DATA SHEET

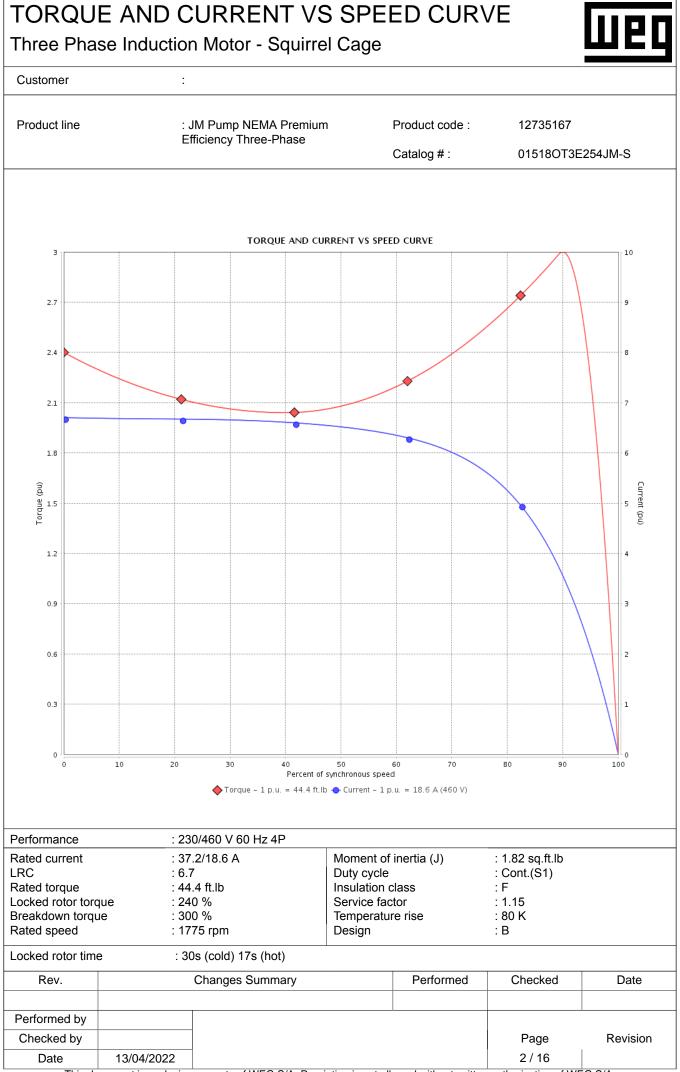
Three Phase Induction Motor - Squirrel Cage

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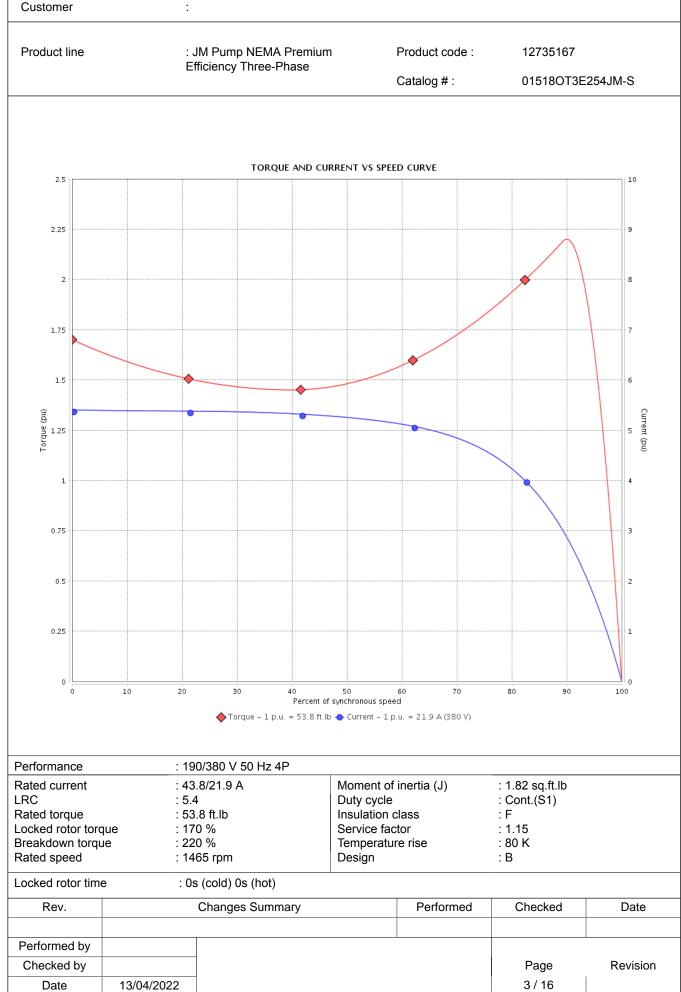
Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	12735167 01518OT3E254JM-S		
	Emclency Three-Phase Catalog # :		Catalog # :			
Frame		: 254/6JM	Cooling method	: IC01 - ODP		
Insulation class		: F	Mounting	: F-1		
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 203 lb		
Design		: B	Moment of inertia (J)	: 1.82 sq.ft.lb		
•				·		
Output [HP]		15	15	15		
oles		4	4	4		
requency [Hz]		60	50	50		
Rated voltage [V]		230/460	190/380	220/415		
Rated current [A]		37.2/18.6	43.8/21.9	40.0/21.2		
. R. Amperes [A]		249/125	237/118	236/125		
RC [A]		6.7x(Code H)	5.4x(Code F)	5.9x(Code G)		
lo load current [A		19.0/9.50	17.3/8.67	18.3/9.68		
ated speed [RPN	/I]	1775	1465	1470		
lip [%]		1.39	2.33	2.00		
Rated torque [ft.lb	1	44.4	53.8	53.6		
ocked rotor torqu		240	170	200		
Breakdown torque		300	220	250		
Service factor	1	1.15	1.15	1.15		
emperature rise		80 K	80 K	80 K		
Locked rotor time		30s (cold) 17s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)		
Noise level ²		64.0 dB(A)	62.0 dB(A)	62.0 dB(A)		
	25%	91.0	92.3	91.4		
	25% 50%	91.7	92.3	91.4		
Efficiency (%)		1				
,	75%	92.4	91.0	91.1		
	100%	93.0	89.7	90.2		
	25%	0.36	0.45	0.40		
Power Factor	50%	0.62	0.71	0.66		
	75%	0.73	0.81	0.78		
	100%	0.80	0.85	0.83		
		Drive end Non drive end	Foundation loads			
Bearing type		: 6309 Z C3 6208 Z C3	Max. traction : 541 lb			
Sealing		: Without Without	Max. compression	: 744 lb		
0		Bearing Seal Bearing Seal	•			
Lubrication interv	val	: 20000 h 20000 h				
Lubricant amour	nt	: 13 g 8 g				
Lubricant type		: Mobil Polyrex EM				
Notes USABLE @208V	/ 41.1A SF 1.	00 SFA 41.1A				
This revision repl must be eliminate	ed. Notor from the	olerance of +3dB(A).		based on tests with sinusoidal e tolerances stipulated in NEMA		
(1) Looking the m(2) Measured at 1		t to changes after				
 Looking the m Measured at 1 Approximate v manufacturing pro At 100% of ful 	ocess.					
 Looking the m Measured at 1 Approximate v manufacturing pro 	ocess.	Changes Summary	Performed	Checked Date		
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(1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ocess.	Changes Summary	Performed	Checked Date Page Revision 1 / 16		



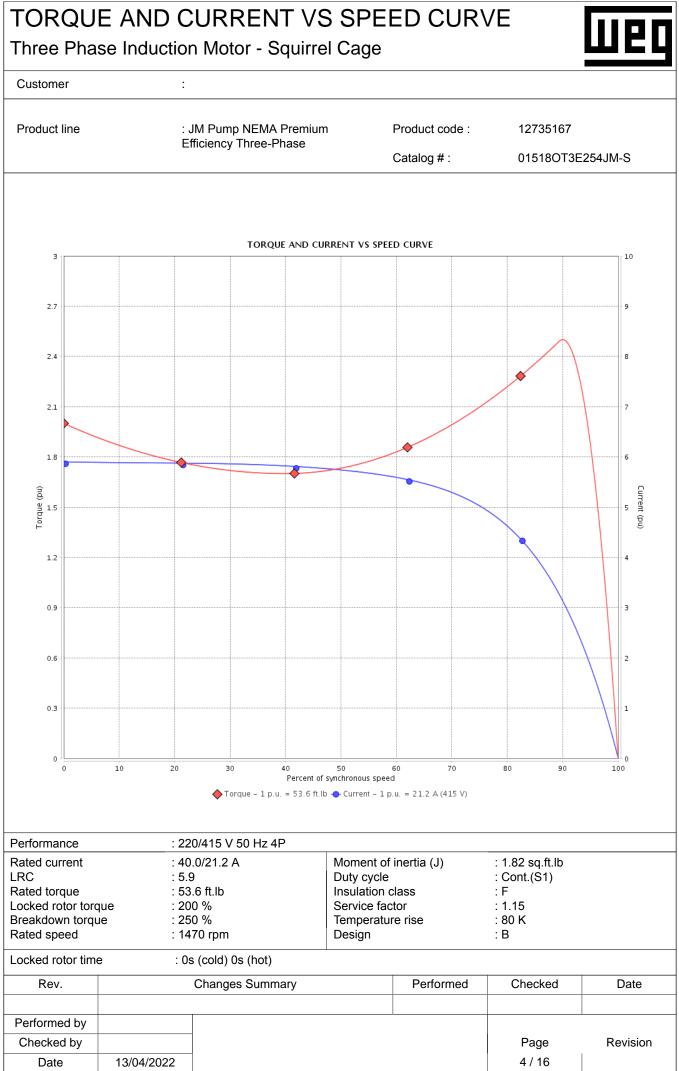
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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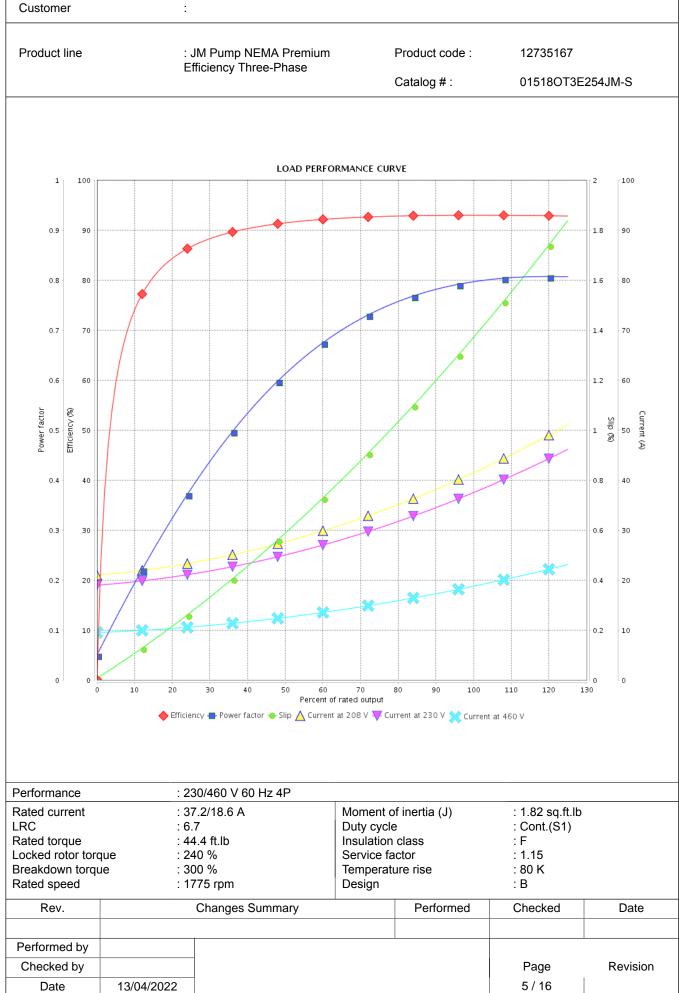
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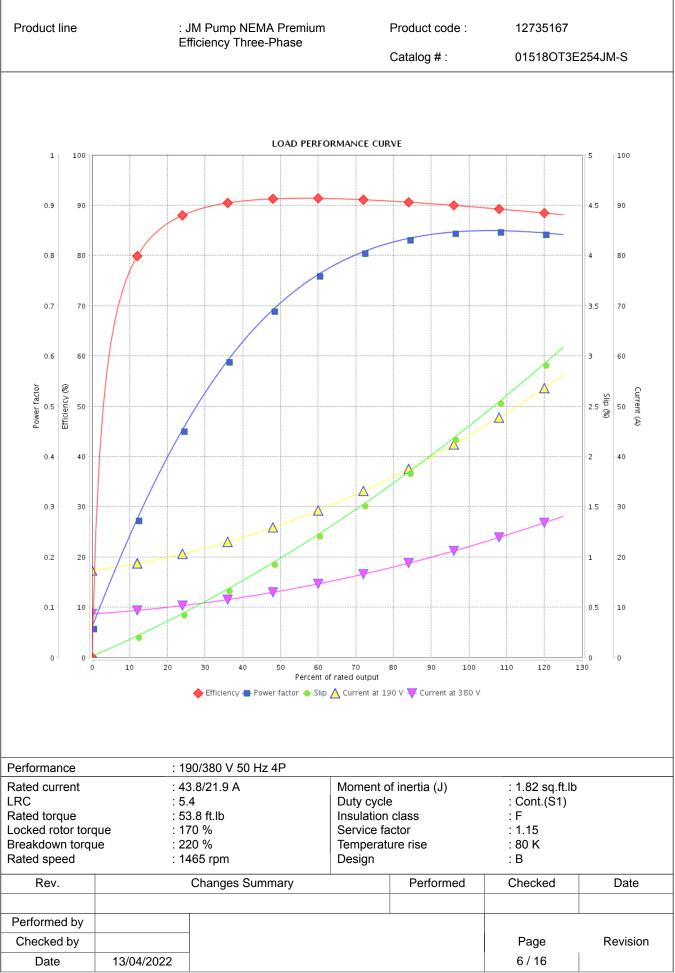
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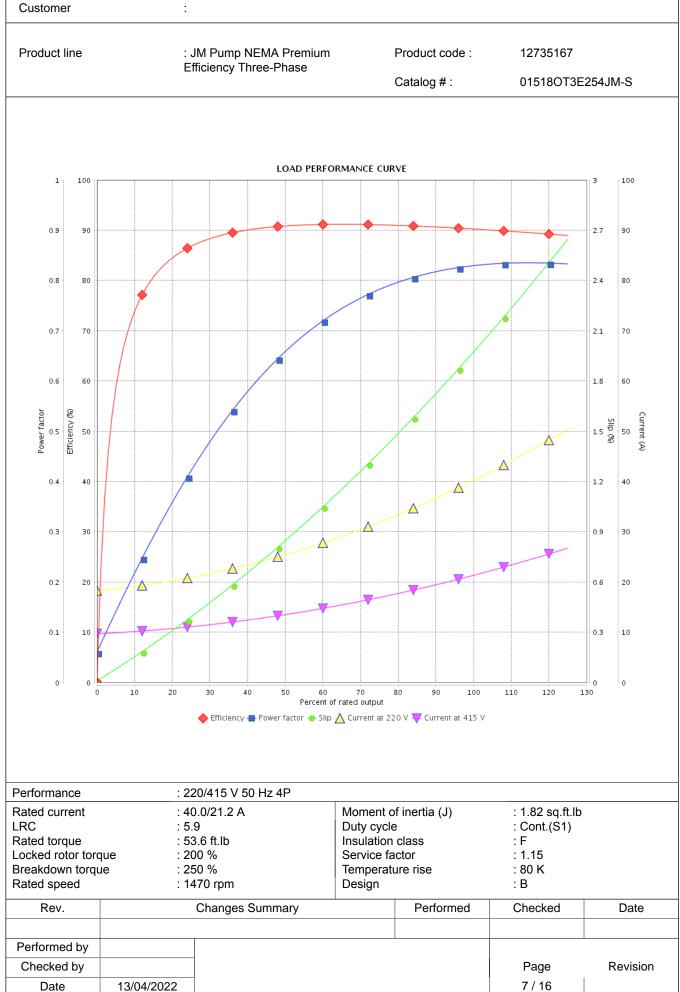
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THERMAL LIMIT CURVE

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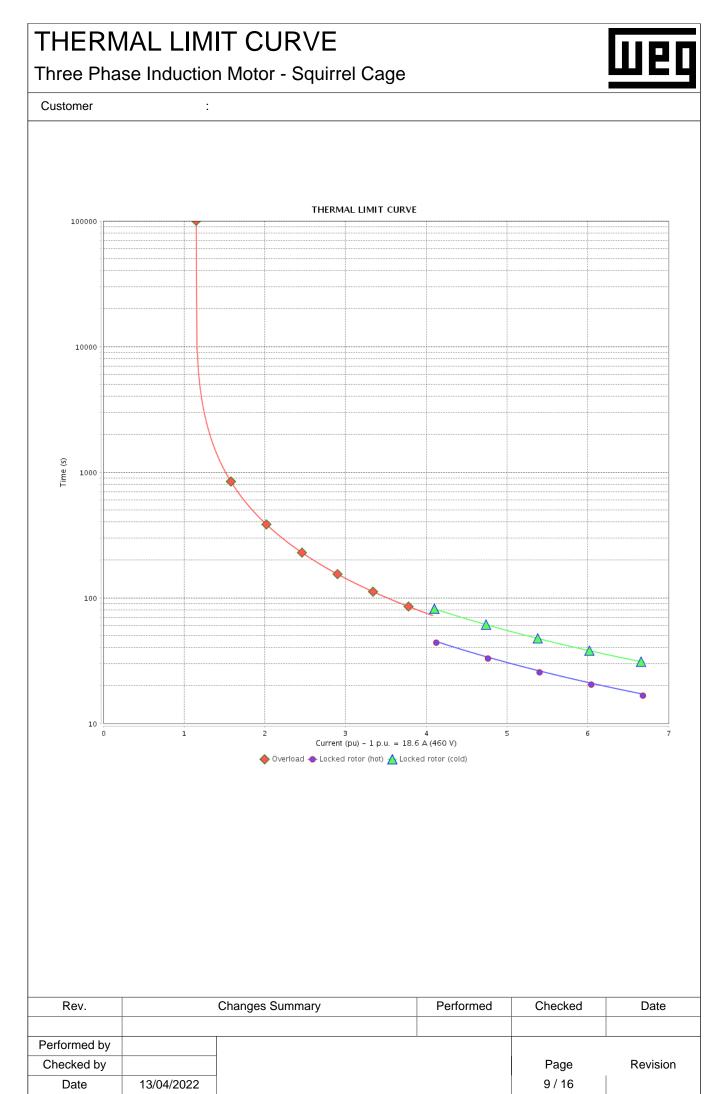


Customer

Destaution			Droduct codo :		10725167		
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12735167		
				Catalog # :	01518OT3E2	254JM-S	
Performance	: 23	30/460 V 60 Hz 4P					
Rated current		7.2/18.6 A		f inertia (J)	: 1.82 sq.ft.lb		
LRC Rated torque	: 6.	7 4.4 ft.lb	Duty cycle Insulation		: Cont.(S1) : F		
Locked rotor tor		40 %	Service fa		: 1.15		
Breakdown torqu		00 %	Temperatu		: 80 K		
Rated speed		775 rpm	Design		: B		
Heating constan							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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Date	13/04/2022				8 / 16		

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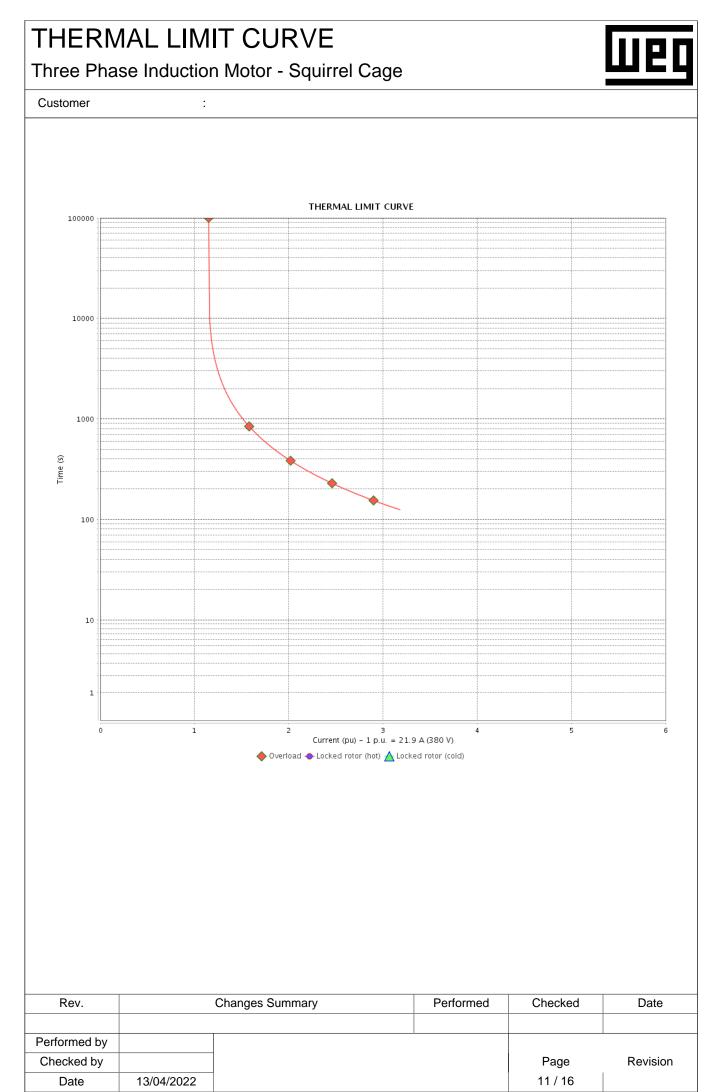


Customer

Product line :		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	12735167 015180T3E2	12735167 01518OT3E254JM-S	
Performance	· 19	90/380 V 50 Hz 4P					
Rated current		3.8/21.9 A	Moment o	f inertia (J)	: 1.82 sq.ft.lb		
LRC	: 5.	4	Duty cycle	9	: Cont.(S1)		
Rated torque		3.8 ft.lb	Insulation		: F		
Locked rotor toro Breakdown torqu		70 % 20 %	Service fa Temperati		: 1.15 : 80 K		
Rated speed		465 rpm	Design		: B		
			~				
Heating constan							
Cooling constan Rev.		Changes Summary		Performed	Checked	Date	
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 10 / 16

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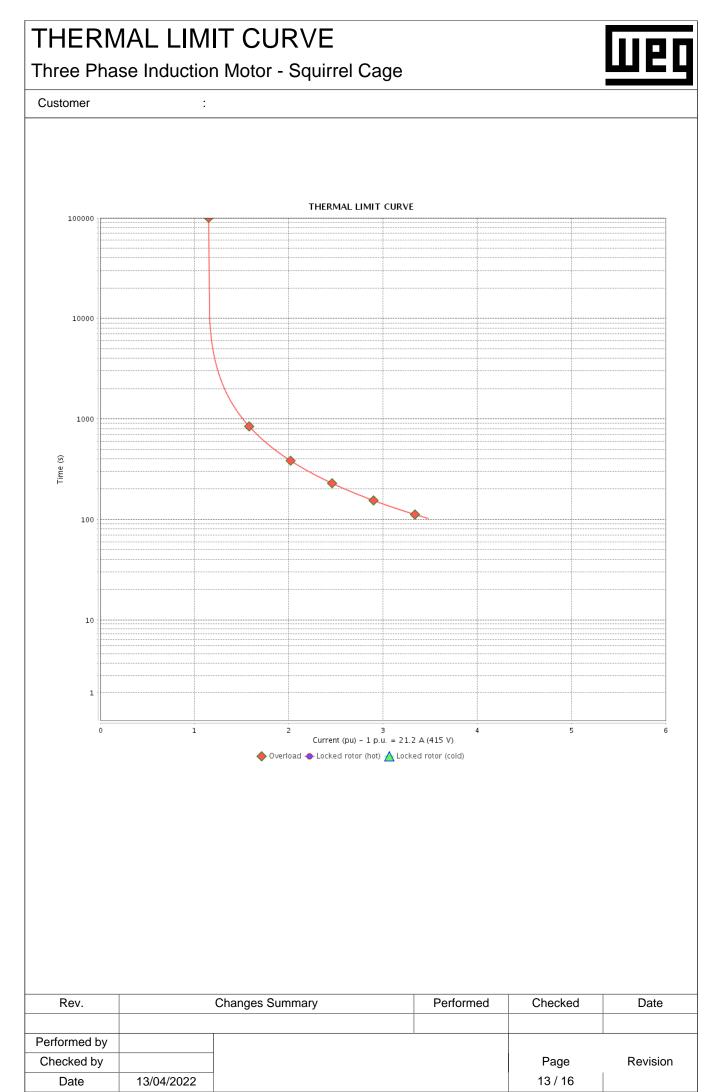
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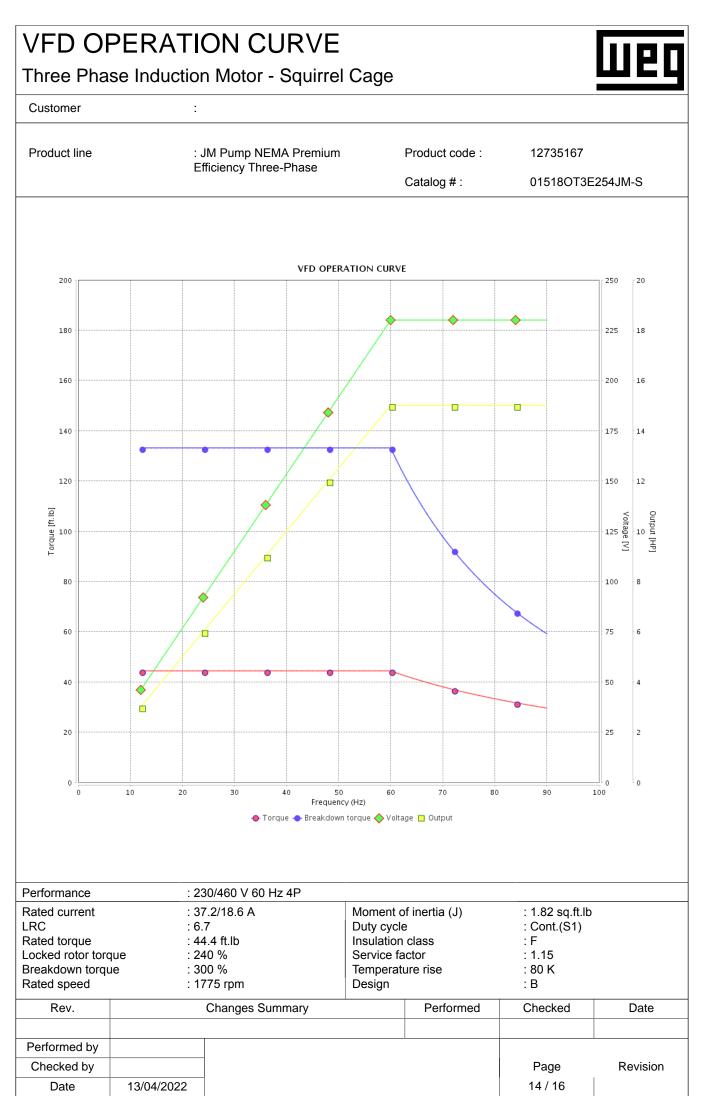


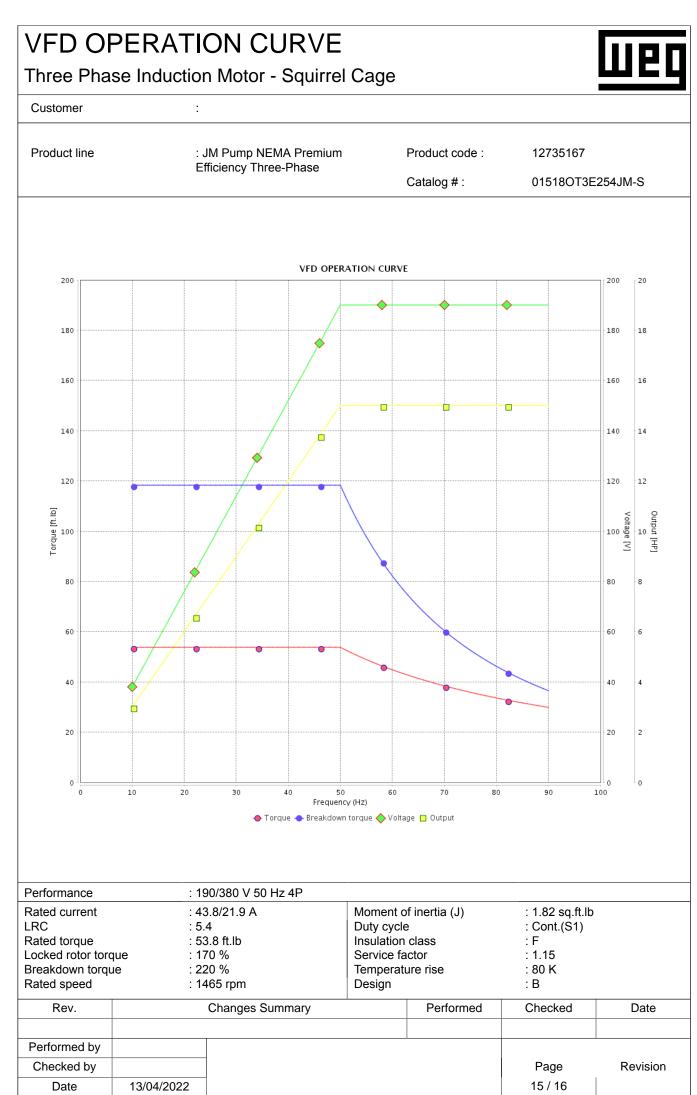
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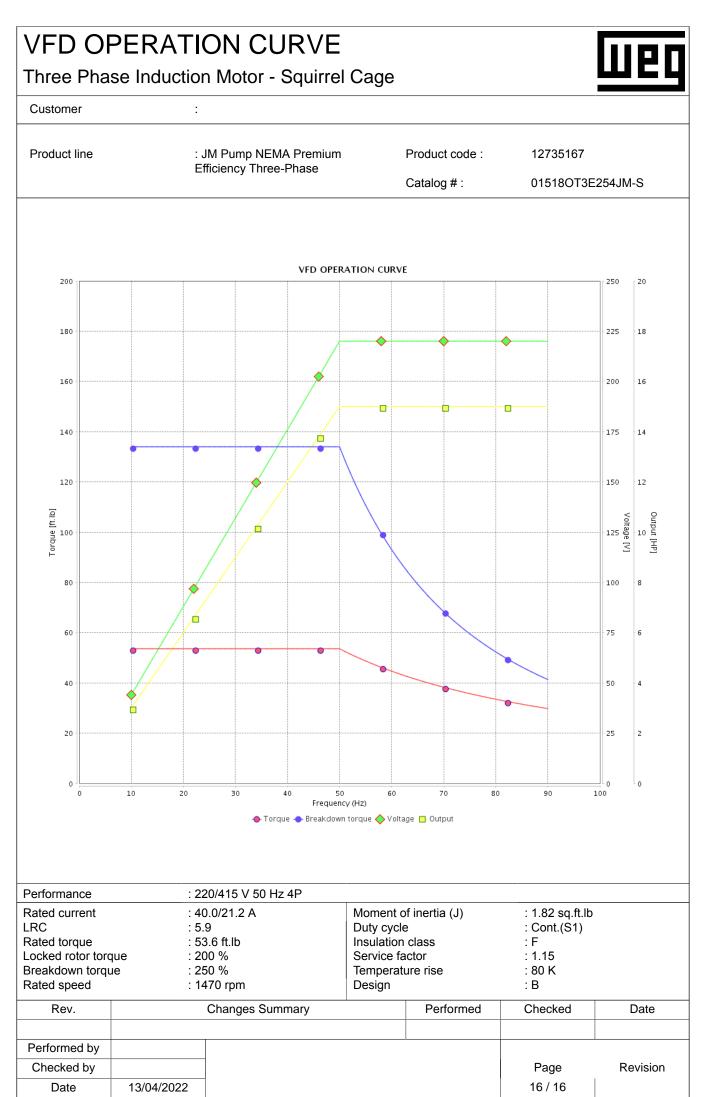
Product line	: E	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12735167	12735167	
				Catalog # :	01518OT3E2	54JM-S	
Performance		220/415 V 50 Hz 4P			4.00		
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 5 : 5 jue : 2 ie : 2	40.0/21.2 A 5.9 53.6 ft.lb 200 % 250 % 1470 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	i class actor	: 1.82 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant			-				
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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Date	13/04/2022	-			12 / 16		

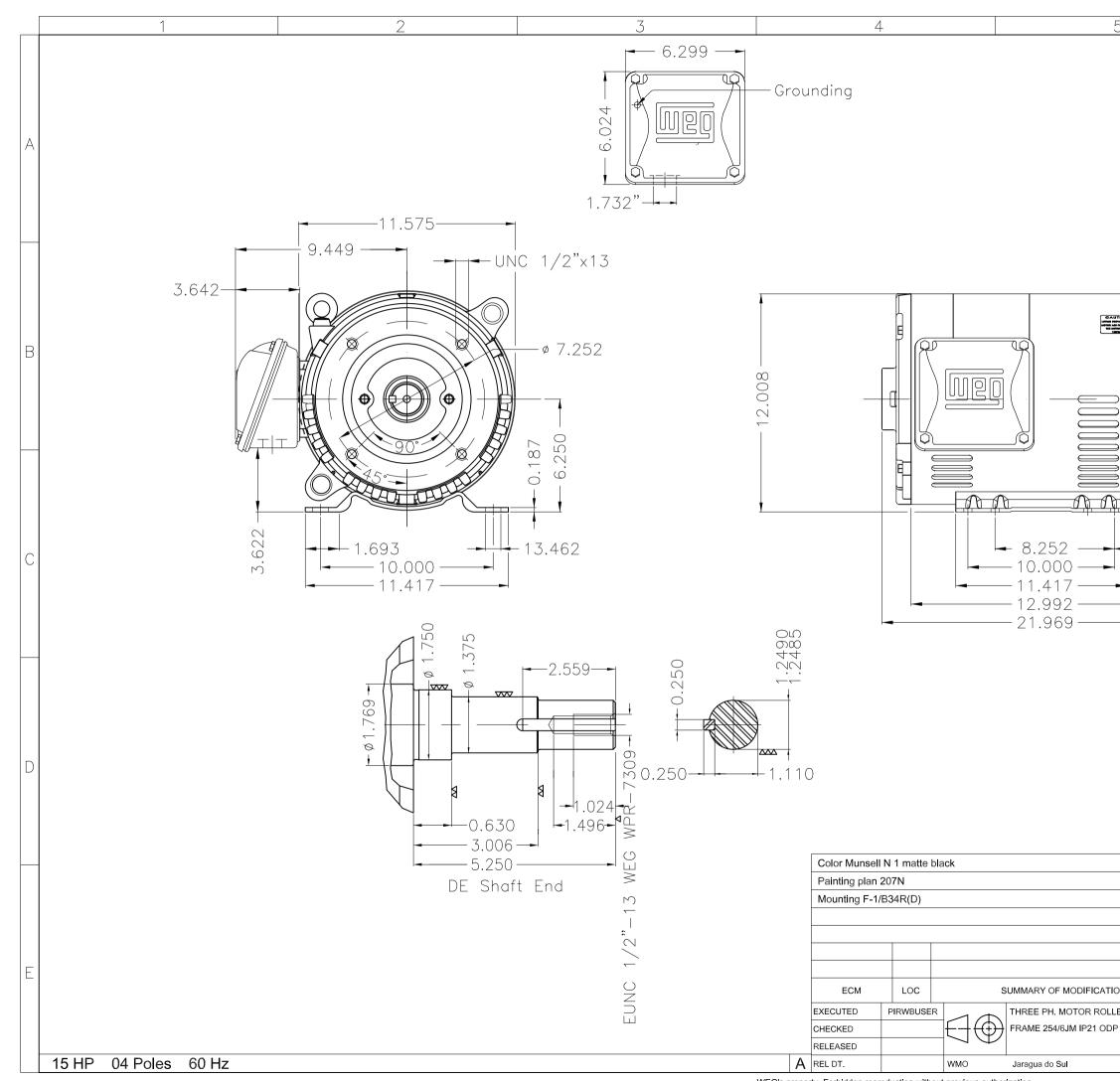
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