DATA SHEET

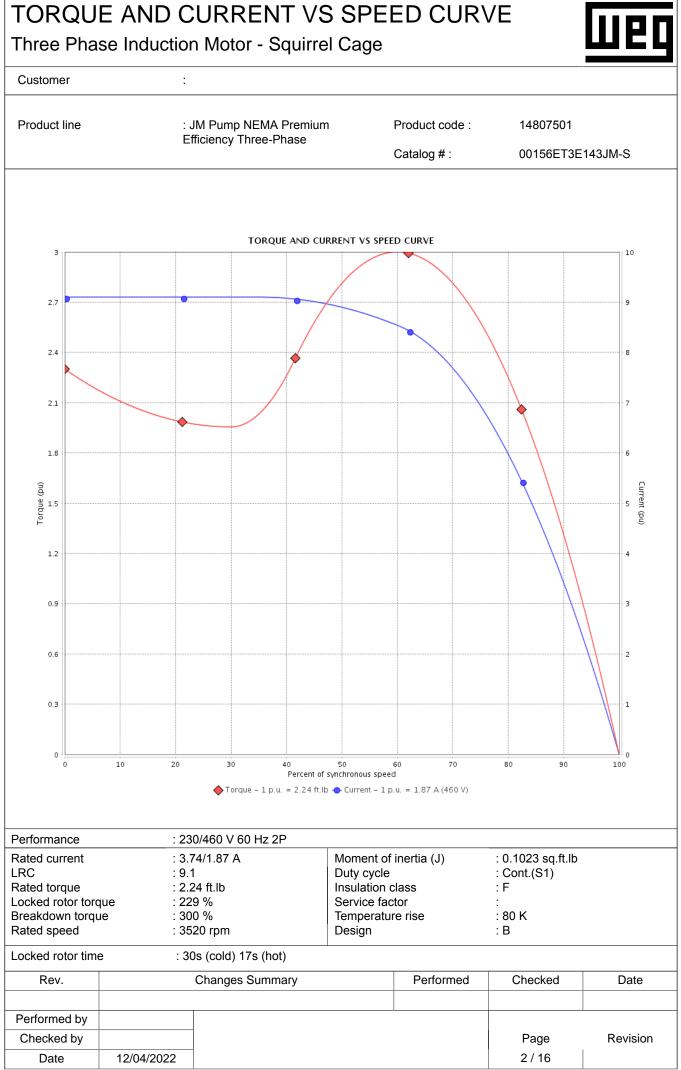
Three Phase Induction Motor - Squirrel Cage

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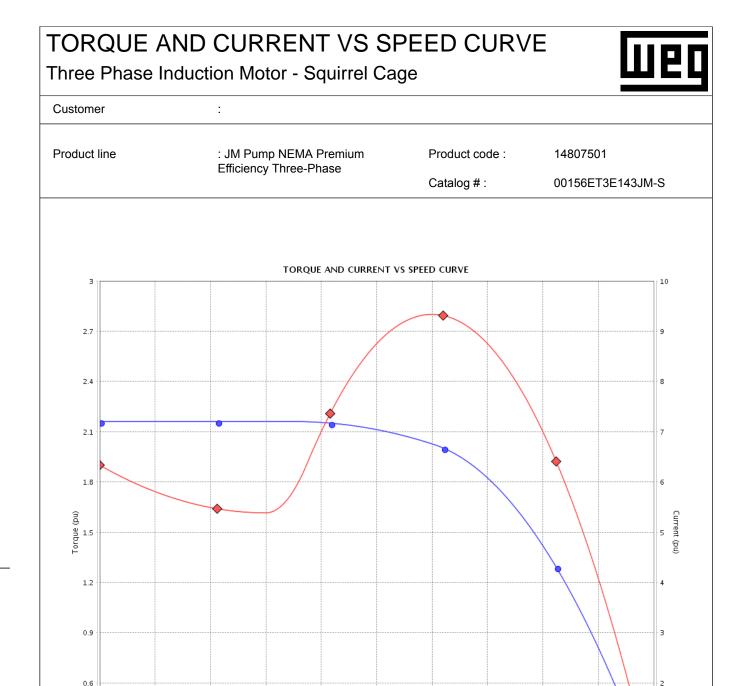


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	14807501	
		Linclency milee-rhase	Catalog # :	00156ET3E143JM-S	
Frame		: 143/5JM	Cooling method	: IC411 - TEFC	
Insulation class		: F	Mounting	: F-1	
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient temperature		: -20°C to +40°C	Starting method	: Direct On Line	
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 36.9 lb	
Protection degree		: IP55	Moment of inertia (J)	: 0.1023 sq.ft.lb	
Design	•	: B			
Output [HP]		1.5	1.5	1.5	
Poles		2	2	2	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		3.74/1.87	4.44/2.22	4.02/2.13	
R. Amperes [A]		34.0/17.0	32.0/16.0	32.1/17.0	
RC [A]		9.1x(Code L)	7.2x(Code H)	8.0x(Code J)	
No load current [A		1.72/0.859	1.69/0.845	1.72/0.914	
Rated speed [RPN	/I]	3520	2895	2905	
Slip [%]		2.22	3.50	3.17	
Rated torque [ft.lb]]	2.24	2.72	2.71	
ocked rotor torqu		229	190	220	
Breakdown torque		300	280	310	
Service factor	. [, .]		1.15	1.15	
		90 K			
Temperature rise		80 K	80 K	80 K	
Locked rotor time		30s (cold) 17s (hot)	0s (cold) 0s (hot)	Os (cold) Os (hot)	
Noise level ²		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)	
	25%	78.4	83.1	82.2	
	50%	80.0	82.6	82.2	
Efficiency (%)	75%	82.5	83.8	84.0	
	100%	84.0	82.9	83.6	
	25%	0.44	0.49		
				0.46	
Power Factor	50%	0.71	0.77	0.73	
	75%	0.82	0.87	0.84	
	100%	0.88	0.91	0.89	
		Drive end Non drive en			
Bearing type		: 6206 ZZ 6203 ZZ	Max. traction	: 54 lb	
Sealing		: V'Ring Without	Max. compression	: 91 lb	
Lubrication interv	val	Bearing Se	ai		
Lubricant amoun	ii.				
Lubricant type		: Mobil Polyrex EM			
Notes USABLE @208V	′ 4.13A SF 1.1	00 SFA 4.13A			
		cel the previous one, which		based on tests with sinusoidal	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate	ed. notor from the 1m and with to weight subject	shaft end. olerance of +3dB(A). t to changes after	power supply, subject to the MG-1.		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. notor from the 1m and with to weight subject ocess.	olerance of +3dB(A). It to changes after	MG-1.		
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must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. notor from the 1m and with to weight subject ocess.	olerance of +3dB(A). It to changes after	MG-1.	Checked Date	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. notor from the 1m and with to weight subject ocess.	olerance of +3dB(A). It to changes after Changes Summary	MG-1.		



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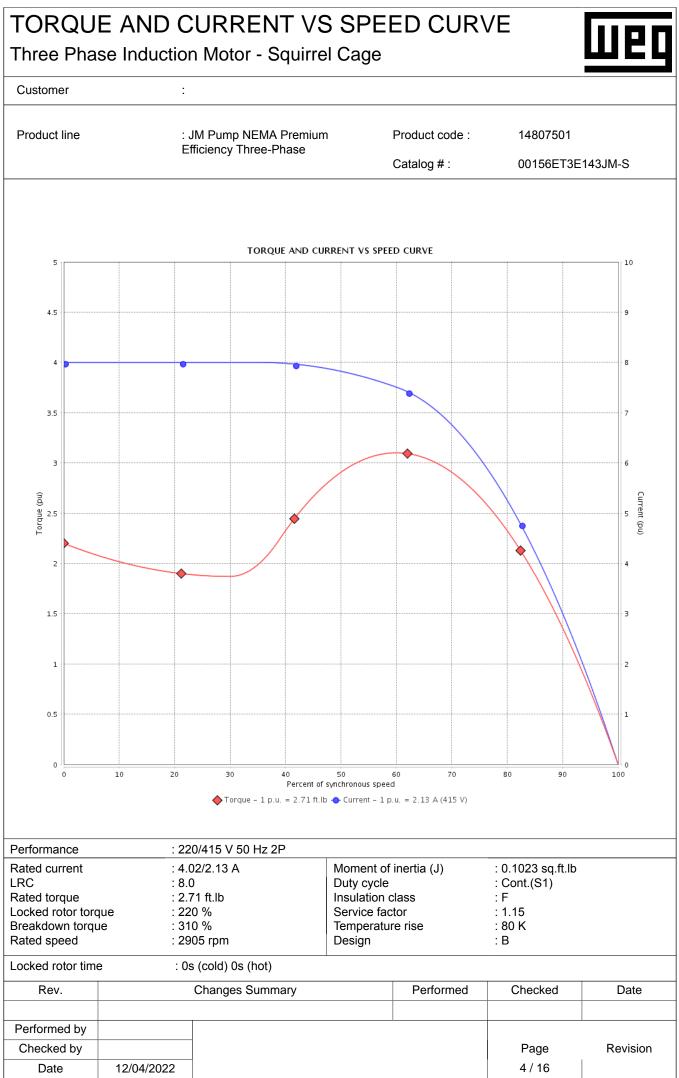


Performance	:	190/380 V 50 Hz 2P				
Rated current	Rated current : 4.44/2.22 A		Moment of	Moment of inertia (J)		
LRC	:	7.2	Duty cycle		: Cont.(S1)	
Rated torque	:	2.72 ft.lb	Insulation class		:F	
Locked rotor torque	e :	190 %	Service factor		: 1.15	
Breakdown torque	:	280 %	Temperatur	e rise	: 80 K	
Rated speed	:	2895 rpm	Design		: B	
Locked rotor time	:	0s (cold) 0s (hot)	,			
Rev.		Changes Summary		Performed	Checked	Date
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40 50 6 Percent of synchronous speed

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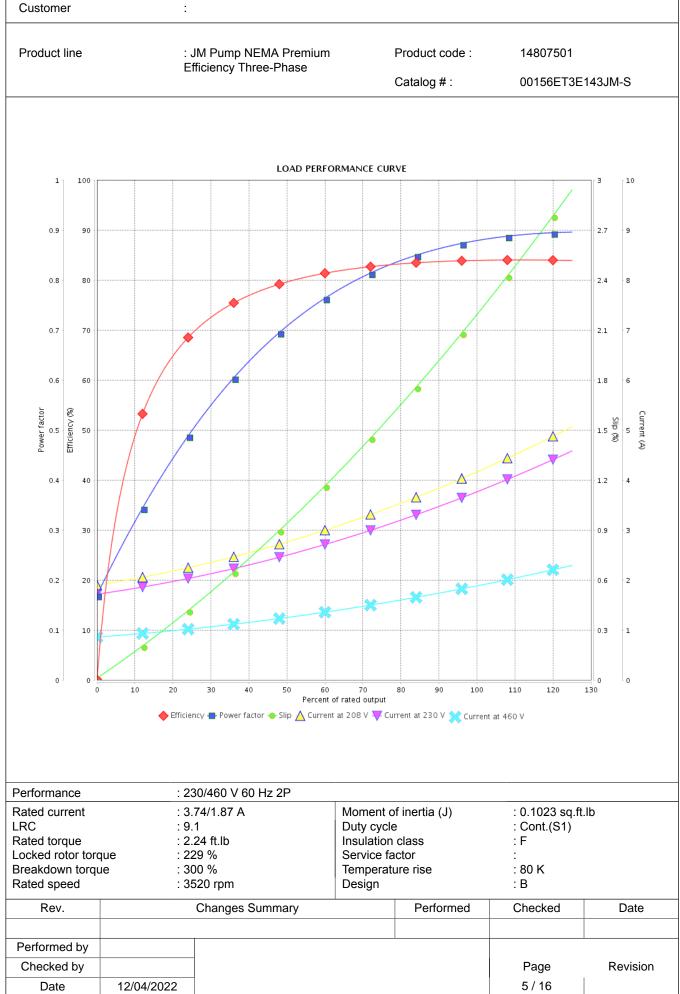


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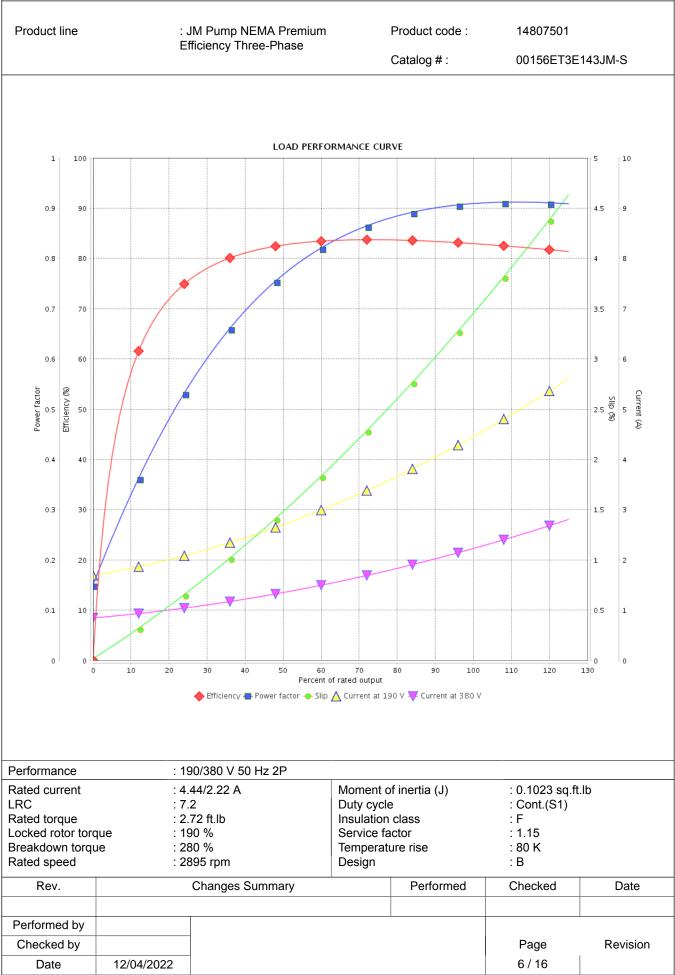
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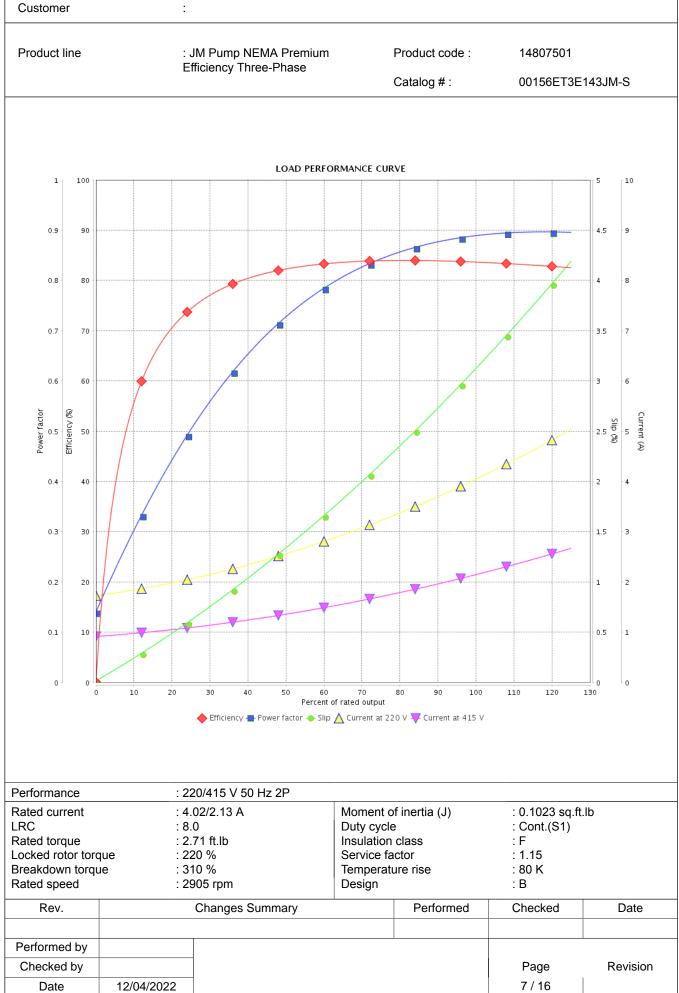
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THERMAL LIMIT CURVE

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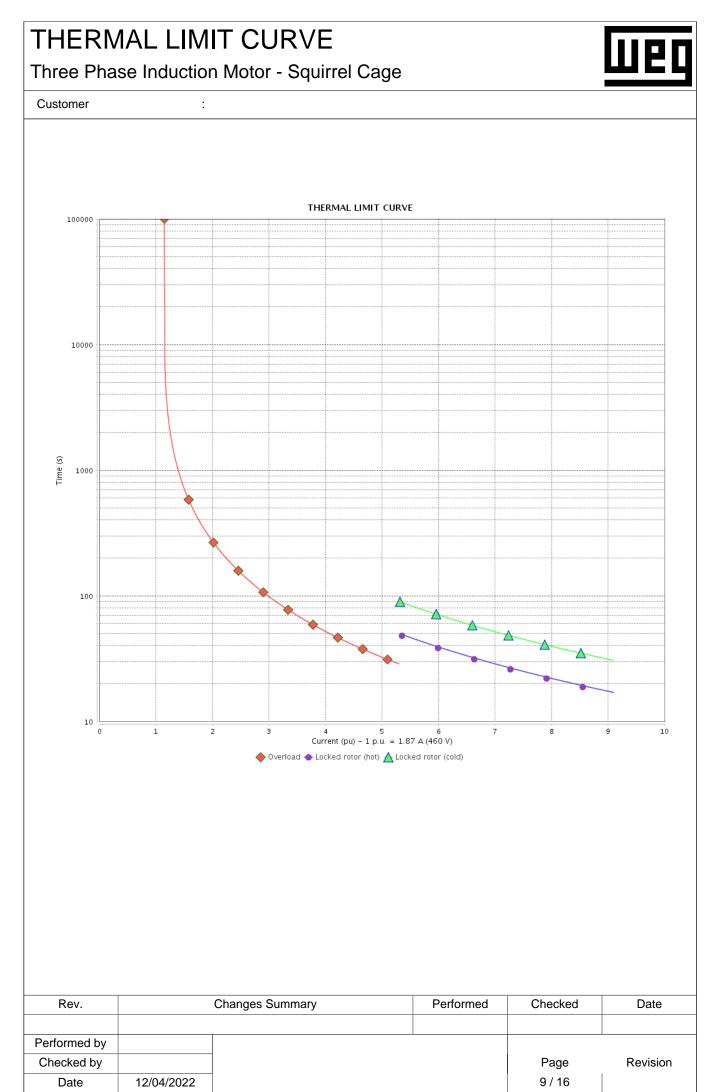


Customer

Product line	: c Et	JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	14807501 00156ET3E	143JM-S
Performance	: 23	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 9. : 2. jue : 22 ie : 30	74/1.87 A 1 24 ft.lb 29 % 00 % 520 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1023 sq.ft. : Cont.(S1) : F : : 80 K : B	lb
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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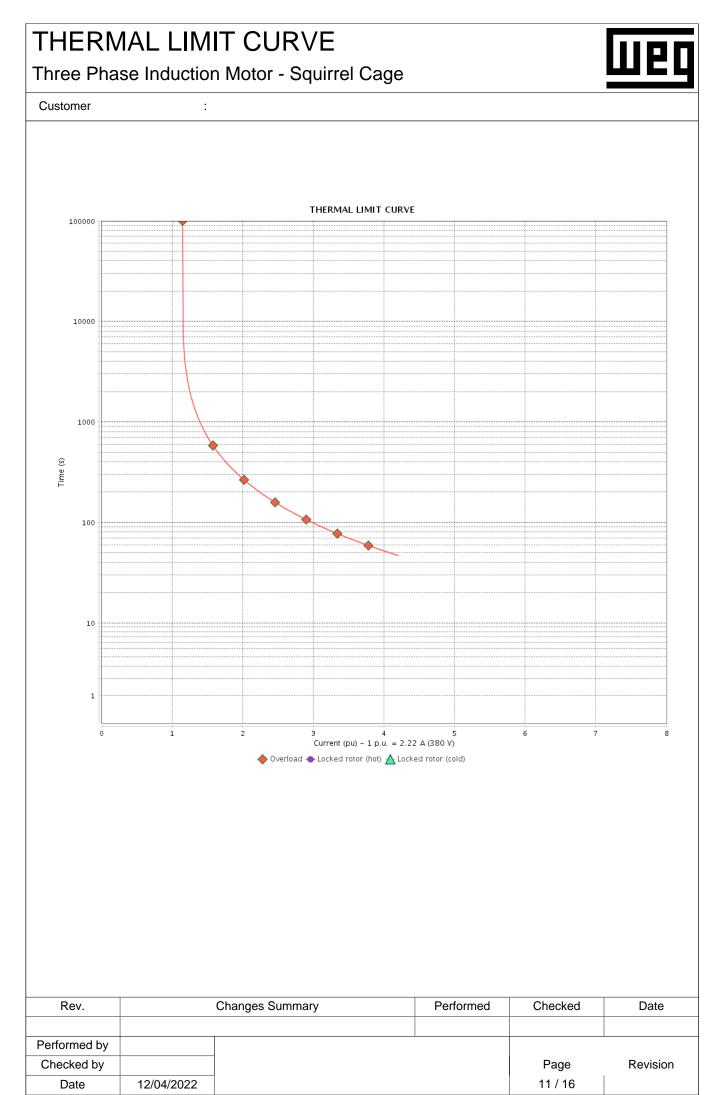


Customer

Product line		JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	14807501 00156ET3E	143JM-S
Performance		90/380 V 50 Hz 2P	Manager	f :	. 0 1000	11-
Rated current LRC	: 4.	44/2.22 A 2	Duty cycle	f inertia (J)	: 0.1023 sq.ft. : Cont.(S1)	D
Rated torque	: 2.	72 ft.lb	Insulation	class	: F	
Locked rotor toro		90 %	Service fa		: 1.15	
Breakdown torqu Rated speed		30 % 395 rpm	Temperatu Design	life fise	: 80 K : B	
		•	- 0			
Heating constan Cooling constan						
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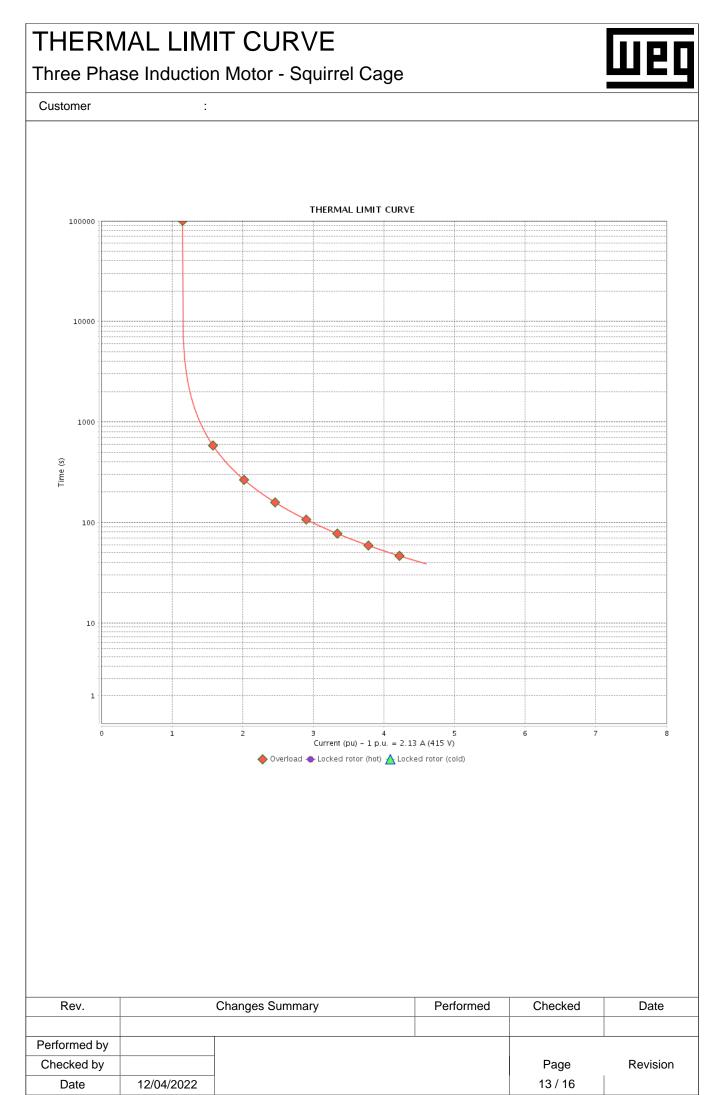


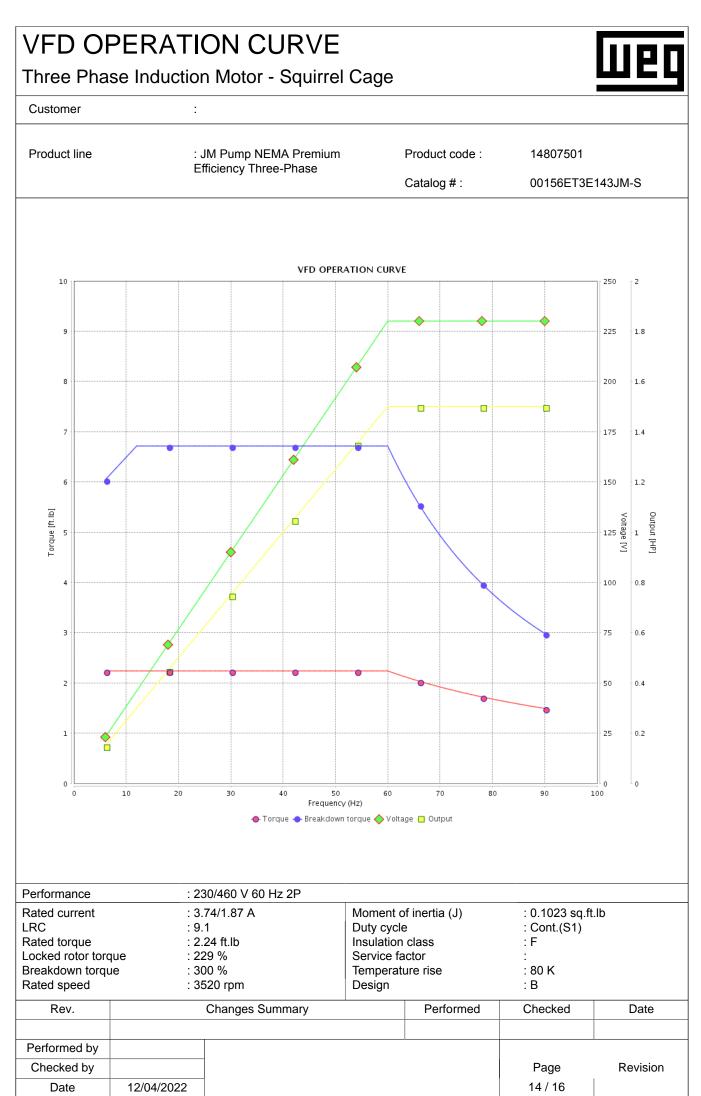
Customer

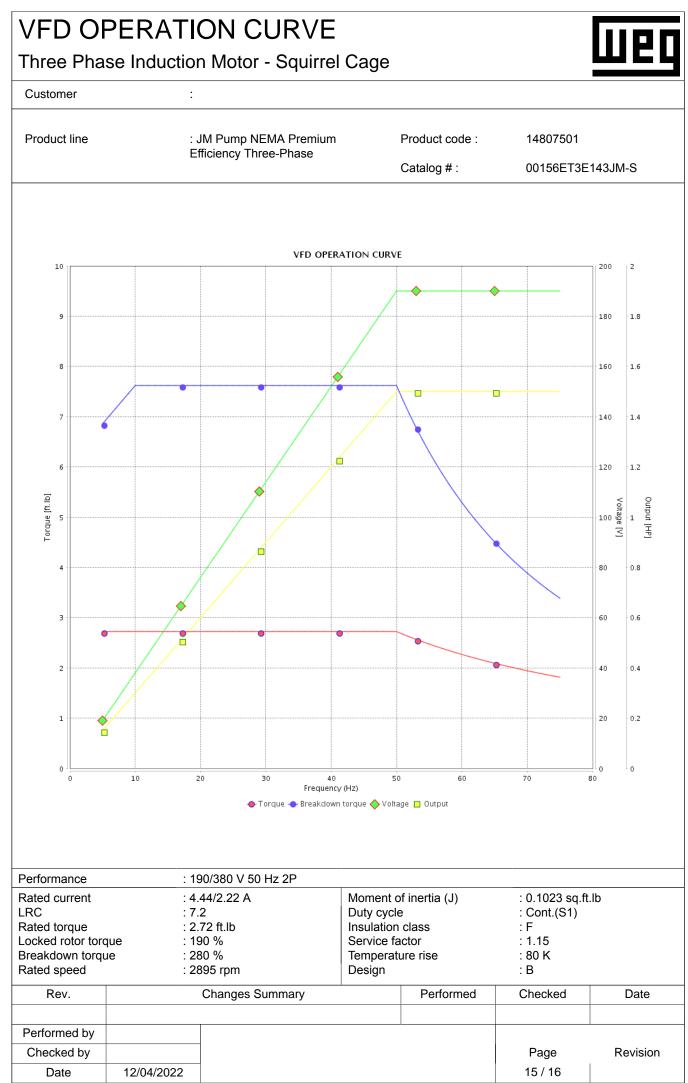
Product line	: . F'	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14807501	
	_			Catalog # :	00156ET3E ²	I43JM-S
Performance		20/415 V 50 Hz 2P				
Rated current LRC	: 8.	.02/2.13 A .0 .71 ft.lb	Moment of Duty cycle Insulation		: 0.1023 sq.ft. : Cont.(S1) : F	lb
Rated torque Locked rotor torc		20 %	Service fa		.г : 1.15	
Breakdown torqu		10 %	Temperat		: 80 K	
Rated speed	: 29	905 rpm	Design		: B	
Heating constant						
Cooling constant	<u> </u>					
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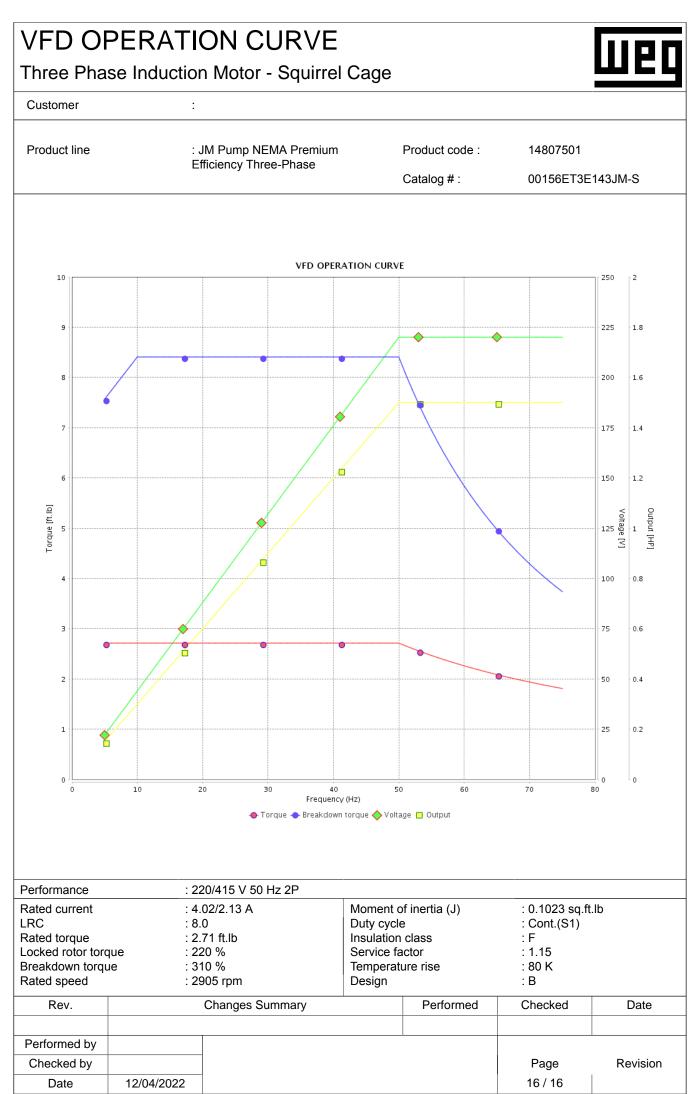
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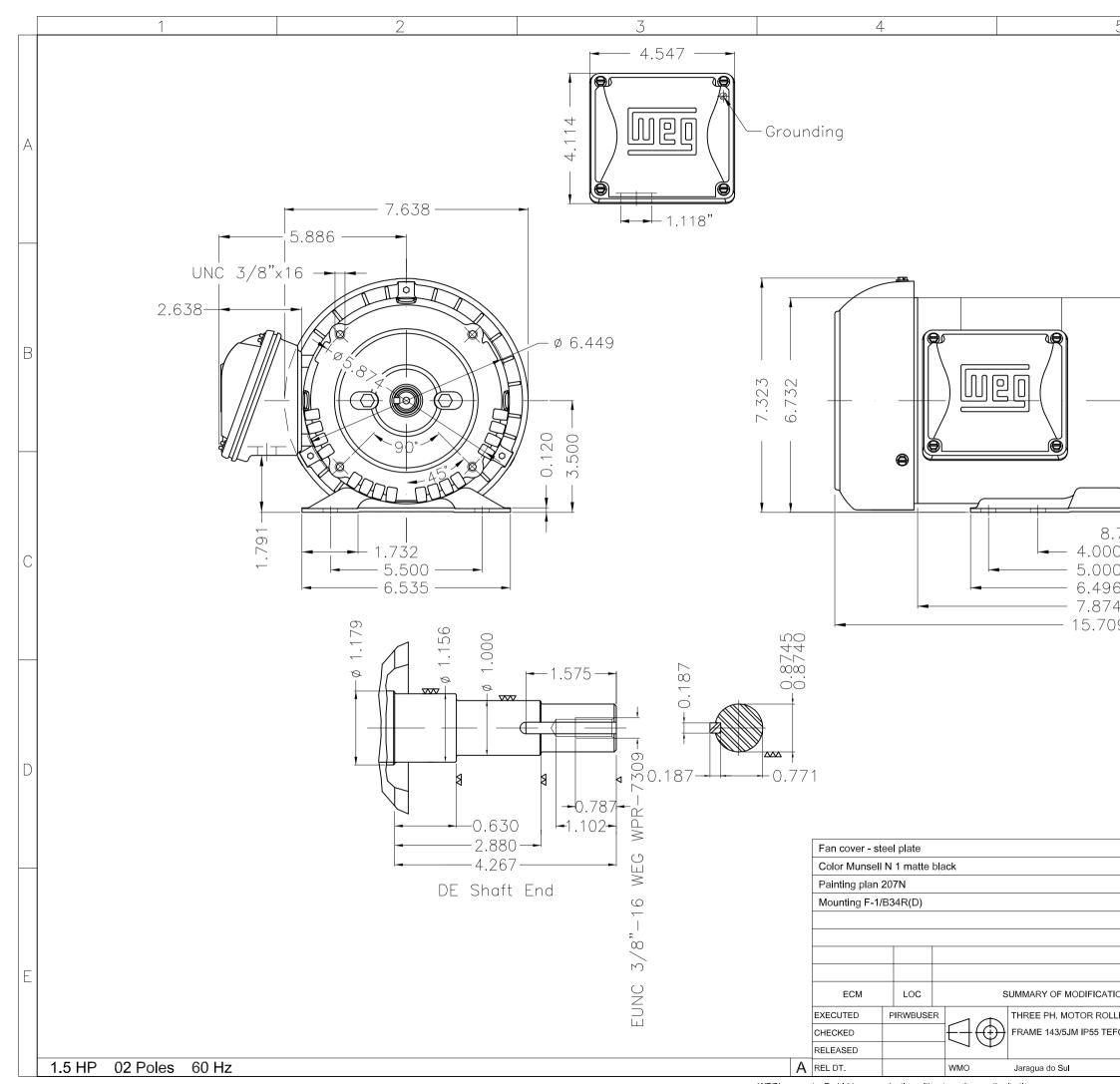




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					Dimensions in inches
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LED STEEL CLOSE (° JPREV			
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Product	Engineering	SHEET	1 / 1		XME

COUSTED COUSTED COUSTED COUSTER	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, Gr. A.B.G.D - T3 DN 2 Inverter Duty (5F1.00) CT 2:1VT 1000:1	11 230/460 230/460 230/460 23/41.87 4 4324.15 115 8 43.0% 8 520 8 43.0% 8 15.0 190-220/380-419V 8 11.0 190-220/380-419V 8 11.0 190-220/380-419V 190-220/380-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-419V 190-220/380-410-419V 190-220/380-410-419V 190-220/380-410-419V 190-220/380-410-419V 190-220/380-410-419V 190-220/380-410-419V 190-220/380-410-419V 190-220/380-410-410-410-419V 190-220/380-410-410-410-410-410-410-410-410-410-41	EASE THE ROYATION Experiment and the second and the with local and the second and the second and the second and the second and the machine.
	MADE N BRAZIL MAT: 14807501 CC029A WO'I.TEOICOXON ODELOIOSET3E143JM-S O2MARZ022 BIN:	FPH 3 Hz B0 HP 15 15 PH 3 Hz B0 HP 15 5 441.87 DUTY CONT. 000 m.a.s.i FS 3.244.60 X 3.244.87 X 3.244.87 ALT 1000 m.a.s.i FS 4.3.22.15 SA 3.244.87 X 3.244.87 X 3.244.87 ALT 1000 m.a.s.i FS 5 FA 3.22.15 SA 3.244.187 X 3.244.187 ALT 1000 m.a.s.i FS 5 FA 3.22.15 SA 3.244.187 X 3.244.187 ALTERNATE ATING: LEFC CODE L RPM 352.0 RS044.143 N RMA VISABLE @ 208V 4.14A NM ERA RAM 3.202.222.000 RAM 3.200.222.000 RAM 4.000.177.10.161 F1.15 ALTERNATE RATING: 1.4H 5 F0 F1.4 F3.66 F1.14.1 F3.16 Constact any moder For BRU use on VEWM 1000.177.10.161 F1.84.07 F3.66 F1.16 F3.66 F4.15 Constact and Moder For BRU use on VEWM 1000.177.10.161 F3.66 F4.16 F3.66 F4.16 F4.16 F3.66 F4.16 Constact and Moder For BRU use on VEWM 1000.177.10.161 <th>INTERCAMAGE ANY TWO LIVE WRESS TO EXPERIE THE ROTATION INTERCAMAGE ANY TWO LIVE WRESS TO EXPERIE THE ROTATION WARNING. More marked promoted th accordance with local and datalonal electrical codes to prever earloar set with a local ANY CONTRACT Provide a set of the according to the according conformation are accorded electrique frame transformation and dynker tout above electrique grave. Decommercient 1 alimentation areant formedies de la macilito</th>	INTERCAMAGE ANY TWO LIVE WRESS TO EXPERIE THE ROTATION INTERCAMAGE ANY TWO LIVE WRESS TO EXPERIE THE ROTATION WARNING. More marked promoted th accordance with local and datalonal electrical codes to prever earloar set with a local ANY CONTRACT Provide a set of the according to the according conformation are accorded electrique frame transformation and dynker tout above electrique grave. Decommercient 1 alimentation areant formedies de la macilito