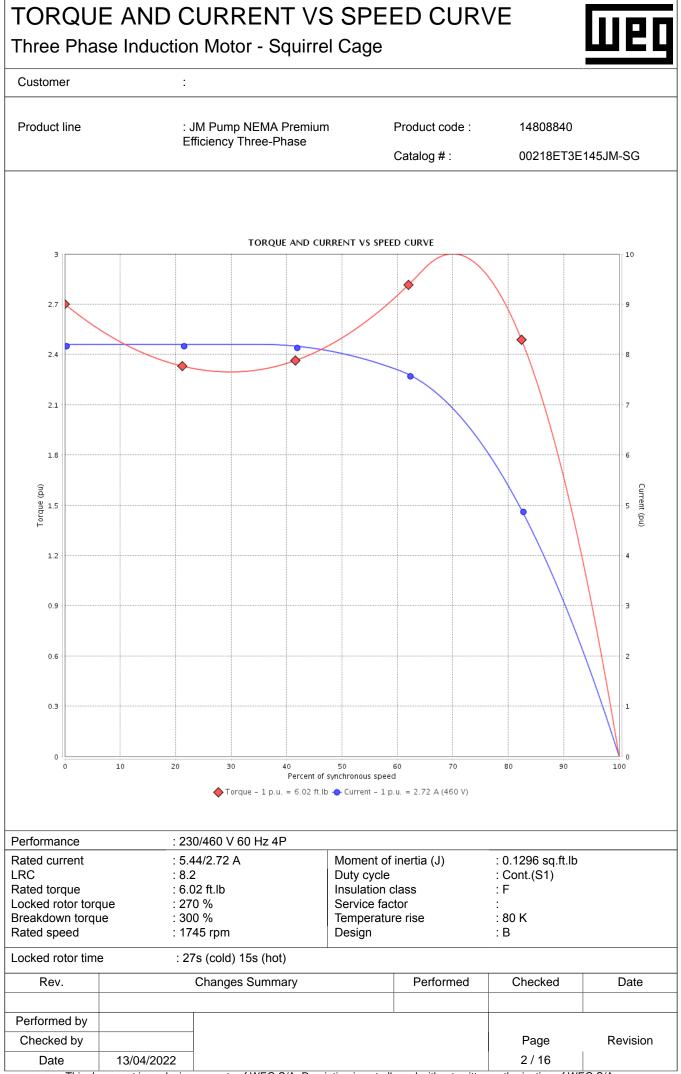
Three Phase Induction Motor - Squirrel Cage

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#### Customer

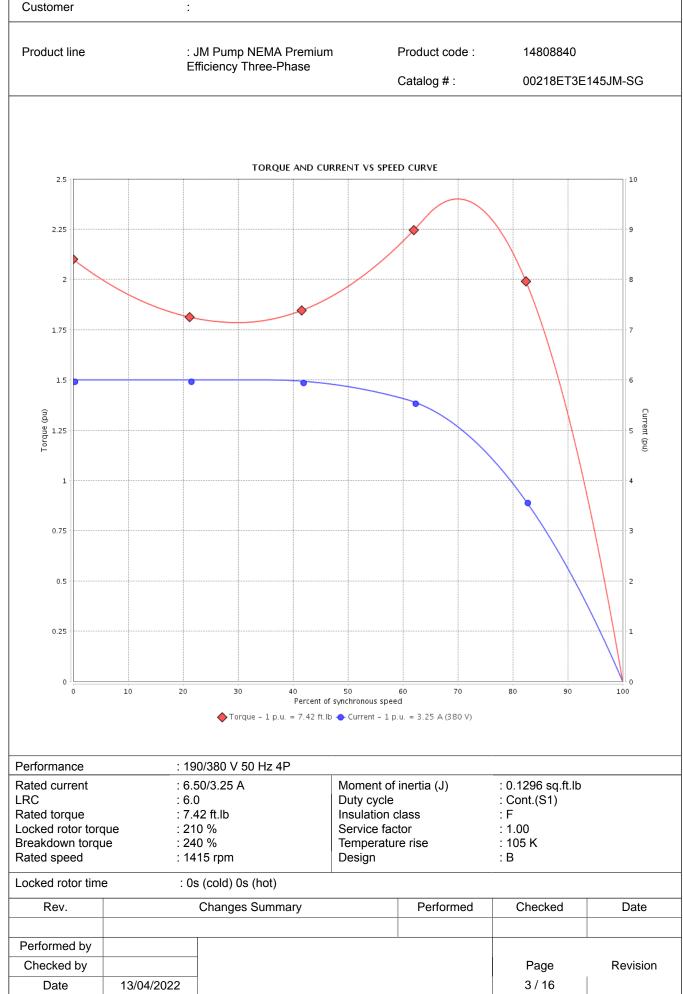
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :		14808840	14808840 00218ET3E145JM-SG	
						00218ET3E		
Frame		: 143/5JM		Cooling	method	: IC411 - TE	FC	
Insulation class		: F				: F-1	-	
Duty cycle		: Cont.(S1)		Mounting Rotation		: Both (CW	and CCW)	
Ambient tempera	ature	: -20°C to +40°C		Starting			: Direct On Line	
Altitude		: 1000 m.a.s.l.		Approx.			: 47.4 lb	
Protection degre	e	: IP55			of inertia (J)			
Design	-	: B						
Dutput [HP]		:	2		2		2	
Poles			4	4			4	
Frequency [Hz]		6	60	50			50	
Rated voltage [V]		230	230/460		190/380		20/415	
Rated current [A]			5.44/2.72		6.50/3.25		5.89/3.12	
. R. Amperes [A]		44.6/22.3			39.0/19.5		39.4/20.9	
_RC [A]		8.2x(Code K)		6	.0x(Code H)		6.7x(Code J)	
No load current [A	1		,	0	2.75/1.37		2.87/1.52	
Rated speed [RPN			2.80/1.40		1415		1425	
	<b>''</b>		1745		5.67		5.00	
Slip [%] Rated torque [ft lb]	1		3.06		7.42		7.37	
Rated torque [ft.lb]		6.02						
_ocked rotor torqu			270		210		240	
Breakdown torque	[%]	3	00		240		270	
Service factor					1.00		1.00	
Temperature rise			) K		105 K		105 K	
Locked rotor time			) 15s (hot)		(cold) 0s (hot)		ld) 0s (hot)	
Noise level <sup>2</sup>			dB(A)		49.0 dB(A)		0 dB(A)	
	25%		3.0		87.1		86.0	
Efficiency (%)	50%		85.5		85.4		84.9	
	75%		87.5		84.9		85.2	
	100%		86.5		82.6		83.6	
	25%		0.35		0.42		0.38	
Power Factor	50%		0.60		0.68		0.64	
Fower Factor	75%		0.73		0.80		0.76	
	100%	0.	80		0.85		0.83	
		Drive end	Non drive end	Foundati	on loads			
Bearing type		: 6206 ZZ	6203 ZZ	Max. trac	tion	: 149 lb		
Sealing		: V'Ring	V'Ring	Max. con	npression	: 197 lb		
Lubrication interval		: -	-					
Lubricant amoun	t	: -	-					
Lubricant type		: Mobil F	blyrex EM					
Notes			-	<u> </u>				
USABLE @208V	6.02A SF 1.	00 SFA 6.02A						
This revision repla	aces and car	ncel the previous	s one, which	These ar	e averade values	based on tests w	ith sinusoidal	
must be eliminate			-,			ne tolerances stipu		
(1) Looking the m		e shaft end.		MG-1.		<b>-</b>		
(2) Measured at 1			B(A).					
(3) Approximate v								
manufacturing pro		0						
(4) At 100% of ful								
Rev.		Changes S	ummary		Performed	Checked	Date	
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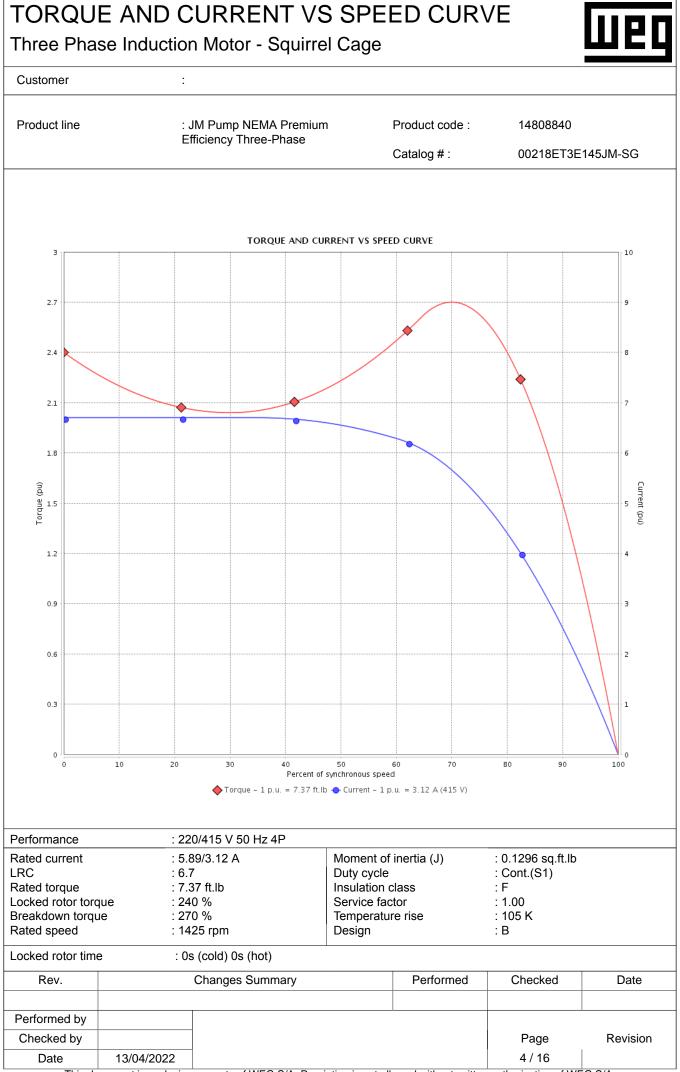
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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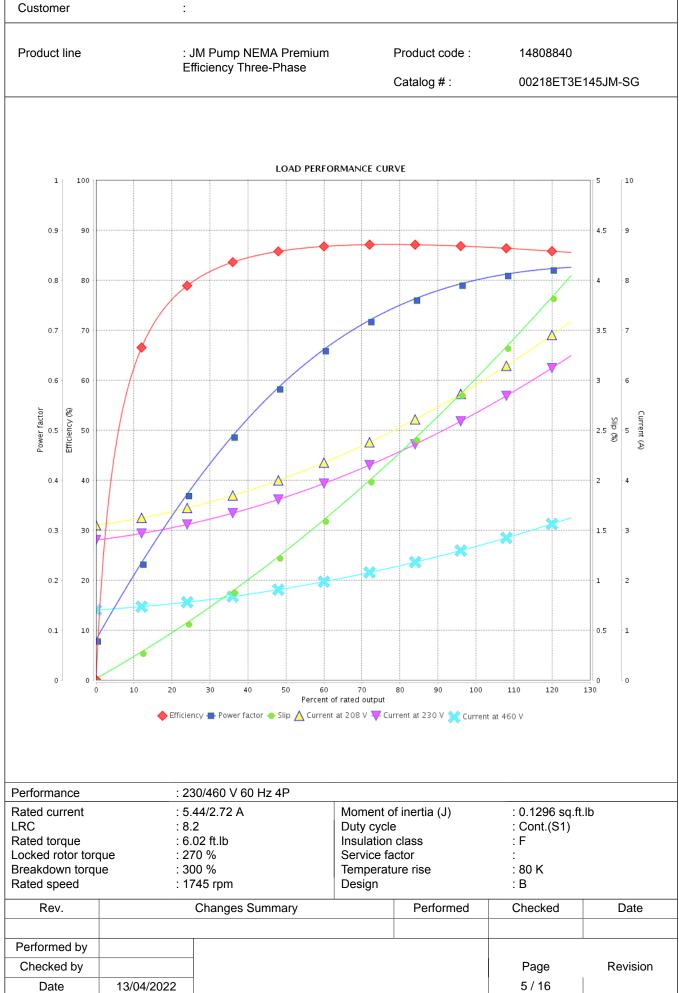
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## LOAD PERFORMANCE CURVE

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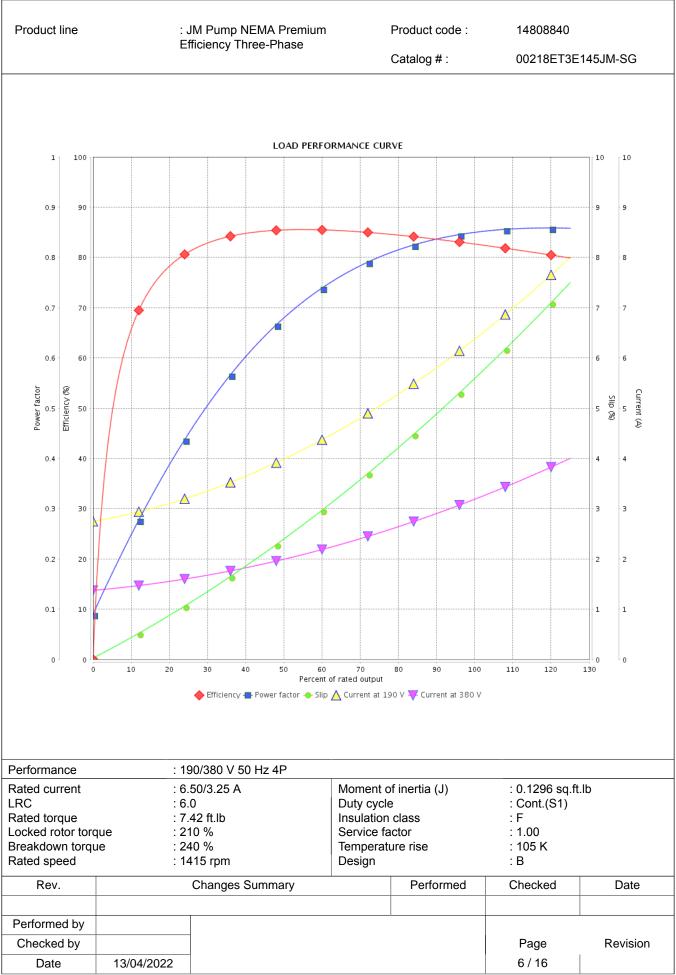
## LOAD PERFORMANCE CURVE

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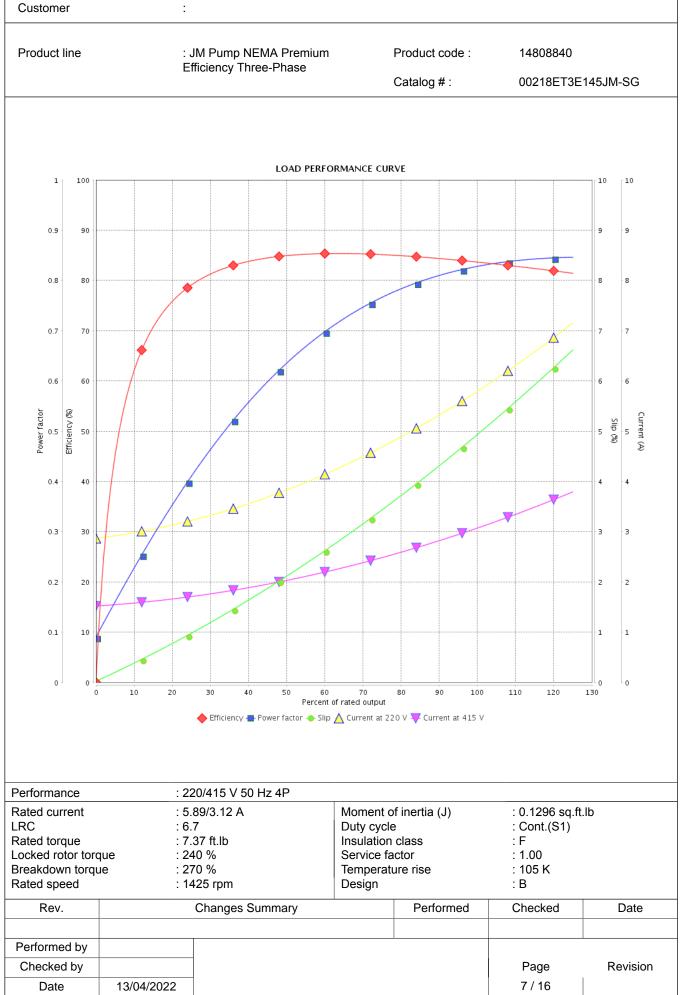
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## LOAD PERFORMANCE CURVE

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## THERMAL LIMIT CURVE

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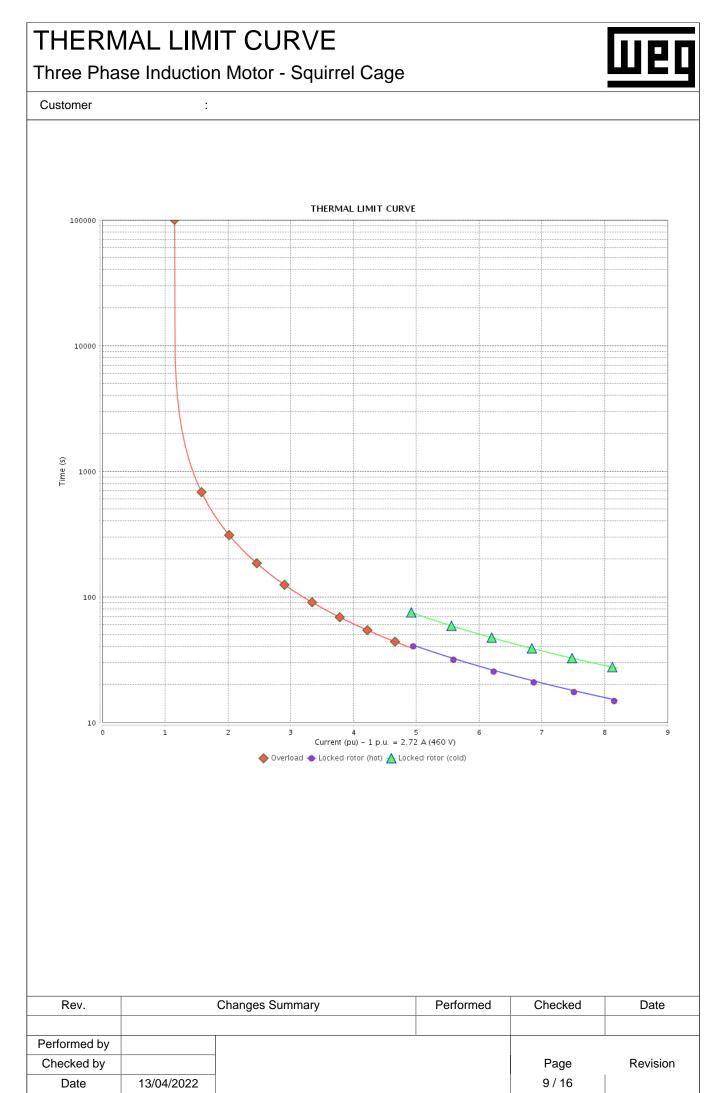


Customer

Product line : JM Pump NE Efficiency Thr		JM Pump NEMA Premium fficiency Three-Phase		Product code :	14808840 00218ET3E145JM-SG		
				Catalog # :	00218E13E	145JIVI-5G	
Porformanco	· 22						
Performance Rated current LRC		30/460 V 60 Hz 4P 44/2.72 A 2	Moment o Duty cycle	f inertia (J)	: 0.1296 sq.ft. : Cont.(S1)	lb	
Rated torque Locked rotor torque Breakdown torque Rated speed	: 6. ue : 27 e : 30	2 02 ft.lb 70 % 00 % 745 rpm	Insulation Service fa Temperate Design	class ictor	: F : : 80 K : B		
		וויקי טדי	Design		. U		
Heating constant							
Cooling constant Rev.		Changes Summary		Performed	Checked	Date	
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## THERMAL LIMIT CURVE

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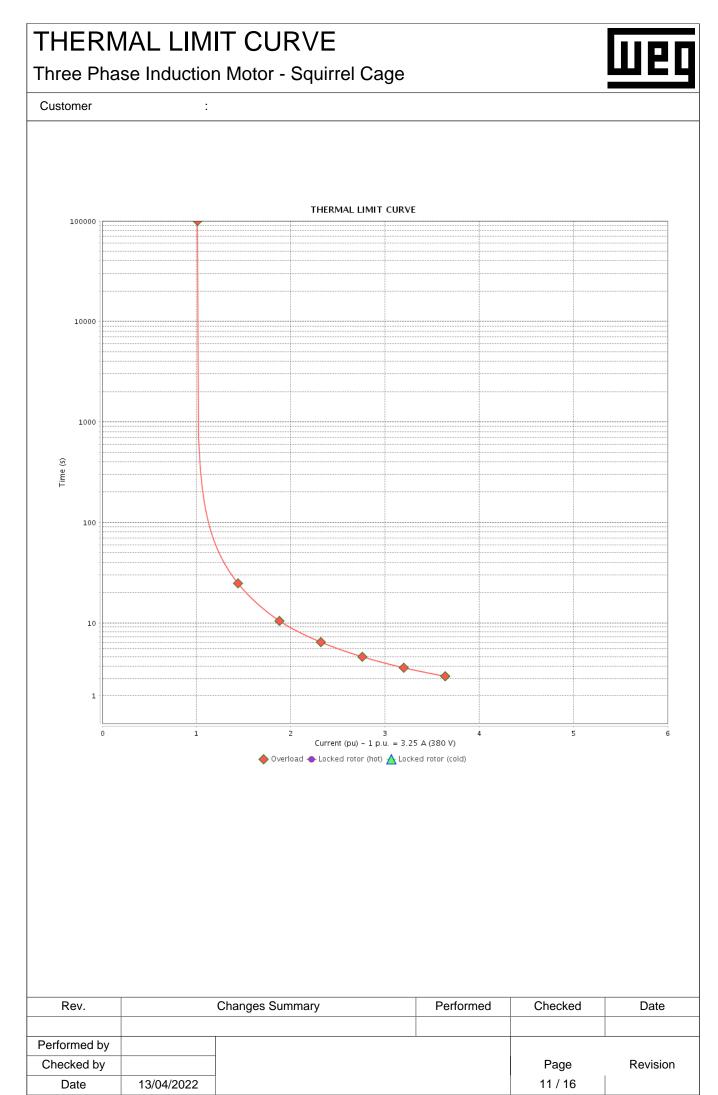


Customer

Product line	e : JM Pump NEMA Premium Efficiency Three-Phase			Product code : Catalog # :	14808840 00218ET3E145JM-SG	
Performance	. 10	90/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 6. : 7. jue : 21 ie : 24	50/3.25 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1296 sq.ft : Cont.(S1) : F : 1.00 : 105 K : B	lb
Heating constan Cooling constant						
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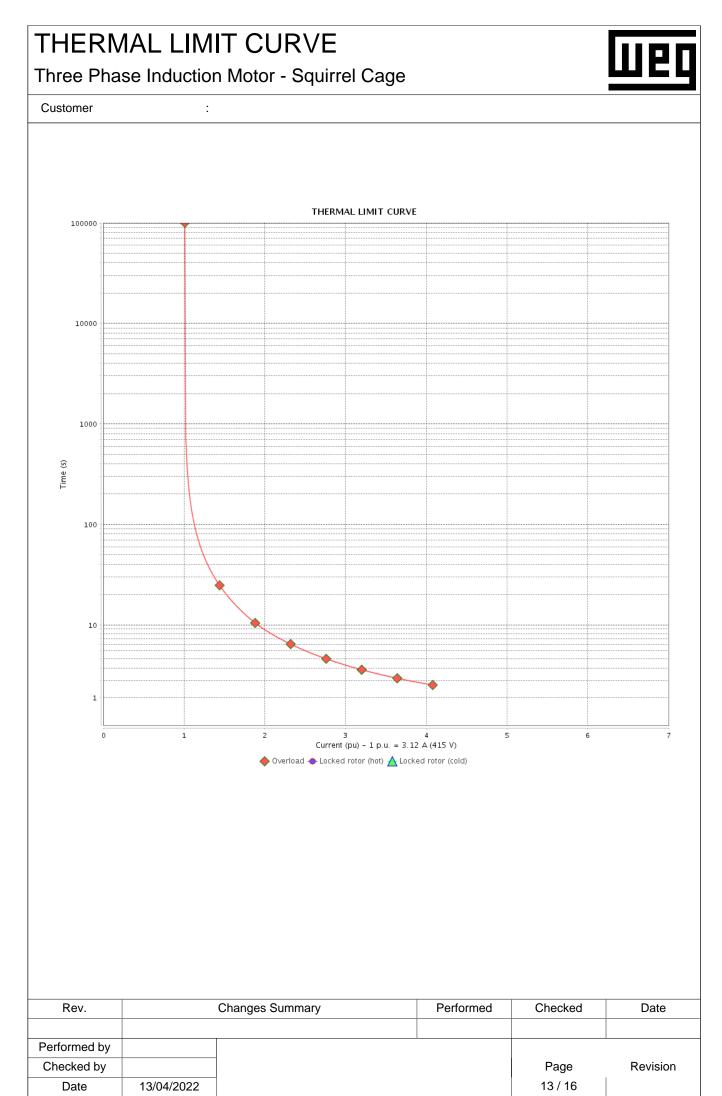


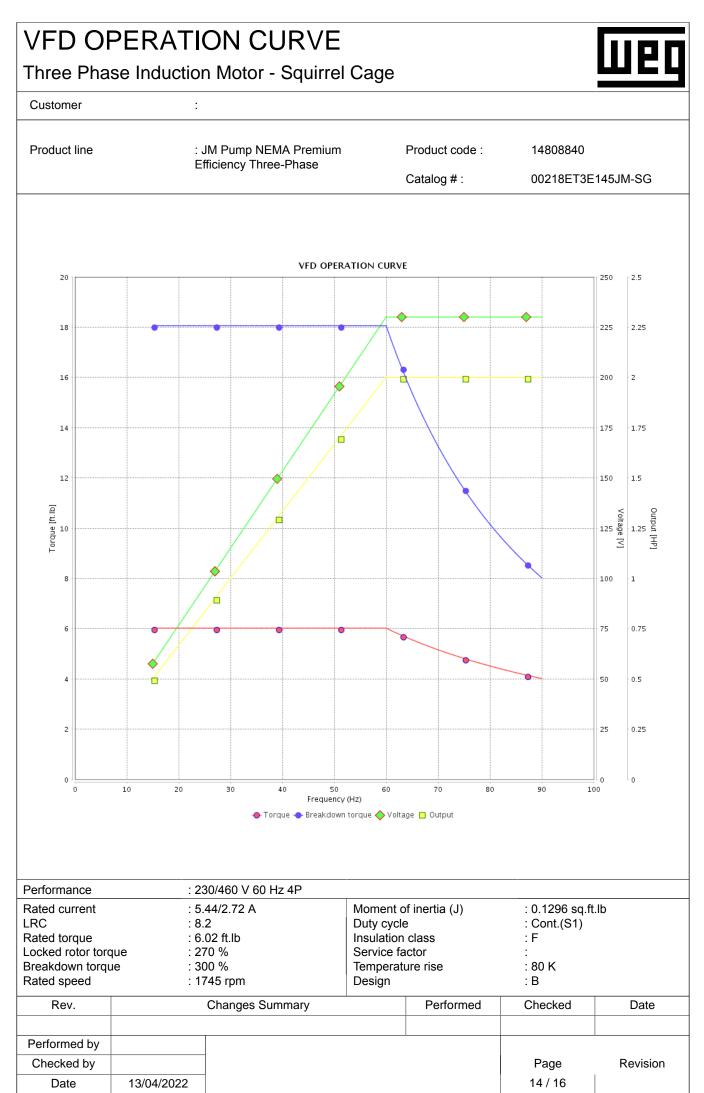
Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14808840	
				Catalog # :	00218ET3E	00218ET3E145JM-SG
Performance	: 22	20/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6. : 7. jue : 24 ie : 27	89/3.12 A 7 37 ft.lb 40 % 70 % 425 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1296 sq.ft. : Cont.(S1) : F : 1.00 : 105 K : B	lb
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
Date	13/04/2022				12 / 16	

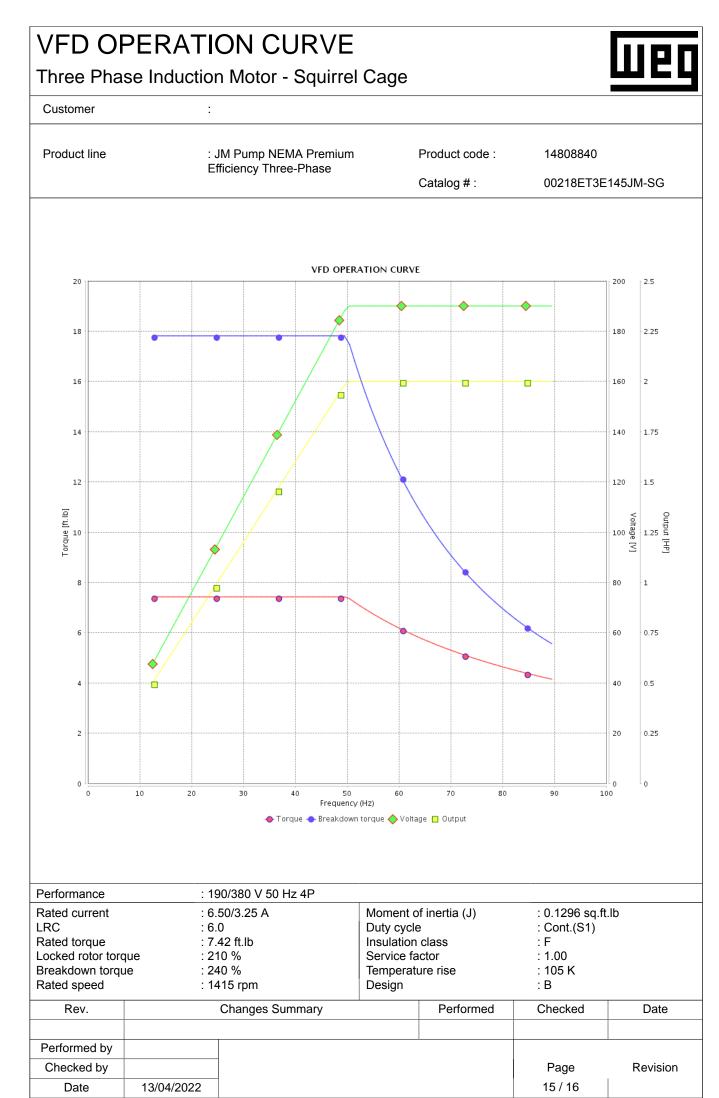
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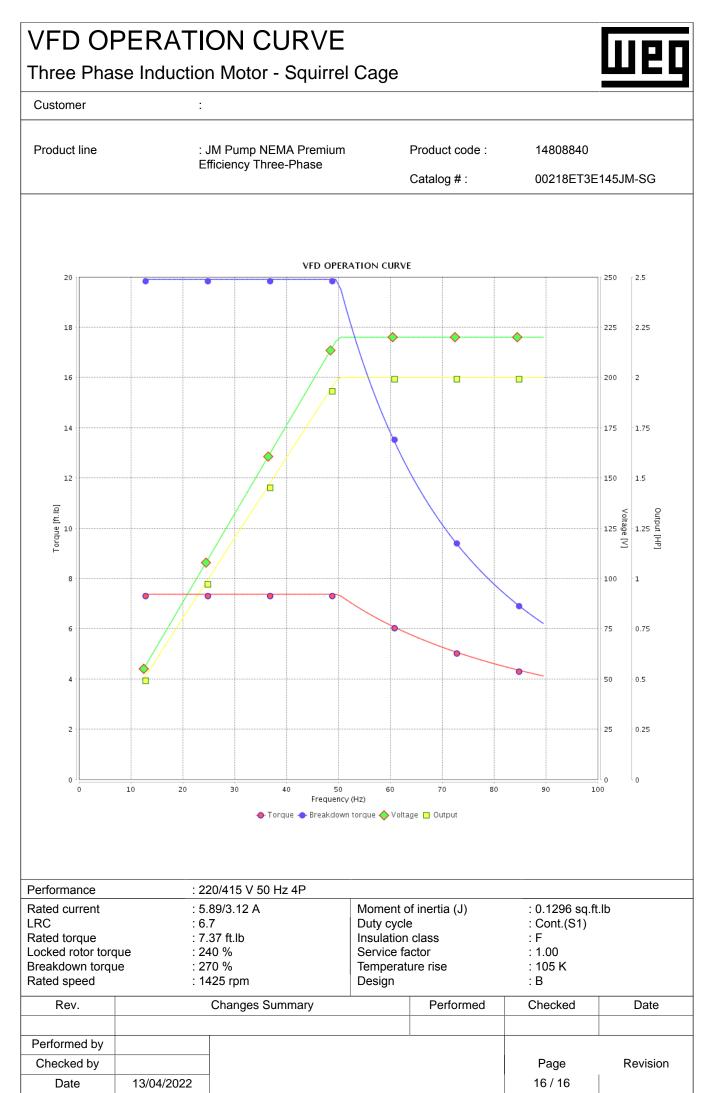


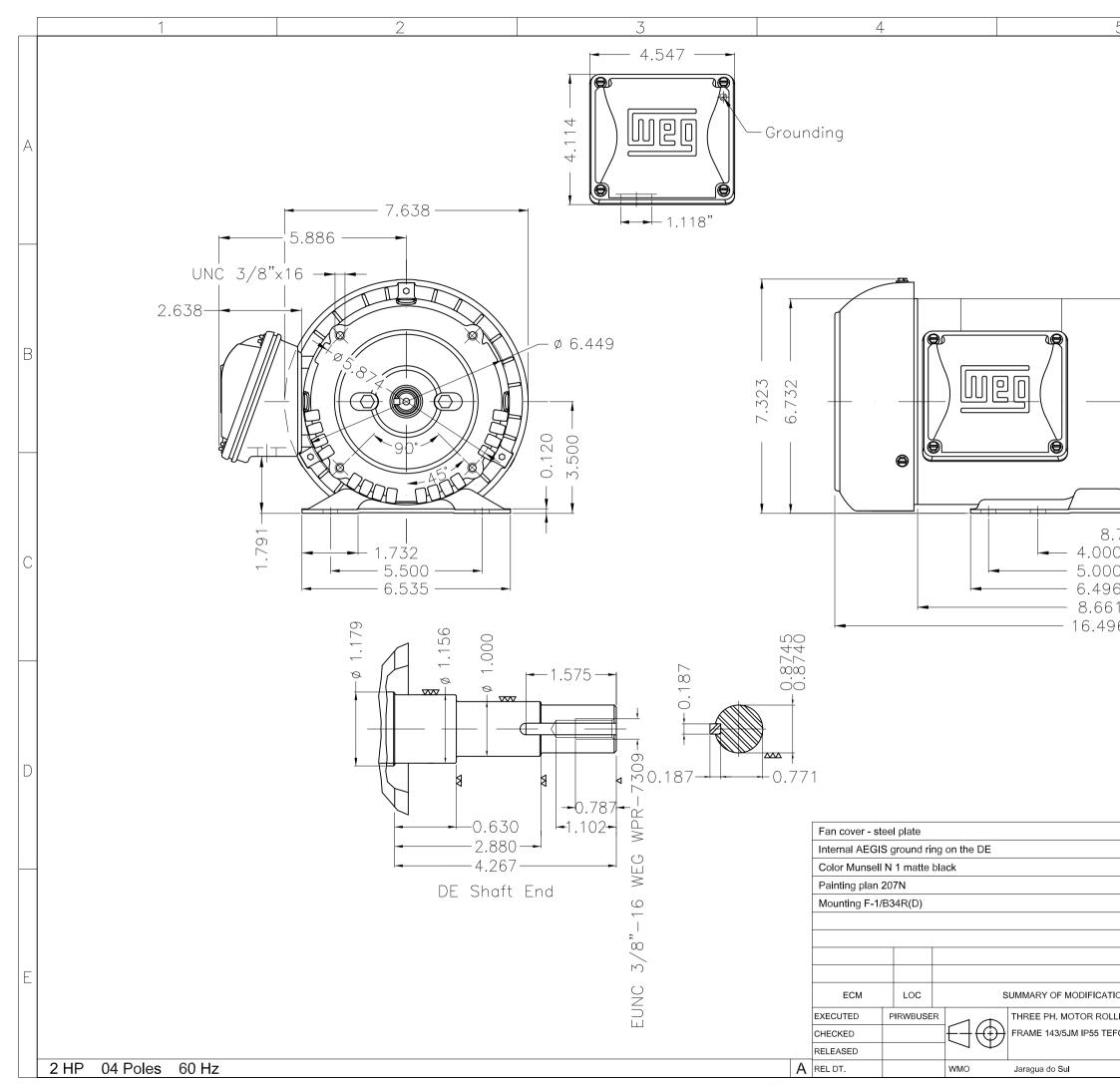


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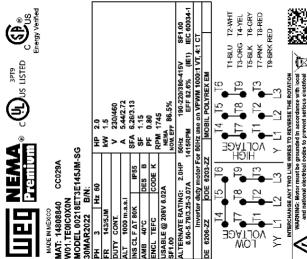
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LED STEEL CLOSE COUP	
Product Engin	



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

chocks. Disconnect power source before servicing unit.

