DATA SHEET

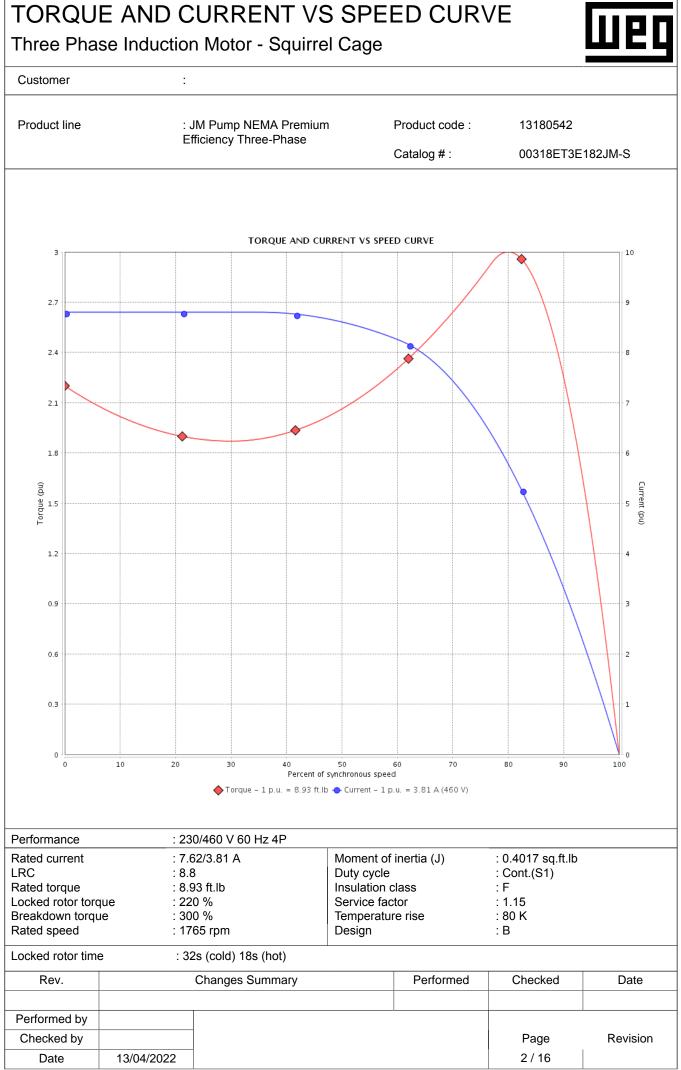
Three Phase Induction Motor - Squirrel Cage

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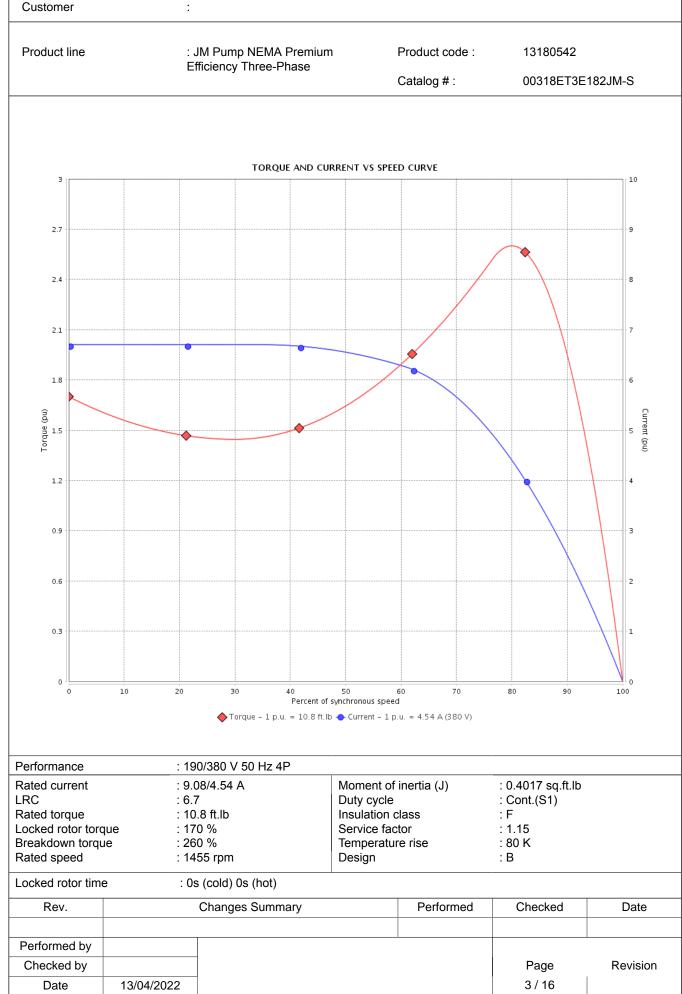
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13180542	13180542 00318ET3E182JM-S	
				Catalog # :	00318ET3E182JM-S		
Frame		: 182/4JM		Cooling method	: IC411 - TEFC		
Insulation class		: F		Mounting	: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹	: Both (CW and CCW))	
Ambient tempera	ature	: -20°C to +40	°C	Starting method	: Direct On Line		
Altitude		: 1000 m.a.s.l.	•	Approx. weight ³	: 91.1 lb		
Protection degre	۵	: IP55		Moment of inertia (J)	: 0.4017 sq.ft.lb		
Design	C	: B		woment of mertia (5)	. 0.4017 34.11.10		
Output [HP]		3		3	3		
Poles		4		4	4		
Frequency [Hz]		60)	50	50		
Rated voltage [V]		230/		190/380	220/415		
		7.62/		9.08/4.54	8.30/4.40		
Rated current [A]							
L. R. Amperes [A]		67.1/		60.8/30.4	62.3/33.0		
_RC [A]		8.8x(Co		6.7x(Code H)	7.5x(Code J)		
No load current [A		4.00/		3.95/1.97	3.99/2.11		
Rated speed [RPN	Л]	176	65	1455	1460		
Slip [%]		1.9		3.00	2.67		
Rated torque [ft.lb]	1	8.9		10.8	10.8		
Locked rotor torqu		22		170	200	1	
Breakdown torque		30		260	200		
Service factor	[/0]						
		1.1		1.15	1.15		
Temperature rise		80		80 K	80 K		
Locked rotor time		32s (cold)		0s (cold) 0s (hot)	0s (cold) 0s (hot))	
Noise level ²		56.0 c	IB(A)	53.0 dB(A)	53.0 dB(A)		
	25%	86.4		88.2	87.8		
	50%	87	.5	87.5	87.2		
Efficiency (%)	75%	88.5		87.7	87.9		
	100%	89.5		86.7	87.0		
	25%	0.36		0.42	0.39		
Power Factor	50%	0.61 0.74		0.68	0.65		
	75%			0.79	0.77		
	100%	3.0	31	0.85	0.83		
		Drive end	Non drive end	Foundation loads			
Bearing type		: 6207 ZZ	6205 ZZ	Max. traction	: 154 lb		
Sealing		: V'Ring	Without	Max. compression	: 245 lb		
-		5	Bearing Seal				
Lubrication interv	/al	: -	-				
Lubricant amoun	t	: -	-				
Lubricant type		: Mobil P	olyrex EM				
Notes USABLE @208V	8 434 SF 1	00 SFA 8 434					
UUADEE @200V	0.407 01 1.	00 01 7 0.407					
		ncel the previous	one, which		s based on tests with sinusoid		
This revision repla				power supply, subject to	the tolerances stipulated in NE	EMA	
This revision repla must be eliminate			I				
	ed.	e shaft end.		MG-1.			
must be eliminate (1) Looking the m	ed. lotor from the		s(A).	MG-1.			
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t	olerance of +3dE		MG-1.			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate	ed. lotor from the Im and with t veight subjec	olerance of +3dE		MG-1.			
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	olerance of +3dE		MG-1.			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	olerance of +3dE t to changes afte	r		Checked	0	
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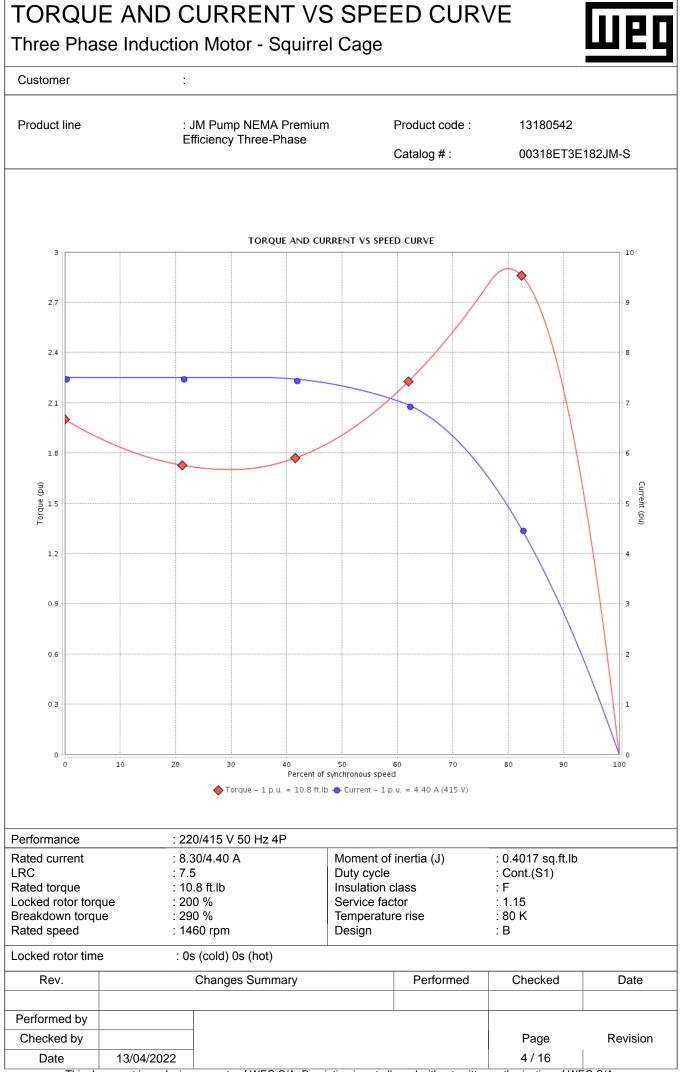
TORQUE AND CURRENT VS SPEED CURVE

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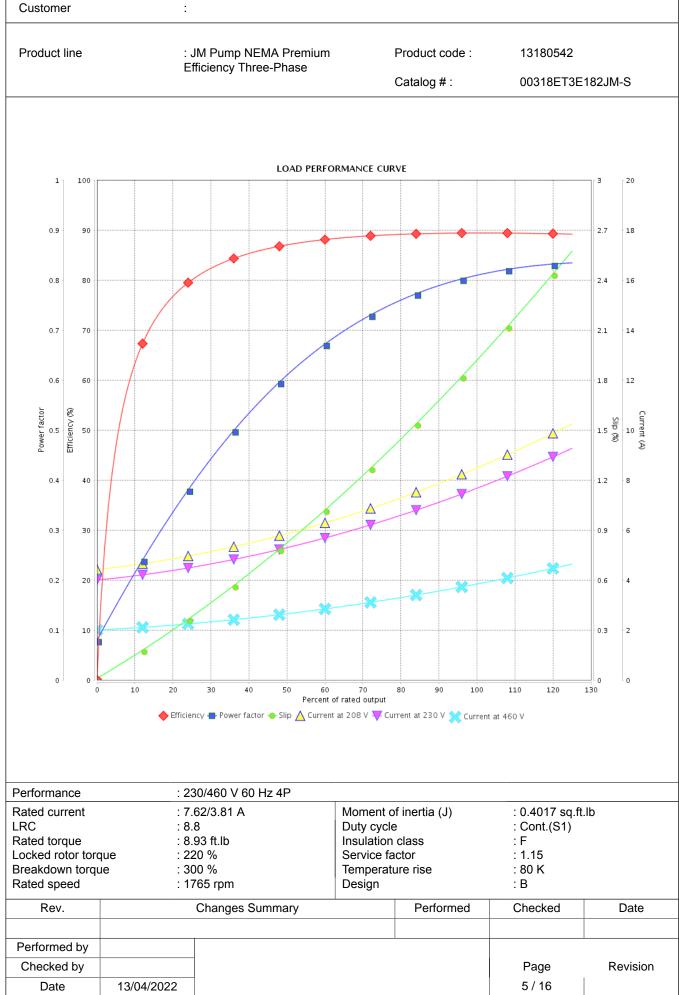
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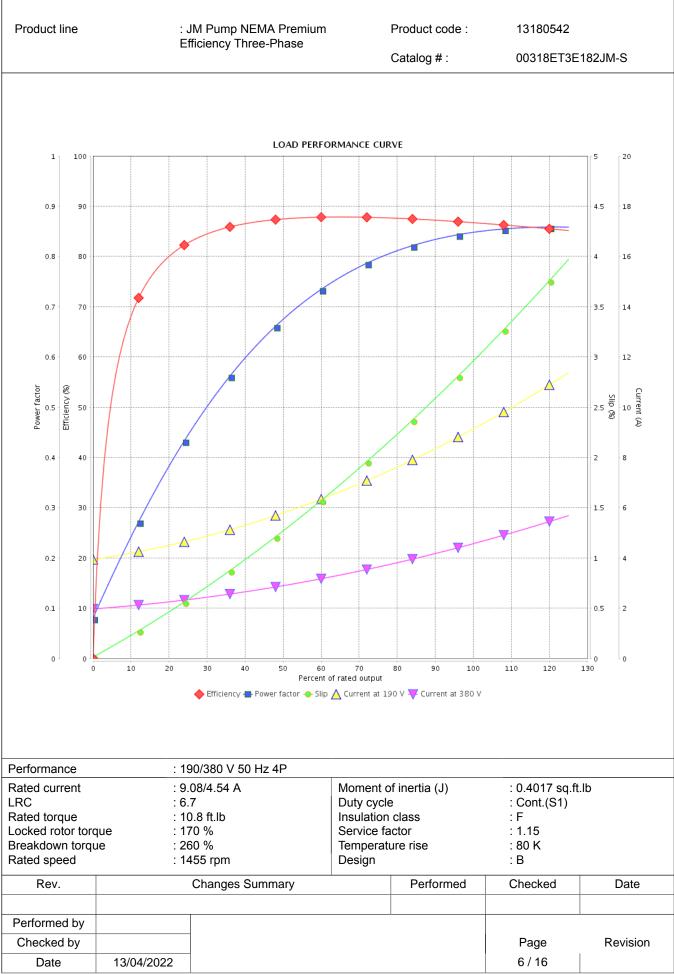
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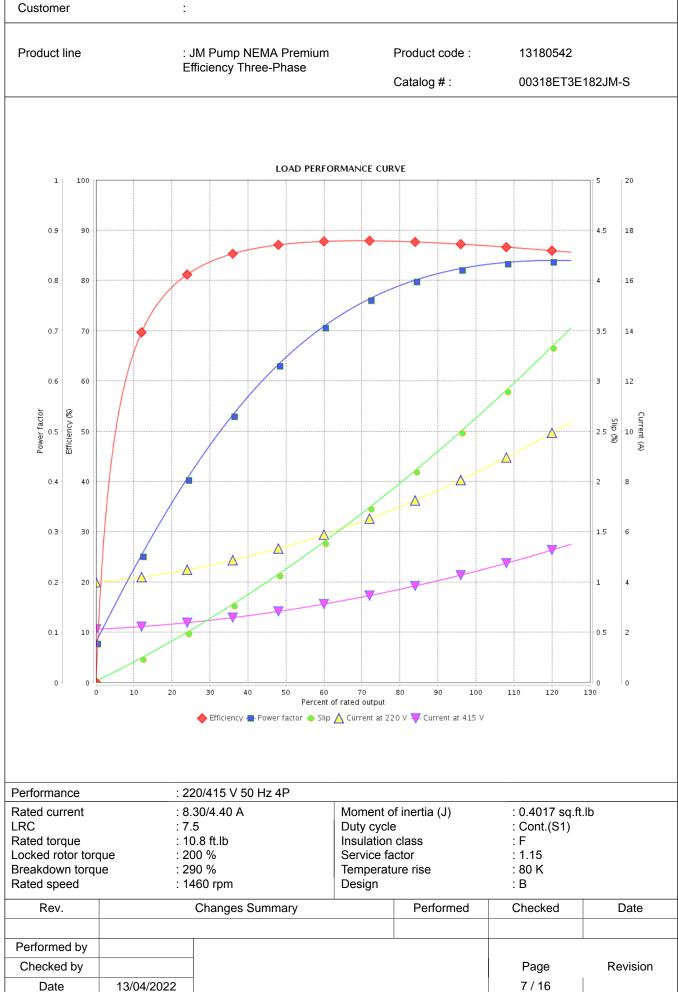
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THERMAL LIMIT CURVE

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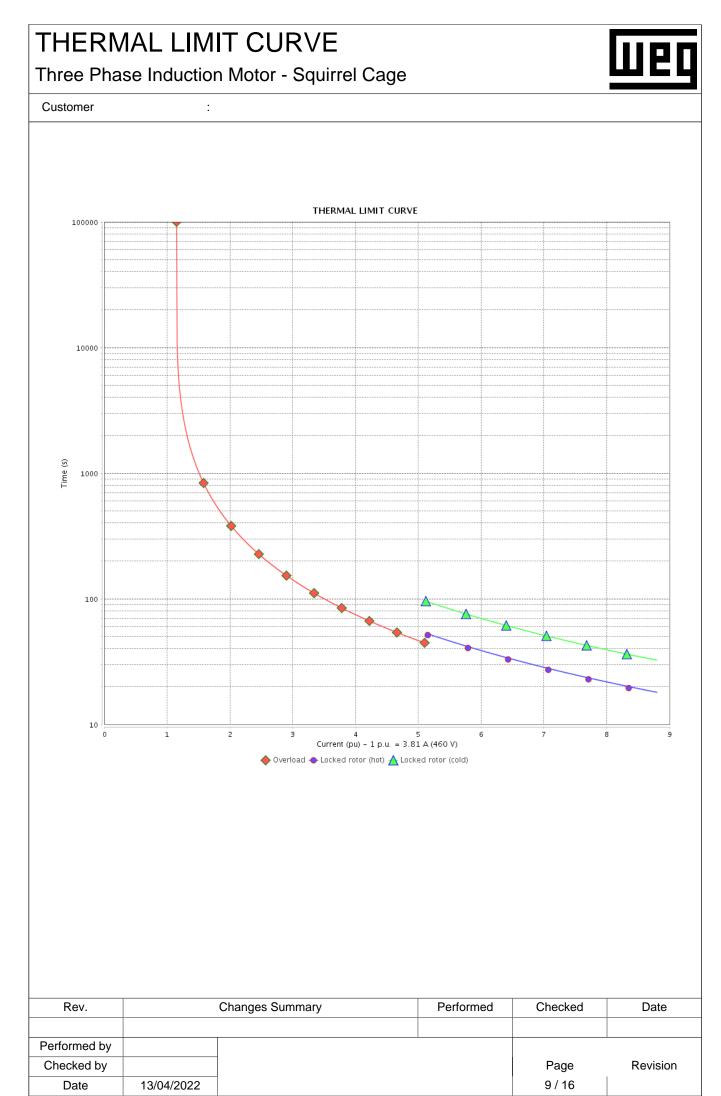


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Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13180542	
	Ľ,	inciency milee-i mase		Catalog # :	00318ET3E	182JM-S
Defermence						
Performance		30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 8. : 8. que : 22 ue : 30	62/3.81 A 8 93 ft.lb 20 % 00 % 765 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.4017 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb
		•	5			
Heating constant						
Cooling constant		Changes Summer		Dorformer	Checked	Detr
Rev.		Changes Summary		Performed	Checked	Date
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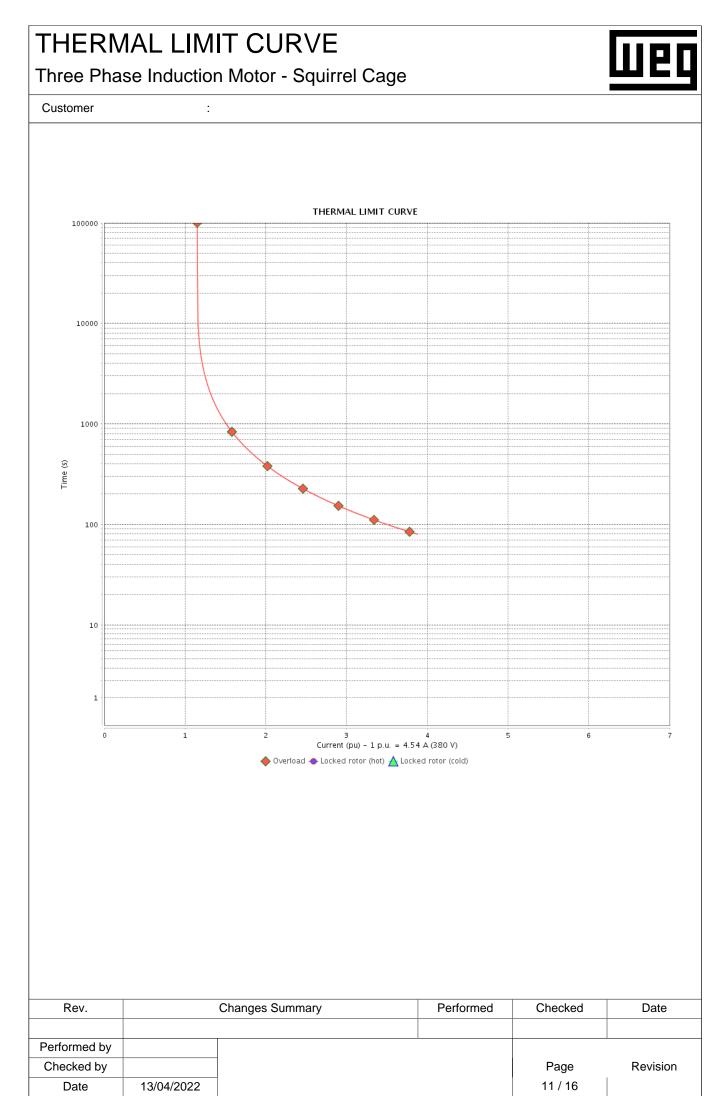


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Product line	: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	13180542 00318ET3E	182.IM-S
			5		
Performance	: 190/380 V 50 Hz 4P				
Rated current	: 9.08/4.54 A	Momento	of inertia (J)	: 0.4017 sq.ft.	lb
LRC	: 6.7	Duty cycle	e	: Cont.(S1)	10
Rated torque	: 10.8 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque	: 170 % : 260 %	Service fa Temperati		: 1.15 : 80 K	
Rated speed	: 1455 rpm	Design		: B	
	•	0			
Heating constant					
Cooling constant					
Cooling constant	Changes Summary		Performed	Checked	Date
Cooling constant Rev.	Changes Summary		Performed	Checked	Date
Rev.	Changes Summary		Performed	Checked	Date
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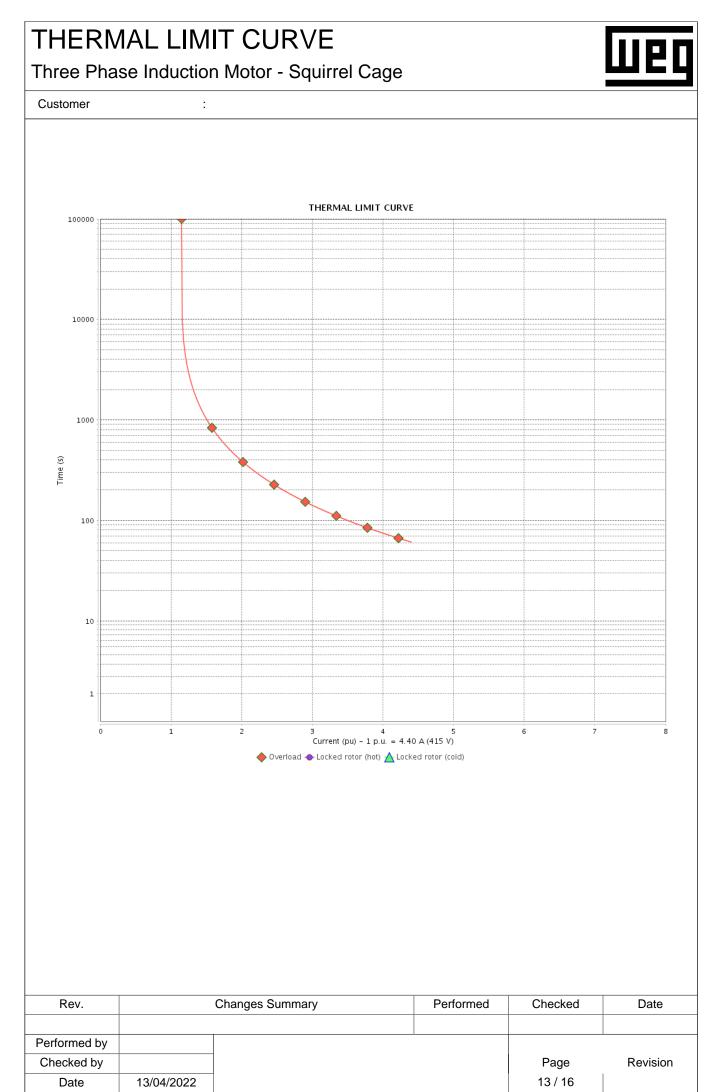


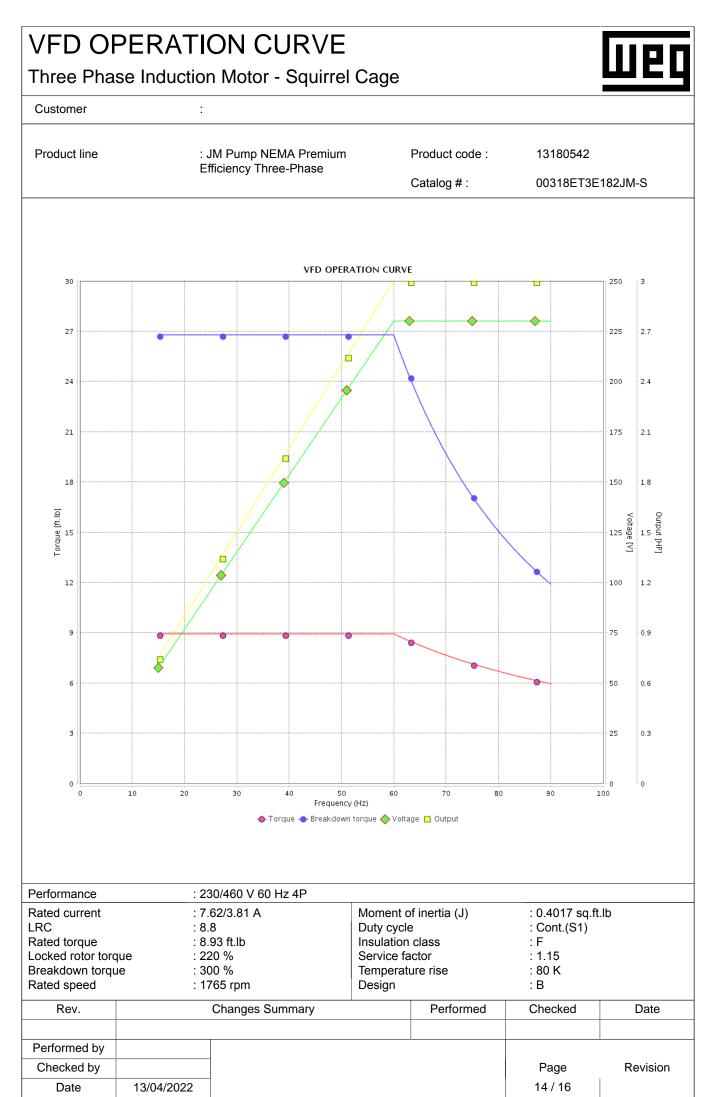
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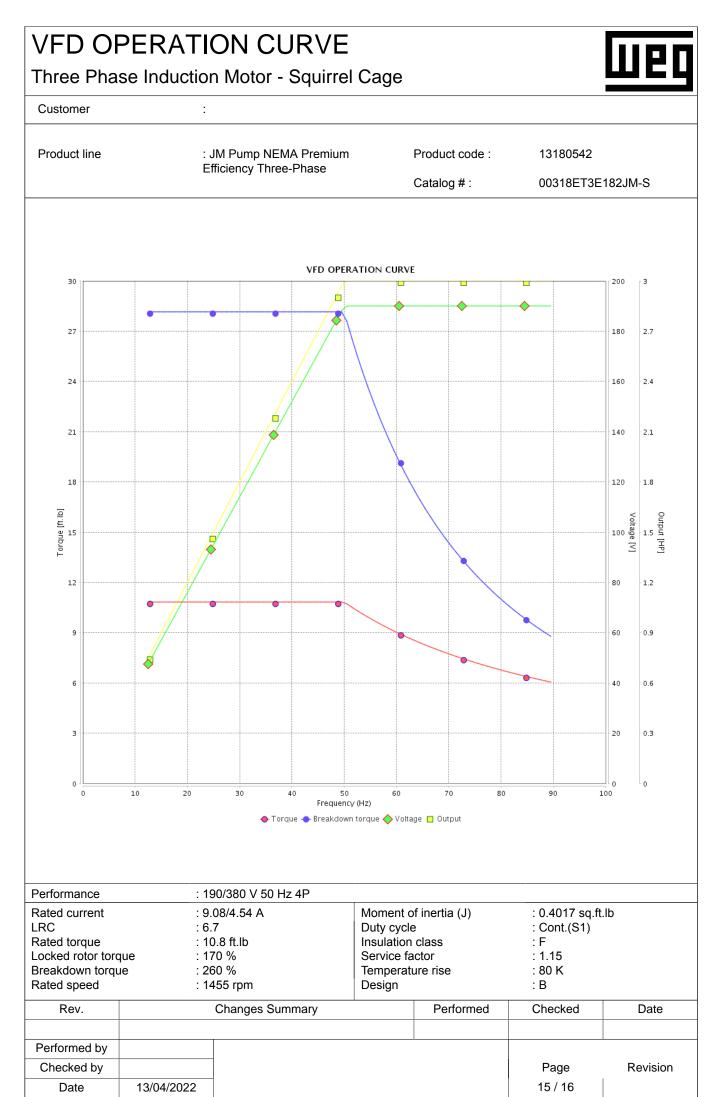
Product line	: JM Pump NEMA Premium			Product code :	13180542	
	Ef	fficiency Three-Phase		Catalog # :	00318ET3E	192 IM S
					000102102	1025101-0
Performance	: 22	20/415 V 50 Hz 4P				
Rated current		.30/4.40 A	Moment o	f inertia (J)	: 0.4017 sq.ft.	lb
LRC Rated torque	: 7.	.5 D.8 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tor		00 %	Service fa		: 1.15	
Breakdown torqu	ie : 29	90 %	Temperati	ure rise	: 80 K	
Rated speed	: 14	460 rpm	Design		: B	
Heating constan	t					
Cooling constant	t					
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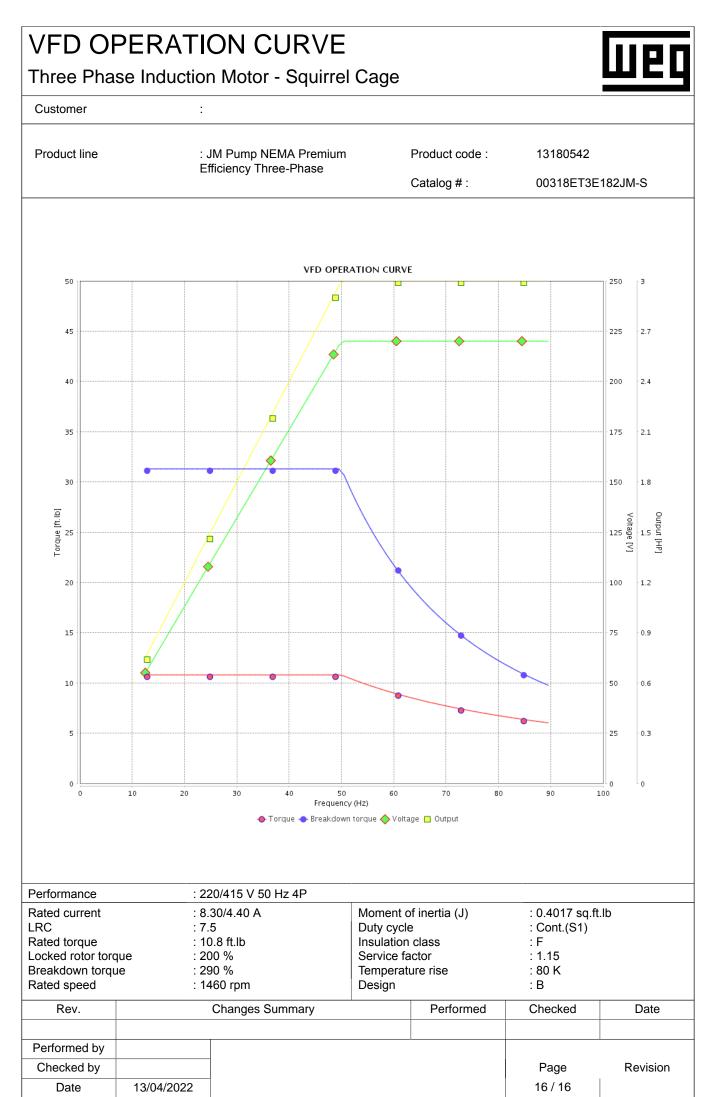
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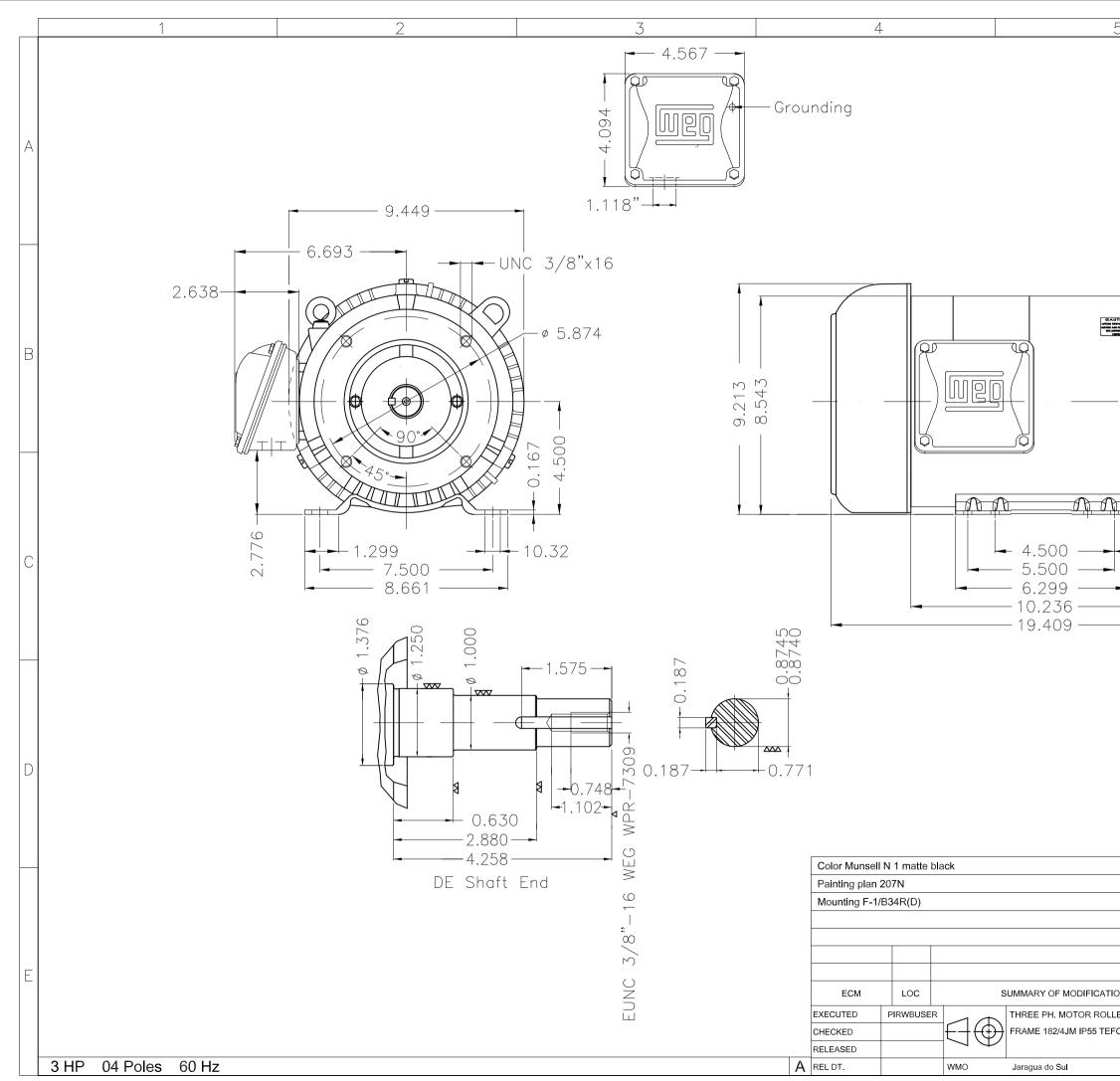
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