DATA SHEET

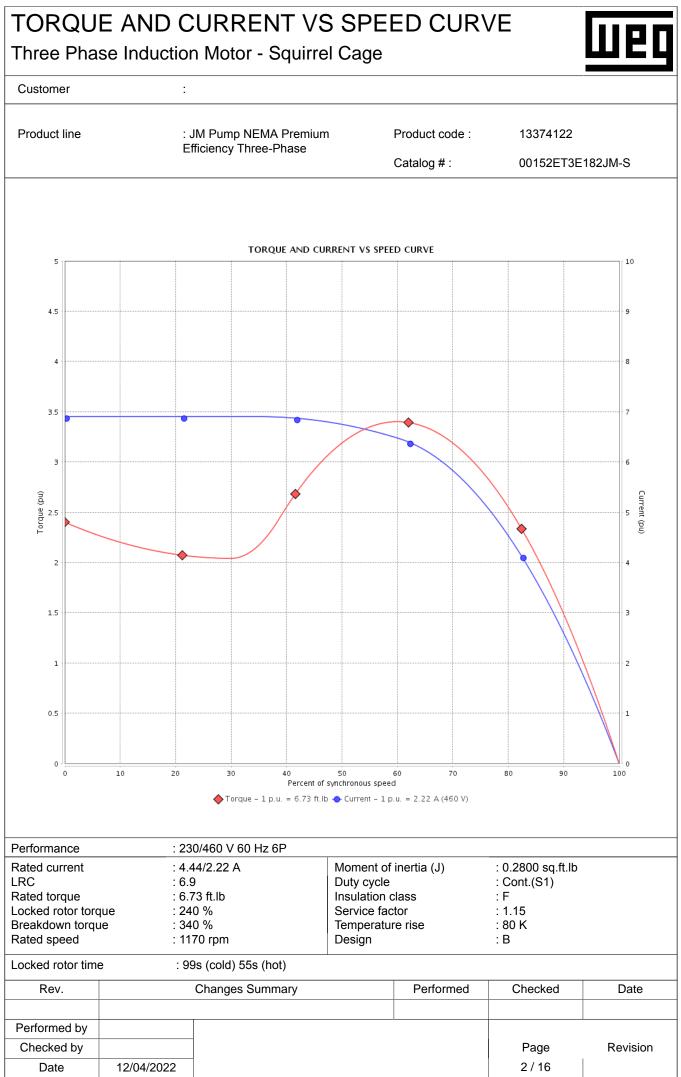
Three Phase Induction Motor - Squirrel Cage

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Customer

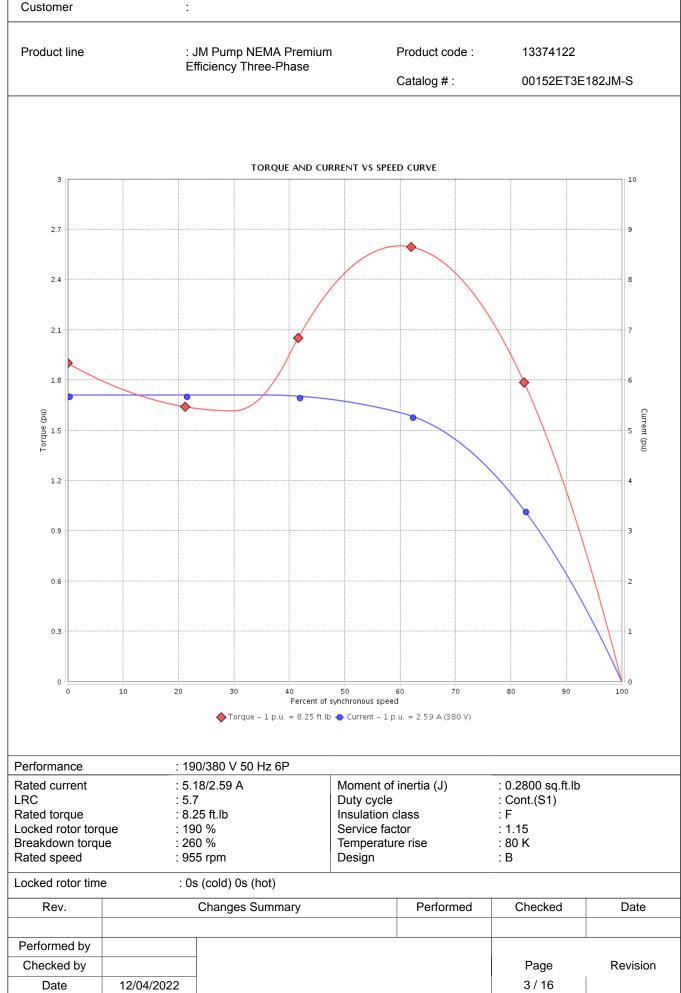
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product cod	e: 13374122	13374122 00152ET3E182JM-S	
				Catalog # :	00152ET3E182JM-S		
Frame		: 182/4JM		Cooling method	: IC411 - TEFC		
Insulation class		: F		Mounting	: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹	: Both (CW and CCV	V)	
Ambient tempera	ature	: -20°C to +40		Starting method	: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight ³	: 76.8 lb		
Protection degre Design	е	: IP55 : B		Moment of inertia (J) : 0.2800 sq.ft.lb	: 0.2800 sq.ft.lb	
Dutput [HP]		1.	5	1.5	1.5		
Poles		6		6	6		
Frequency [Hz]		60		50	50	50	
Rated voltage [V]		230/	460	190/380	220/415	220/415	
Rated current [A]		4.44/	2.22	5.18/2.59	4.73/2.51		
. R. Amperes [A]		30.6/		29.5/14.8	29.8/15.8		
_RC [A]		6.9x(C		5.7x(Code H			
No load current [A	1	2.73/		2.69/1.34	2.74/1.46		
Rated speed [RPN		11		955	960		
Slip [%]		2.5		4.50	4.00		
Rated torque [ft.lb]	1			8.25	8.21		
Locked rotor torque		6.73 240		190			
Breakdown torque				260	220		
Service factor	, [/º]	340 1.15		1.15	1.15		
Temperature rise		80		80 K	80 K	. 4)	
Locked rotor time		99s (cold)		Os (cold) Os (he)()	
Noise level ²	050/	52.0 0		50.0 dB(A)	50.0 dB(A)		
	25%	82		84.4	83.2		
Efficiency (%)	50%	84.0		84.2	83.5		
	75%	86.5		85.6	85.5		
	100%	87.5		84.9	85.4		
	25%	0.2		0.34	0.31		
Power Factor	50%	0.50		0.58	0.54		
	75%	0.63		0.70	0.66		
	100%	0.7	71	0.76	0.74		
De enir e tur e		Drive end	Non drive end	Foundation loads			
Bearing type		: 6207 ZZ	6205 ZZ	Max. traction	: 113 lb		
Sealing		: V'Ring	Without Bearing Seal	Max. compression	: 190 lb		
Lubrication interv	val	: -	-				
Lubricant amount		: -	-				
Lubricant type		: Mobil P	olyrex EM				
Notes USABLE @208V	4.91A SF 1.0	00 SFA 4.91A					
This revision repla must be eliminate (1) Looking the m	ed. notor from the 1m and with t weight subjec	e shaft end. olerance of +3dE	3(A).		alues based on tests with sinuso t to the tolerances stipulated in I		
(2) Measured at 1(3) Approximate vmanufacturing pro(4) At 100% of full							
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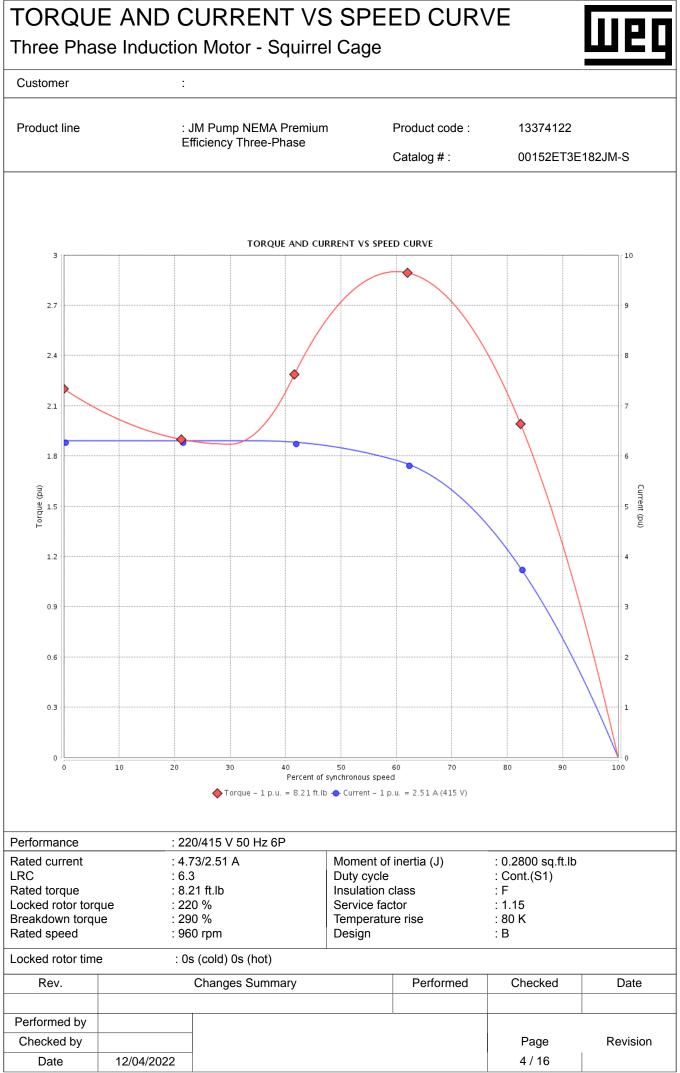
TORQUE AND CURRENT VS SPEED CURVE

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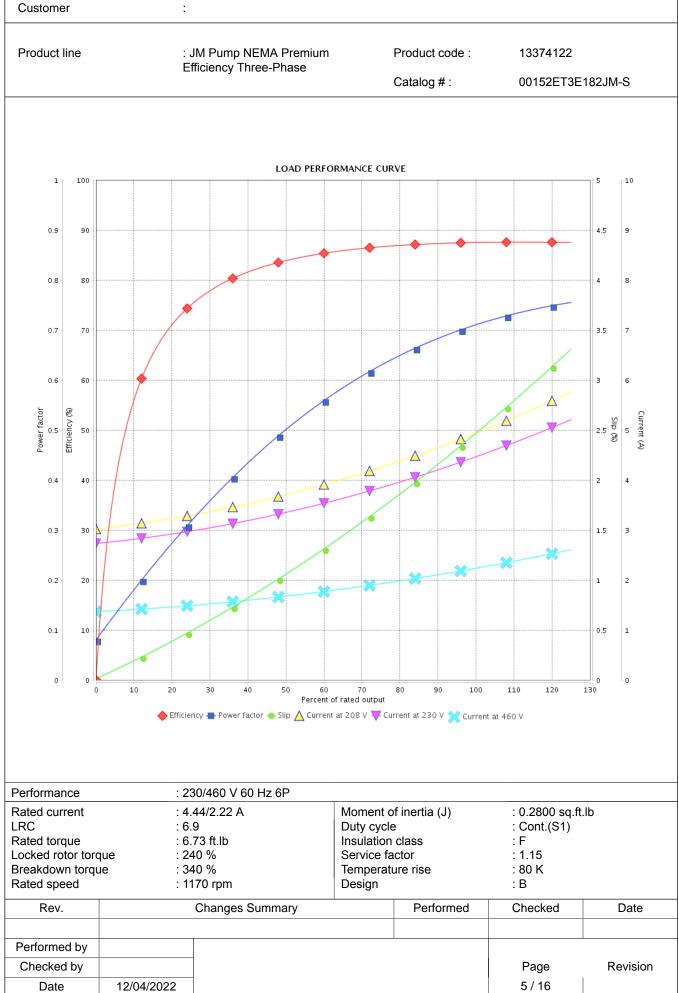
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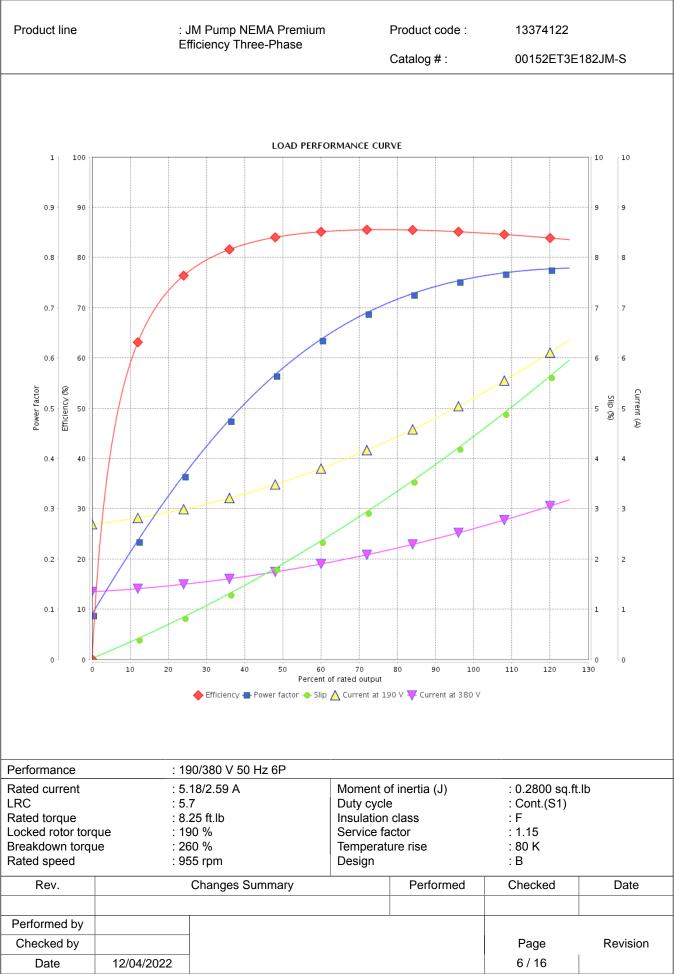
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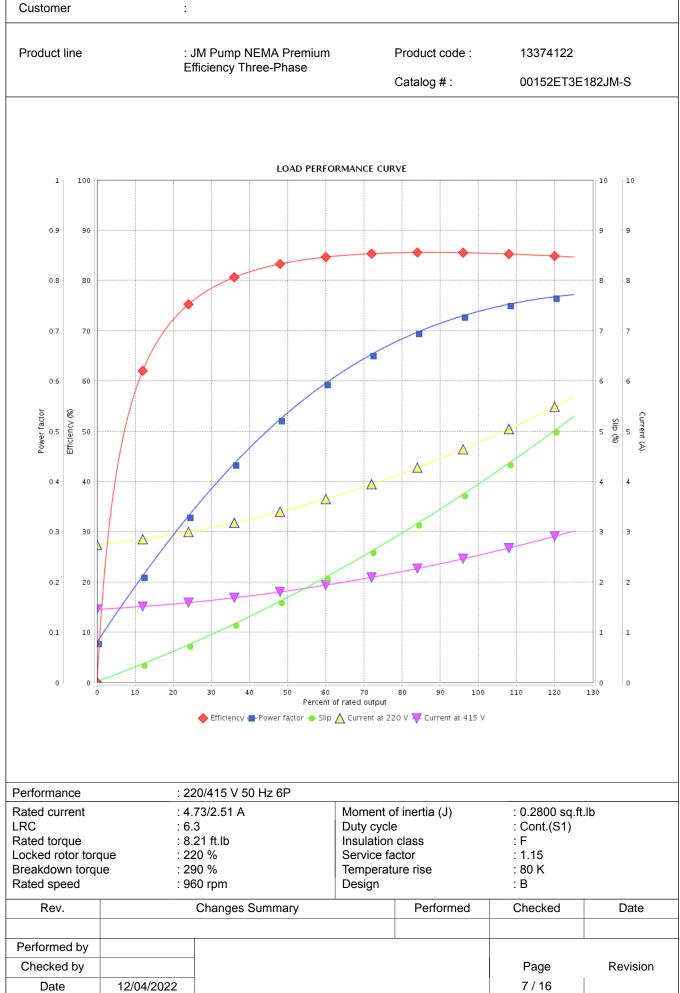
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THERMAL LIMIT CURVE

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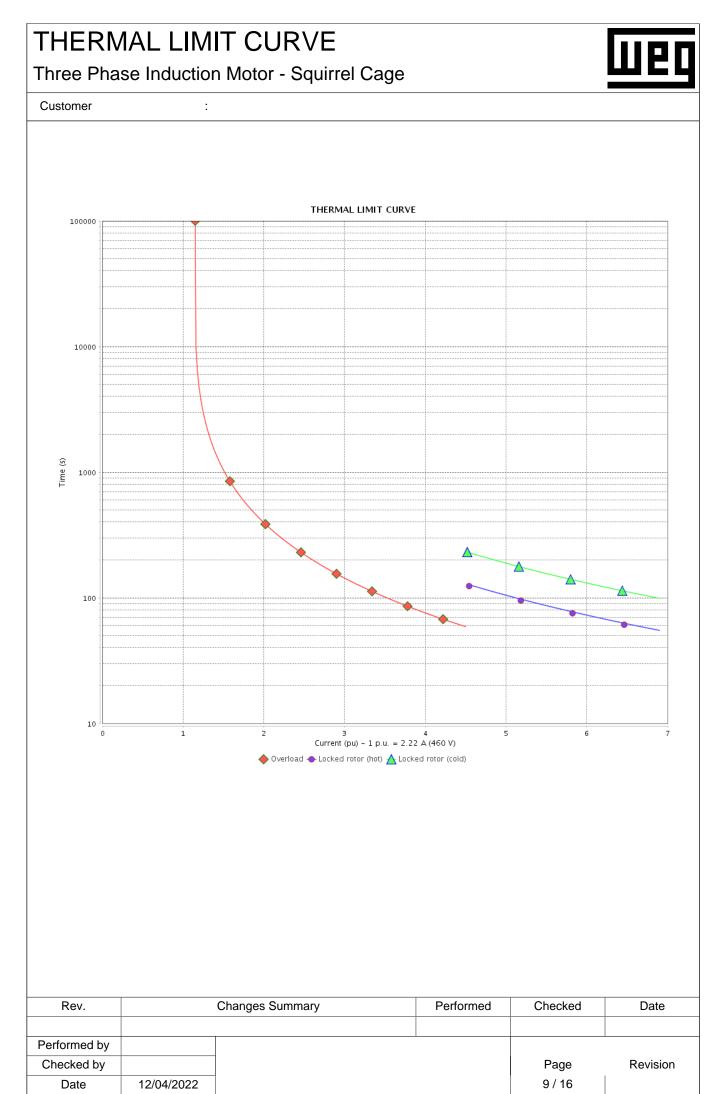
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Customer

Product line	: JM Pump NEMA Premium			Product code :	13374122	
	E	fficiency Three-Phase		Catalog # :	00152ET3E ²	182JM-S
Performance	: 2	30/460 V 60 Hz 6P				
Rated current LRC	: 4 : 6	.44/2.22 A	Moment o	f inertia (J)	: 0.2800 sq.ft.	lb
Rated torque	: 6	.9 .73 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor tore		40 %	Service fa		: 1.15	
Breakdown torqu Rated speed		40 % 170 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant			-			
Cooling constant						
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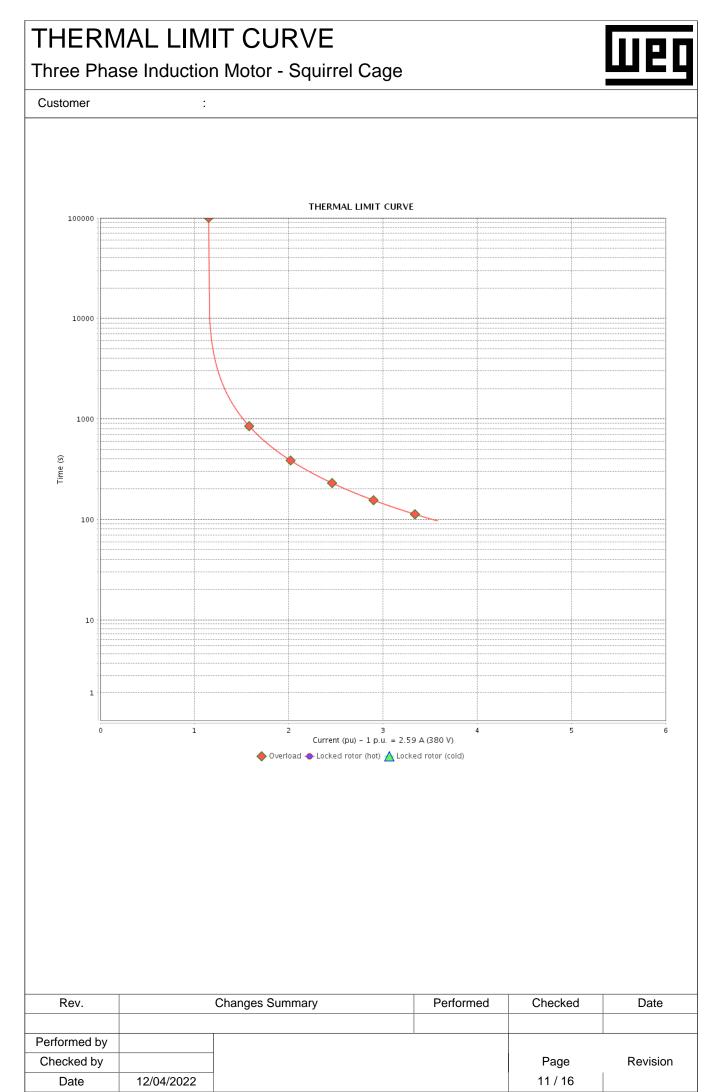
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Customer

Product line		: JM Pump NEMA Premium		Product code :	13374122	
1 TOULOU IIIIe	E	fficiency Three-Phase				
				Catalog # :	00152ET3E1	82JM-S
Performance		90/380 V 50 Hz 6P	Managata	finantia (1)	· 0.2000 ar #	
Rated current LRC	: 5	.18/2.59 A .7	Duty cycle	f inertia (J)	: 0.2800 sq.ft. : Cont.(S1)	D
Rated torque	: 8	.25 ft.lb	Insulation	class	: F	
Locked rotor toro		90 %	Service fa		: 1.15	
Breakdown torqu Rated speed		60 % 55 rpm	Temperatu Design	ure rise	: 80 K : B	
		r				
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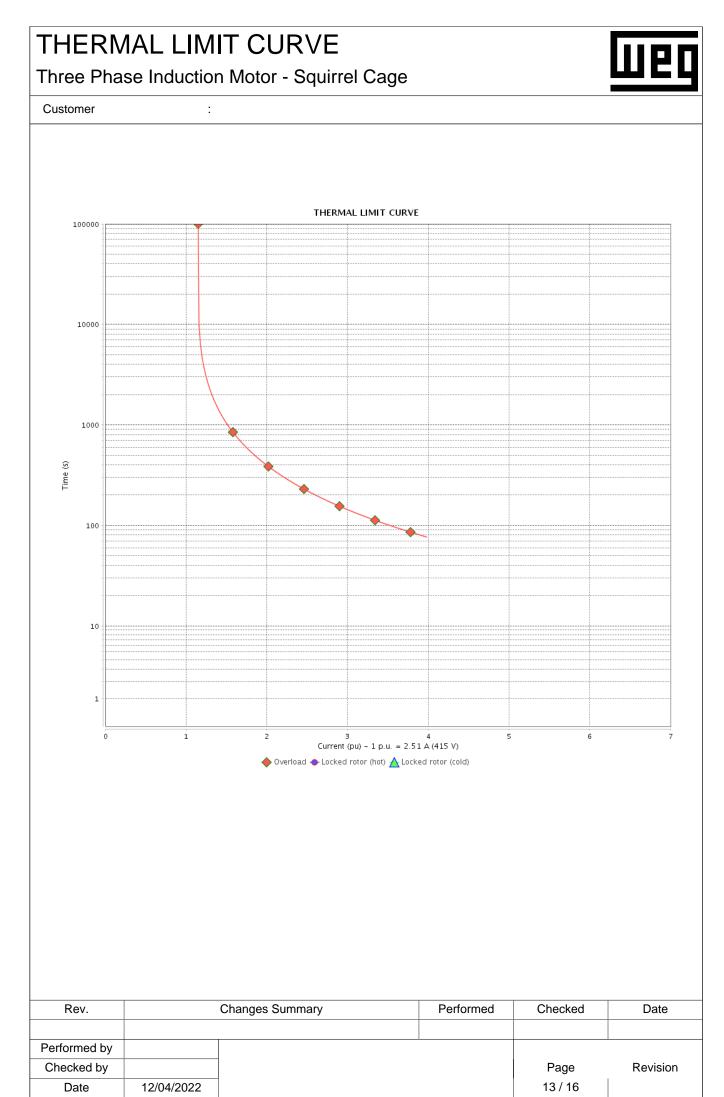


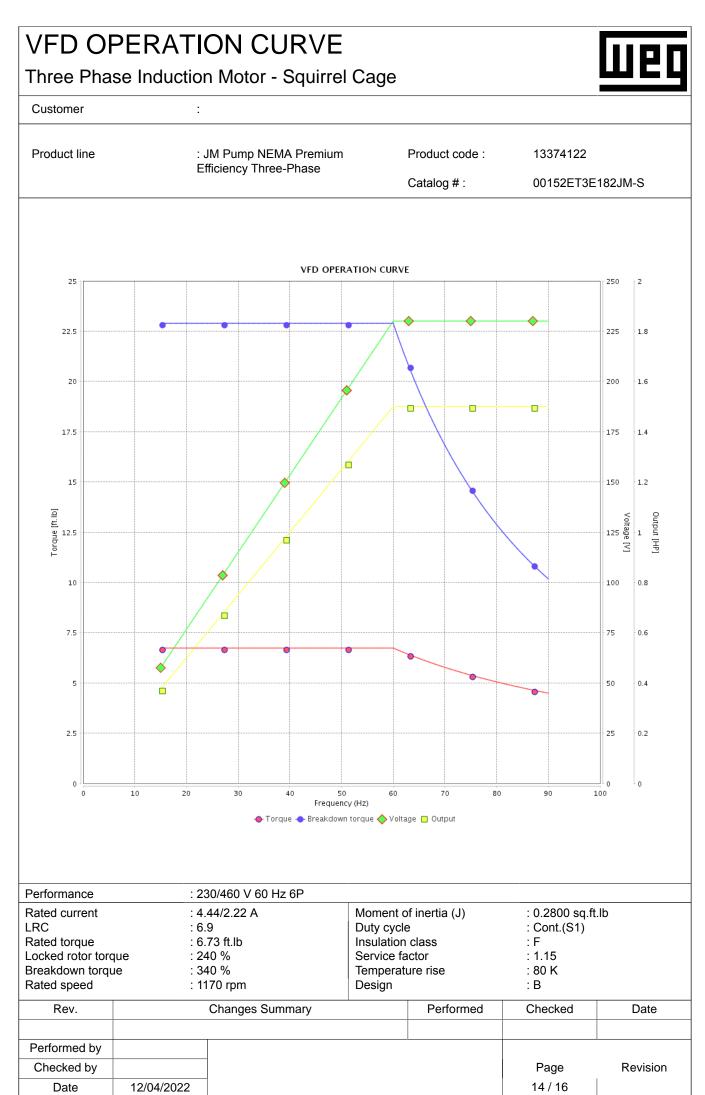
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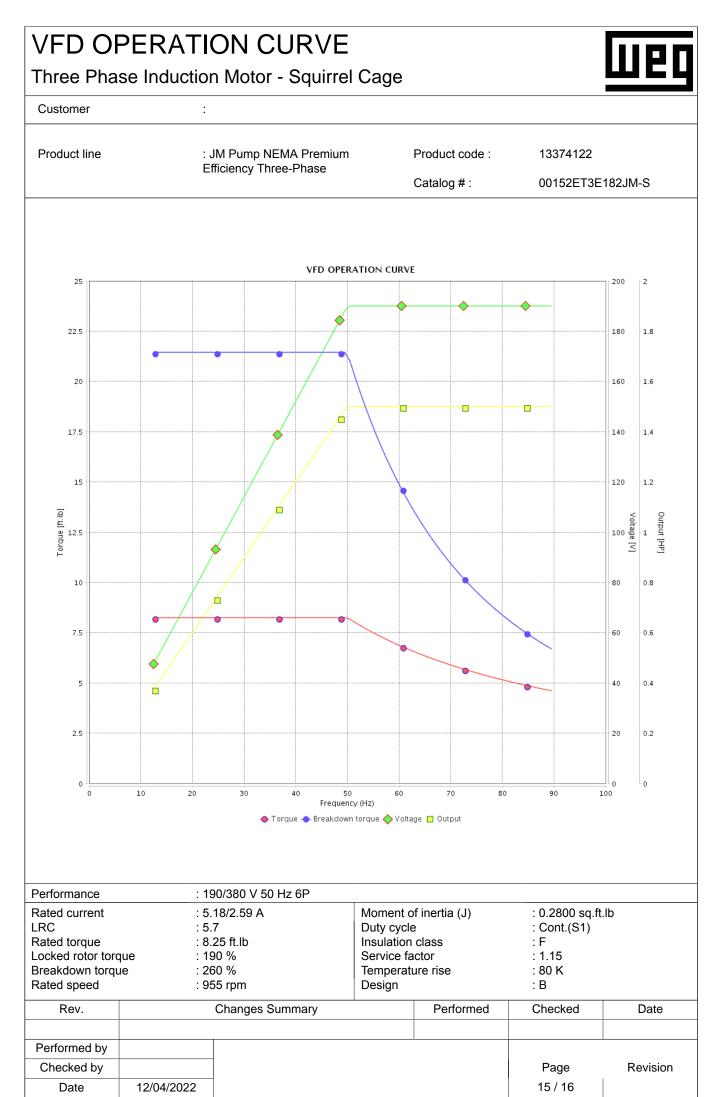
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13374122	
				Catalog # :	00152ET3E	182JM-S
Performance	: 22	20/415 V 50 Hz 6P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu	: 6. : 8. que : 22 Je : 29	21 ft.lb 20 % 90 %	Duty cycle Insulation Service fa Temperatu	class ctor	: 0.2800 sq.ft. : Cont.(S1) : F : 1.15 : 80 K	lb
Rated speed	: 96	60 rpm	Design		: B	
Heating constan	t					
Cooling constan						
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Checked by					Page	Revision
Date	12/04/2022				12/16	

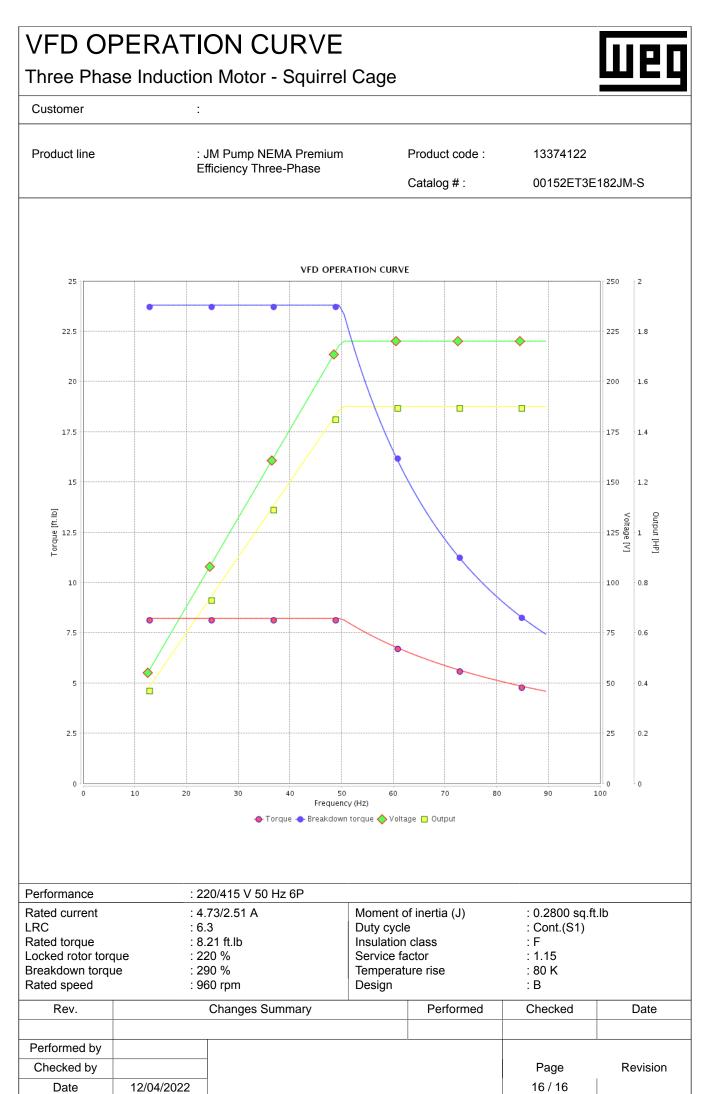
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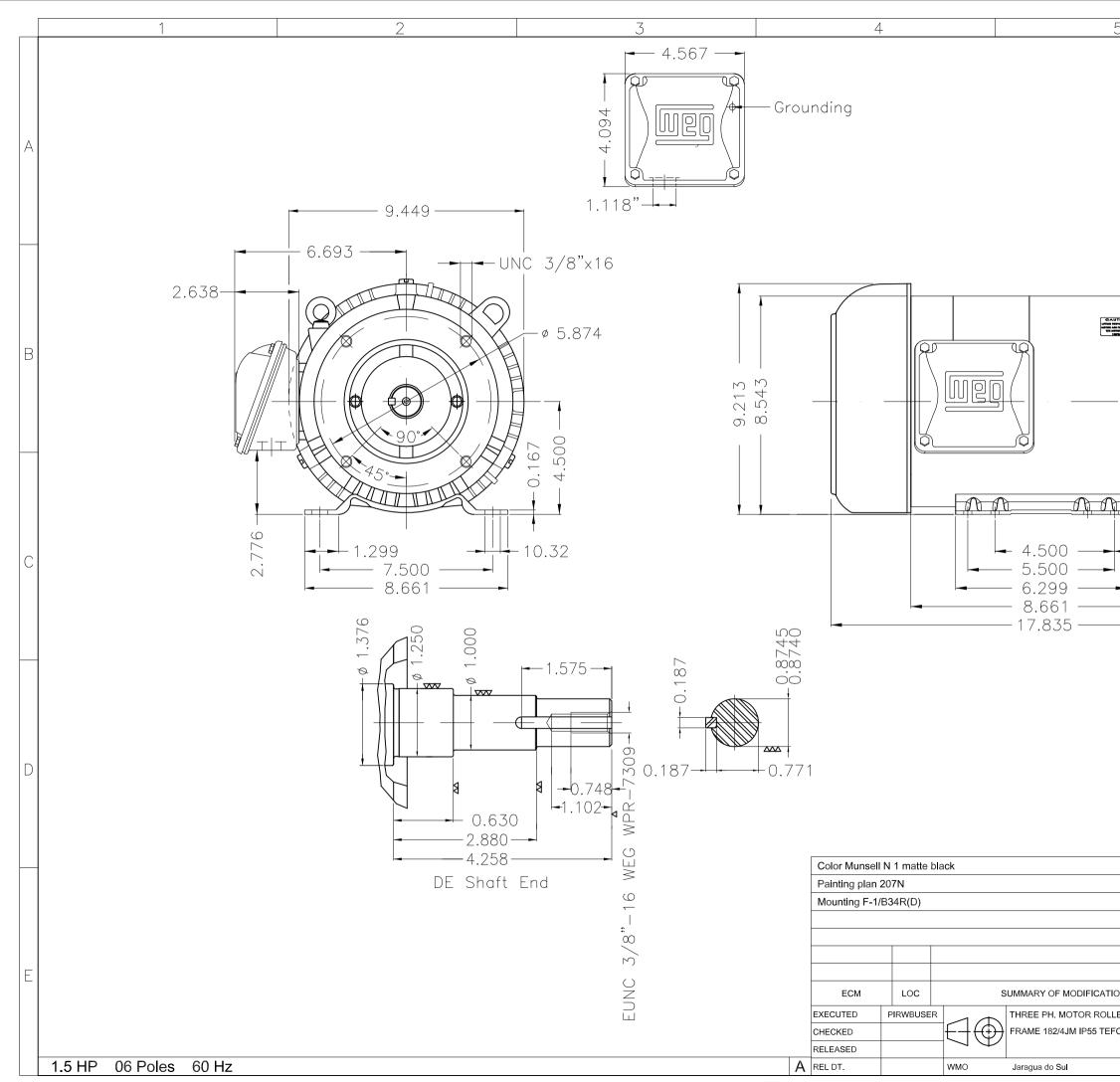
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