DATA SHEET

Three Phase Induction Motor - Squirrel Cage

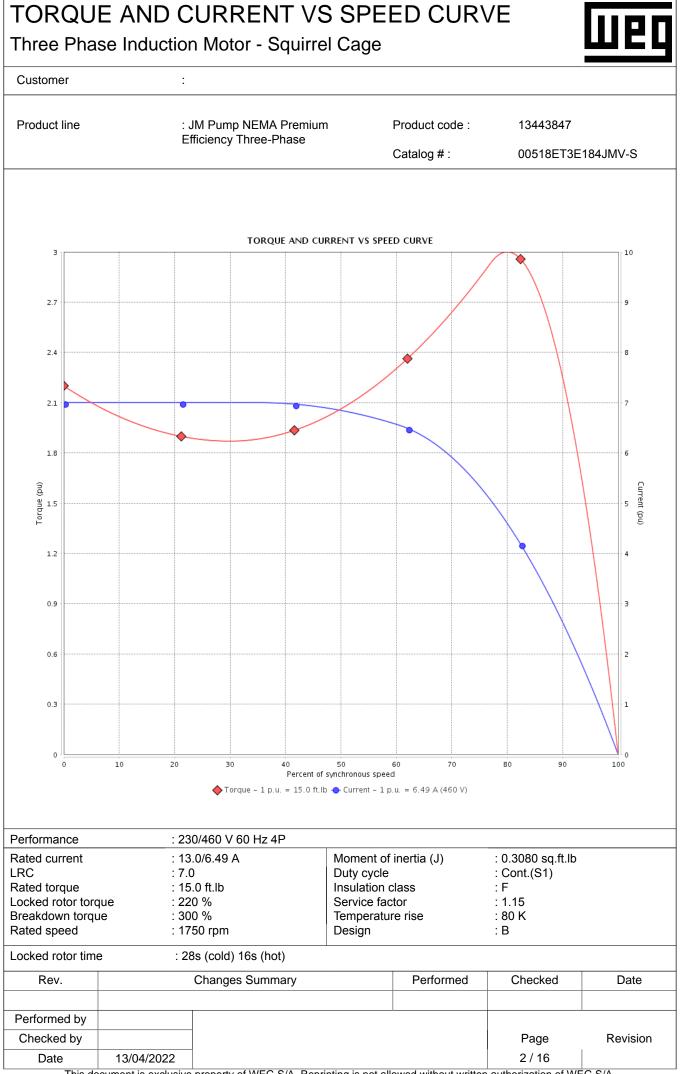
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Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :		13443847	
				Catalog # :	00518ET3E	184JMV-S	
Frame		: 182/4JM	Cooling	method	: IC411 - TE	FC	
Insulation class		: F	Mountin		: W-6	-	
Duty cycle		: Cont.(S1)	Rotation		: Both (CW	and CCW)	
Ambient tempera	ature	: -20°C to +40°C	Starting		: Direct On I		
Altitude		: 1000 m.a.s.l.	Approx.		: 82.6 lb		
Protection degre	e	: IP55		of inertia (J)	: 0.3080 sq.	ft.lb	
Design	-	: B					
Output [HP]		5		5		5	
Poles		4		4		4	
Frequency [Hz]		60		50		50	
Rated voltage [V]		230/460		190/380	22	220/415	
Rated current [A]		13.0/6.49		15.8/7.88	14	.3/7.59	
. R. Amperes [A]		90.9/45.4		91.4/45.7		.6/48.6	
_RC [A]		7.0x(Code J)	5	.8x(Code G)		(Code H)	
No load current [A	1	6.89/3.44		6.74/3.37		0/3.77	
Rated speed [RPN		1750		1425		1435	
Slip [%]	1	2.78		5.00		4.33	
Rated torque [ft.lb]	1	15.0		18.4		18.3	
Locked rotor torqu		220		170		200	
Breakdown torque		300		229		200	
Service factor	; [/o]	1.15		1.00		1.00	
		80 K		105 K		05 K	
Temperature rise							
Locked rotor time		28s (cold) 16s (hot)		(cold) 0s (hot)		d) 0s (hot)	
Noise level ²		56.0 dB(A)		53.0 dB(A)		0 dB(A)	
Efficiency (%)	25%	88.2		89.7		88.2	
	50%	88.5		87.9		87.2	
	75%	89.5		87.2		87.3	
	100%	89.5		84.9		85.8	
	25%	0.35		0.42		0.37	
Power Factor	50%	0.60		0.68		0.63	
	75%	0.73		0.80		0.76	
	100%	0.80	0.80 0.84			0.82	
		Drive end Non drive en	nd Foundati	on loads			
Bearing type		: 6207 ZZ 6205 ZZ	Max trac	Max. traction			
Sealing		: V'Ring V'Ring		npression	: 263 lb : 345 lb		
Lubrication interv	val	:					
Lubricant amoun							
Lubricant type		: Mobil Polyrex EM					
Notes USABLE @208V	14.4A SF 1.	00 SFA 14.4A					
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	ed. lotor from the Im and with t weight subjec	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after			based on tests wi ne tolerances stipu		
manufacturing pro (4) At 100% of ful							
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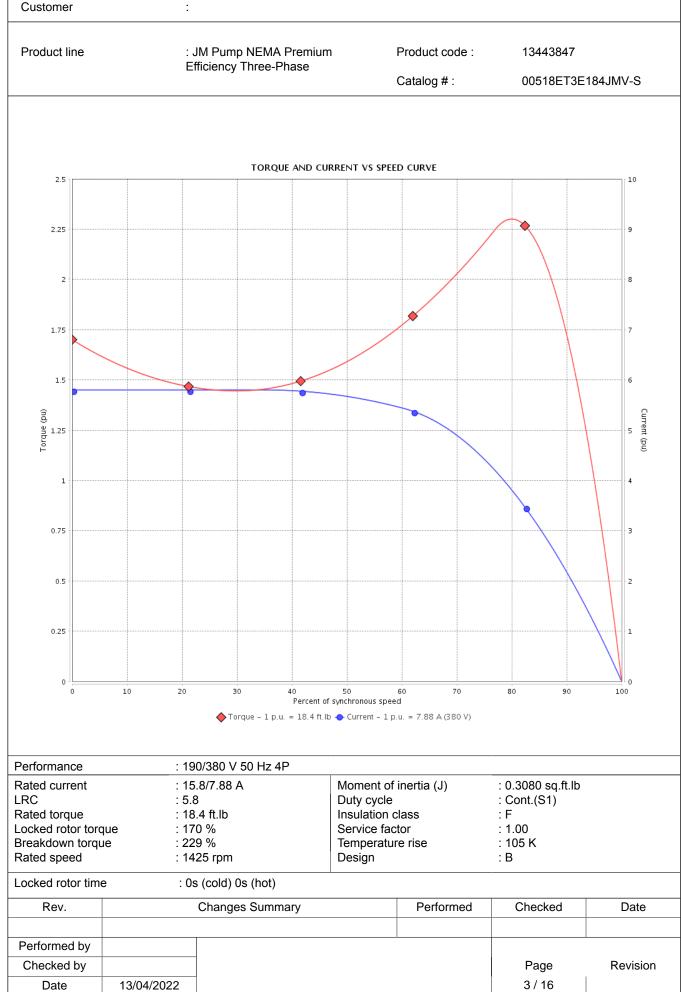
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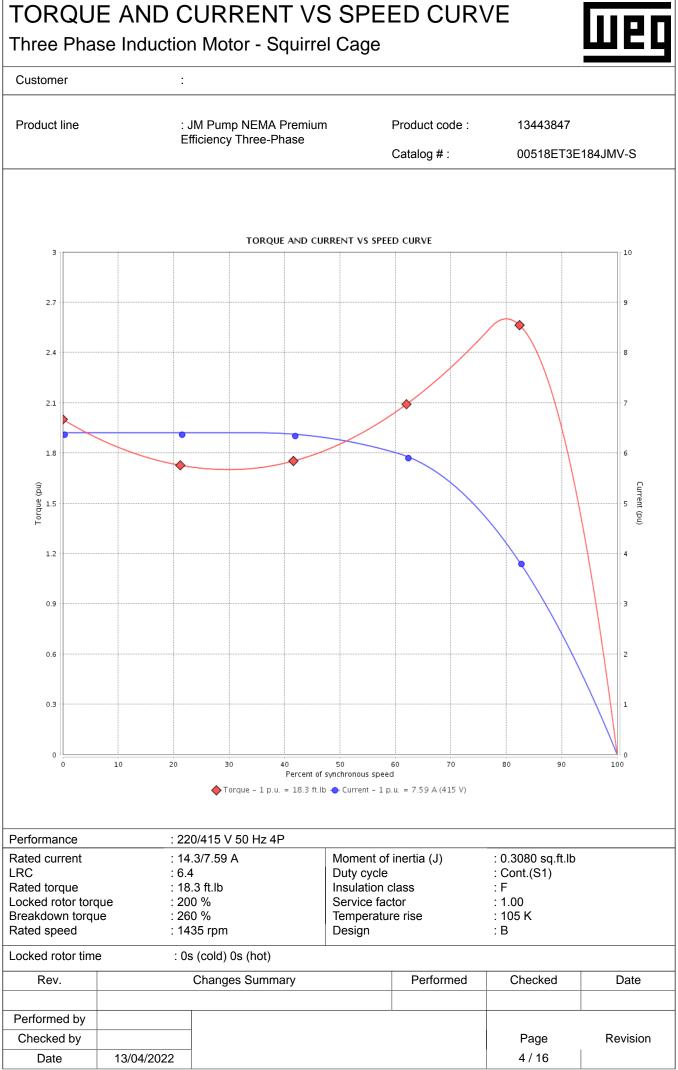
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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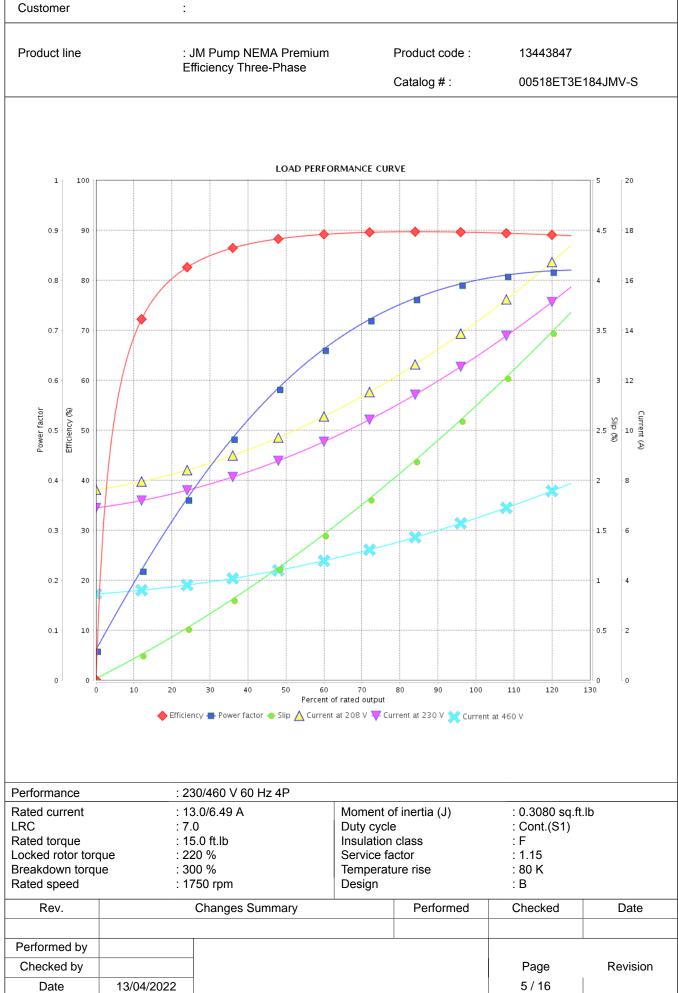


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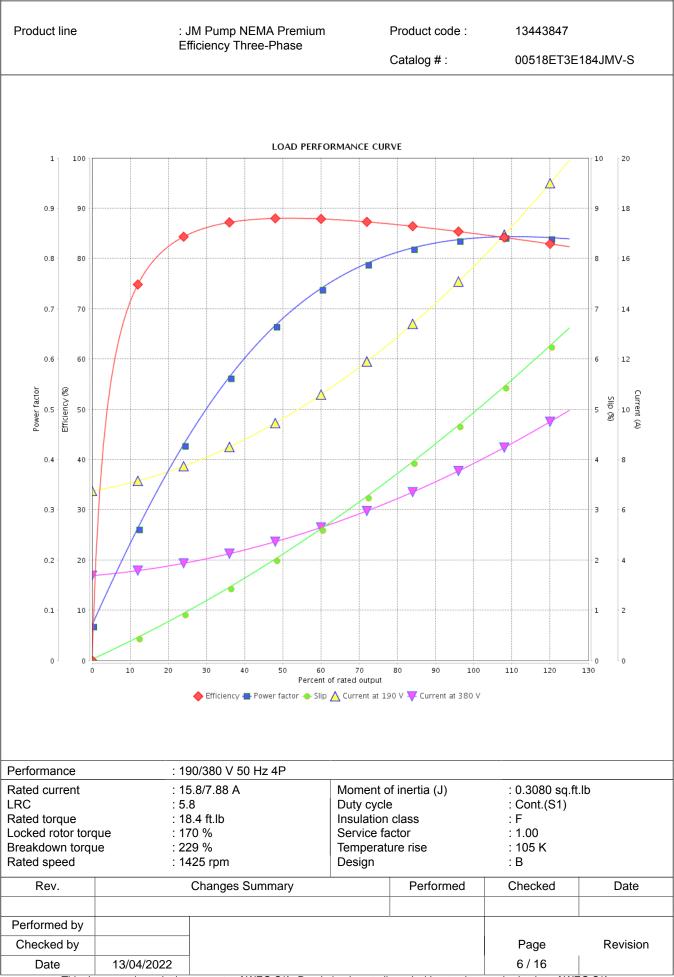
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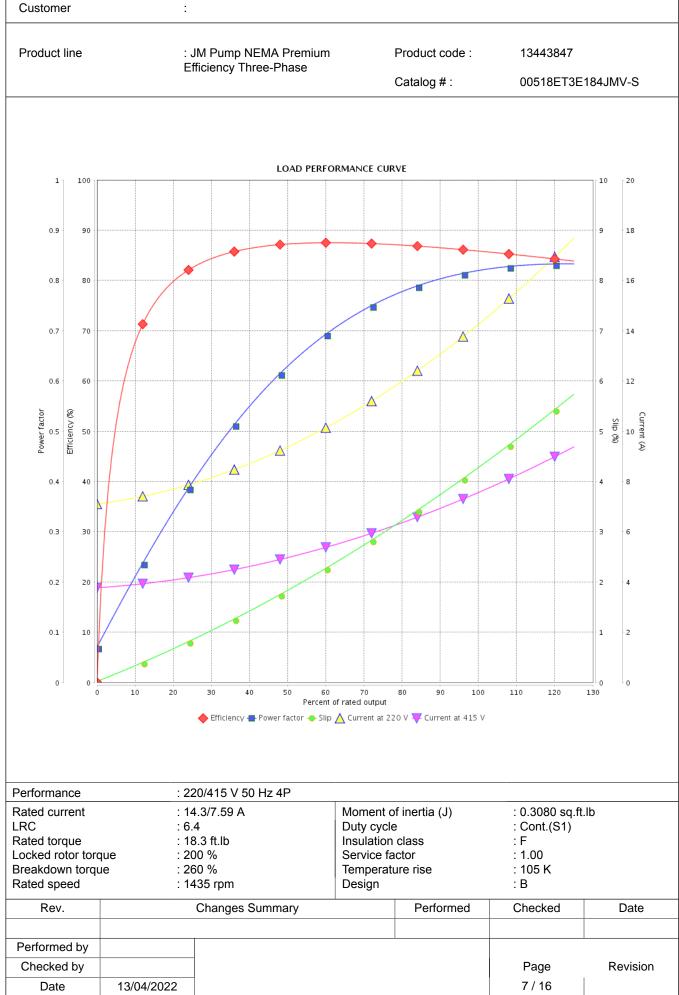
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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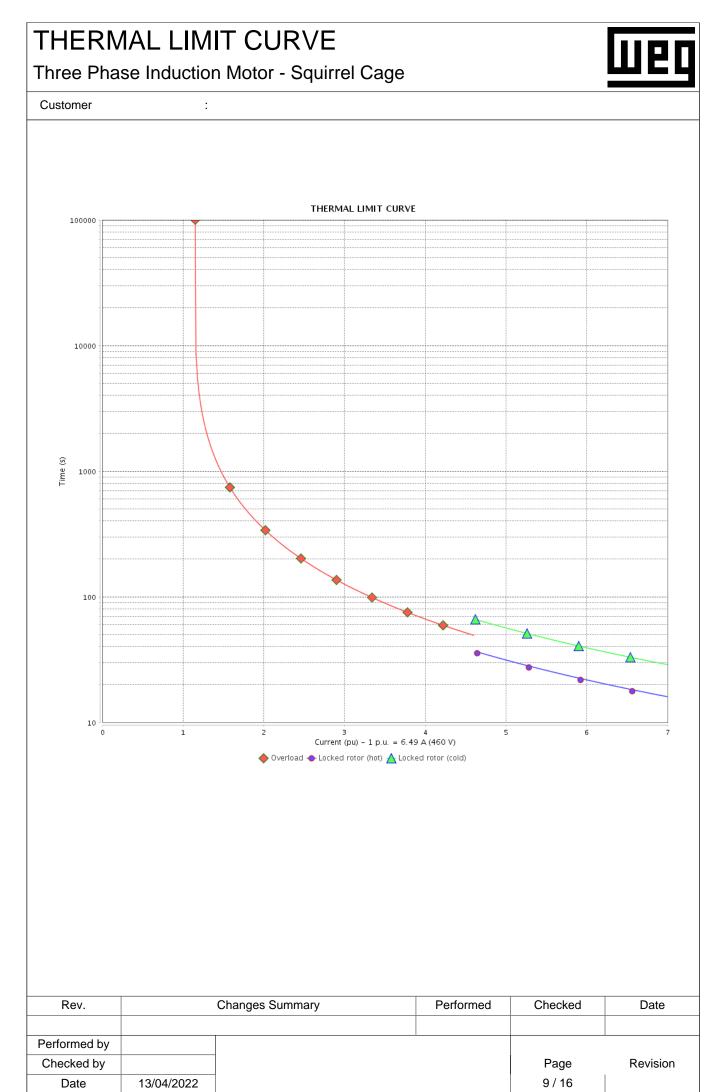


Customer

Product line : JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :		13443847 00518ET3E184JMV-S		
Performance		30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 1! jue : 22 ie : 30	3.0/6.49 A 0 5.0 ft.lb 20 % 00 % 750 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ictor	: 0.3080 sq.ft.l : Cont.(S1) : F : 1.15 : 80 K : B	b
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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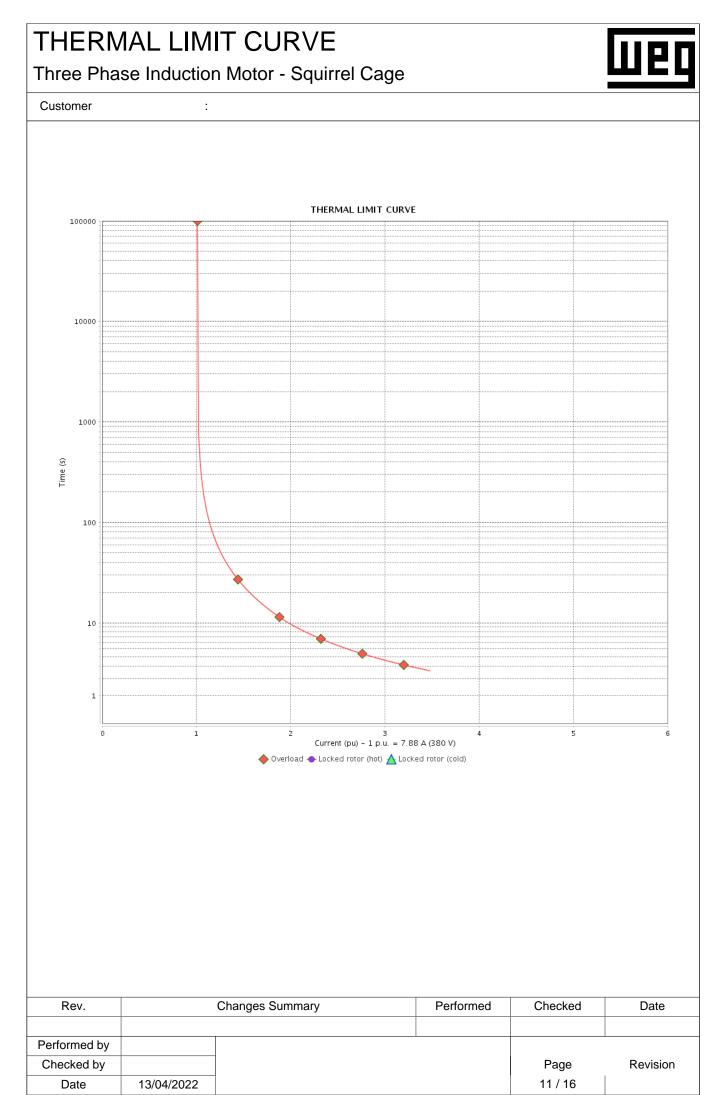


Customer

Product line : JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :		13443847 00518ET3E184JMV-S		
Datformanoo						
Performance		90/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 5. : 18 jue : 17 ie : 22	5.8/7.88 A 8 3.4 ft.lb 70 % 29 % 425 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.3080 sq.ft : Cont.(S1) : F : 1.00 : 105 K : B	lb
Heating constant	•					
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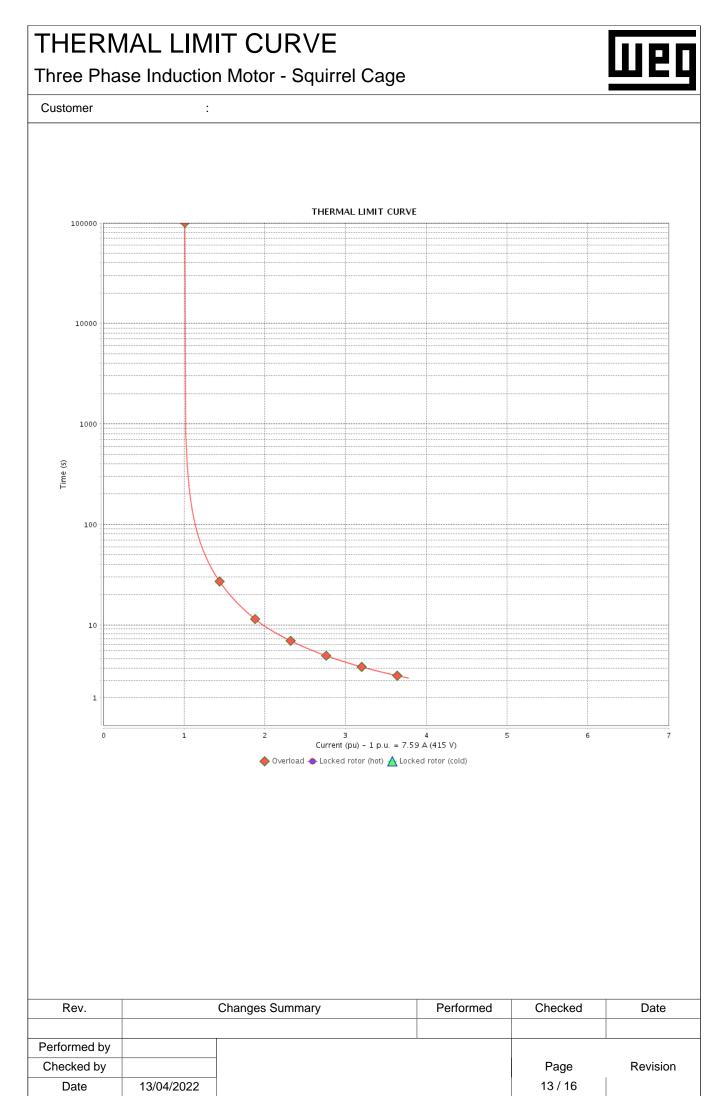


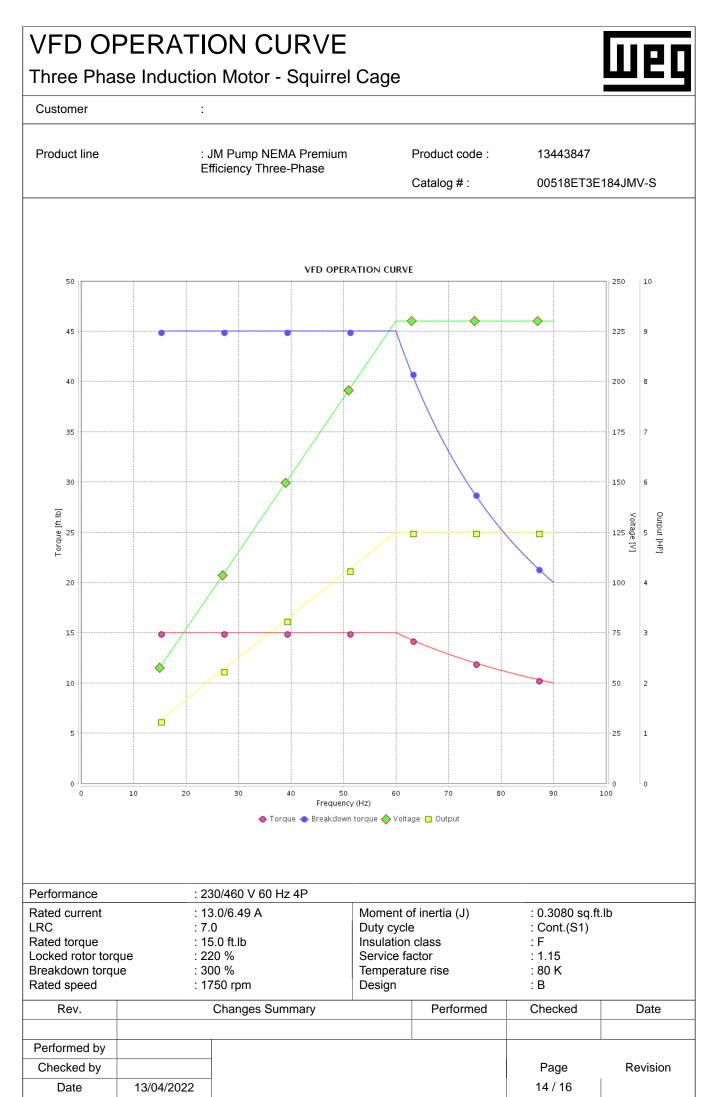
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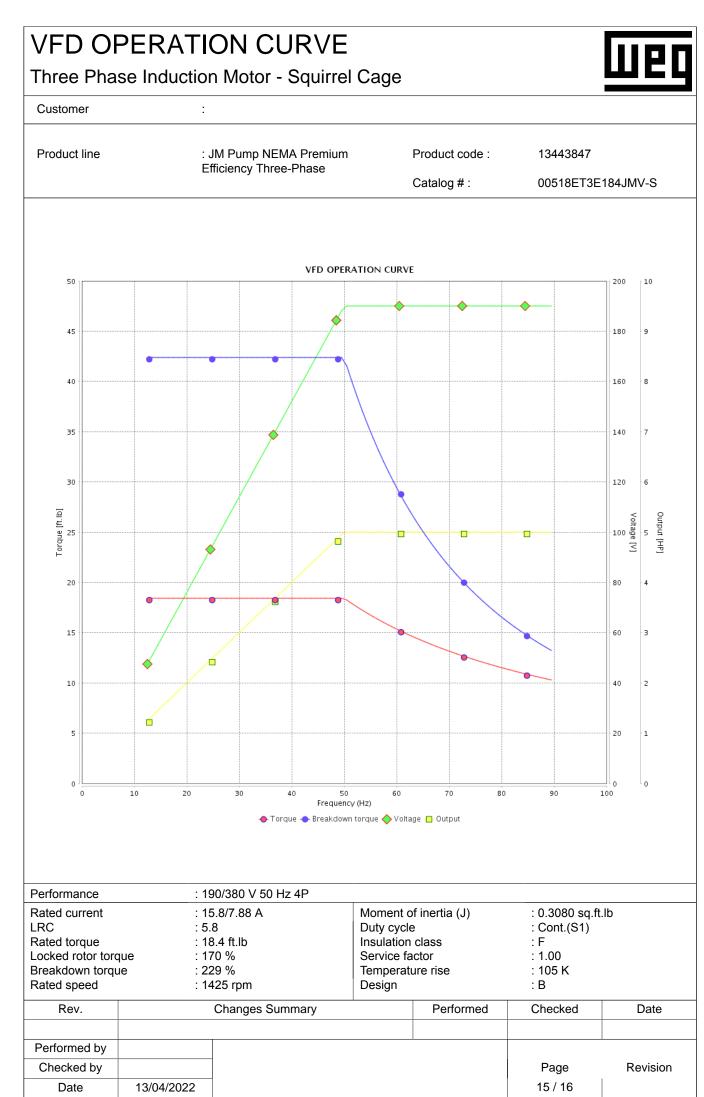
Product line : JM Pump NEMA Premium Efficiency Three-Phase			Product code : Catalog # :	13443847 00518ET3E184JMV-S		
Performance	: 22	20/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 14 : 6. : 18 jue : 20 ie : 26	1.3/7.59 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.3080 sq.ft : Cont.(S1) : F : 1.00 : 105 K : B	lb
Heating constant	+					
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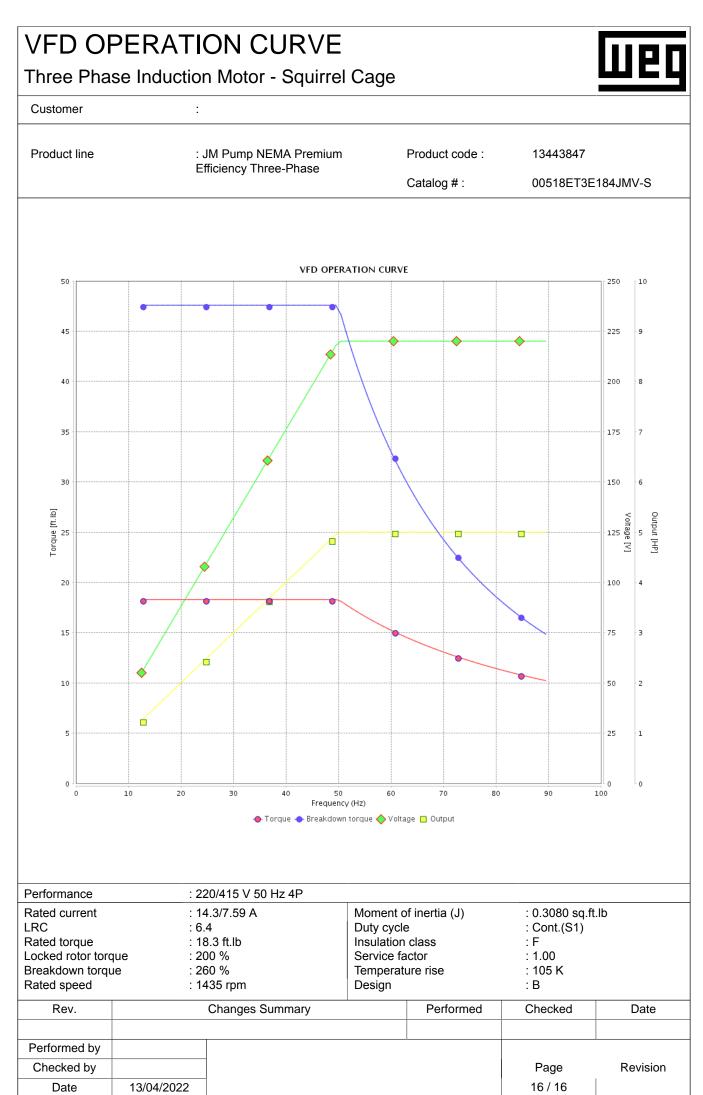
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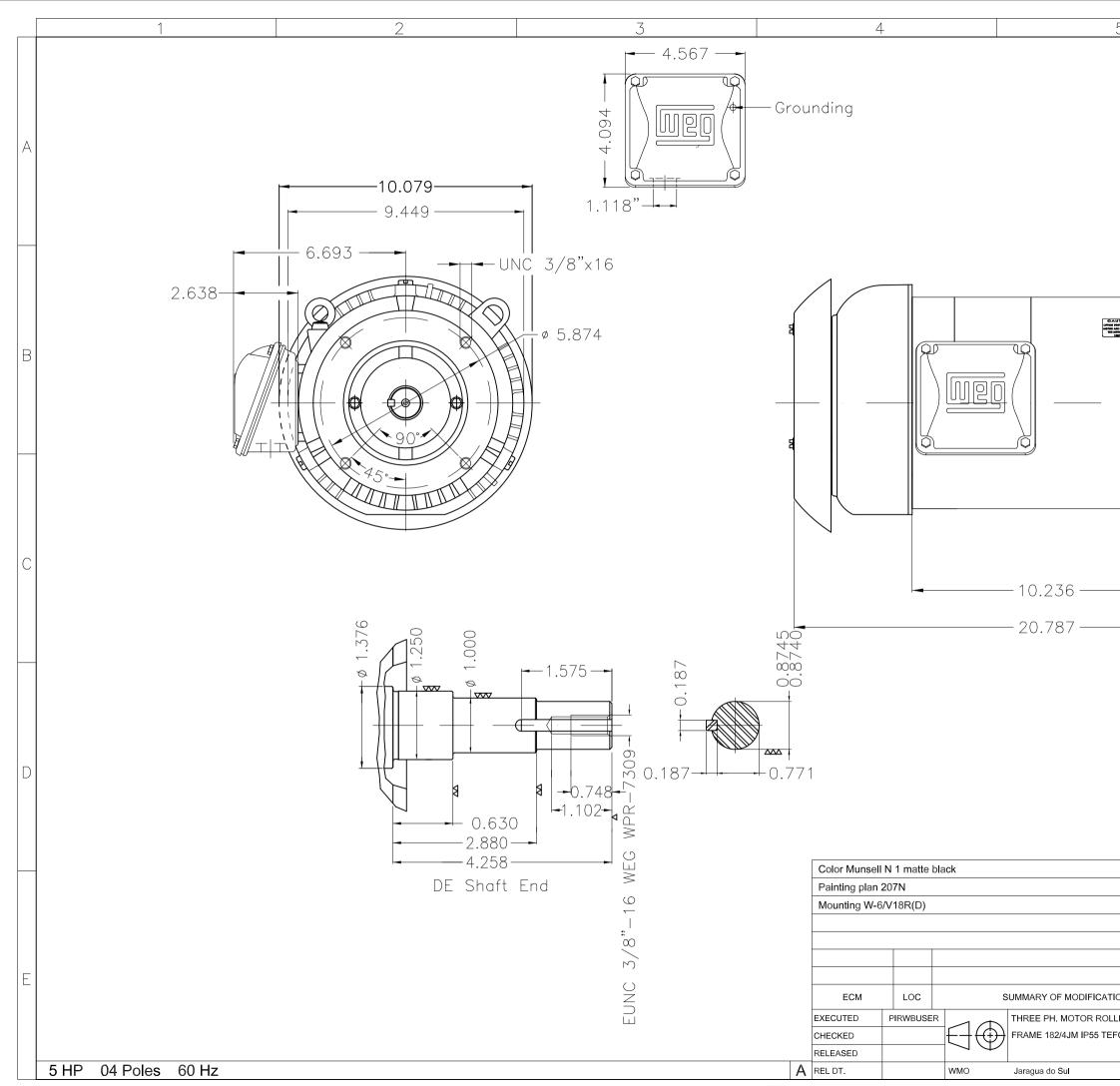
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