DATA SHEET

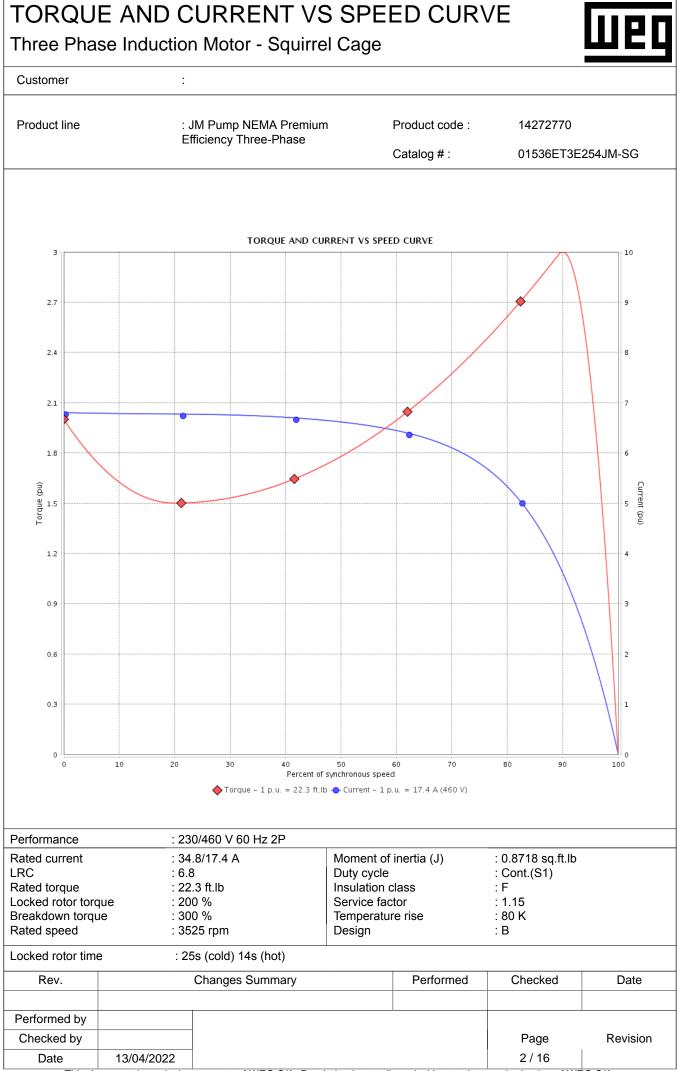
Three Phase Induction Motor - Squirrel Cage

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Customer

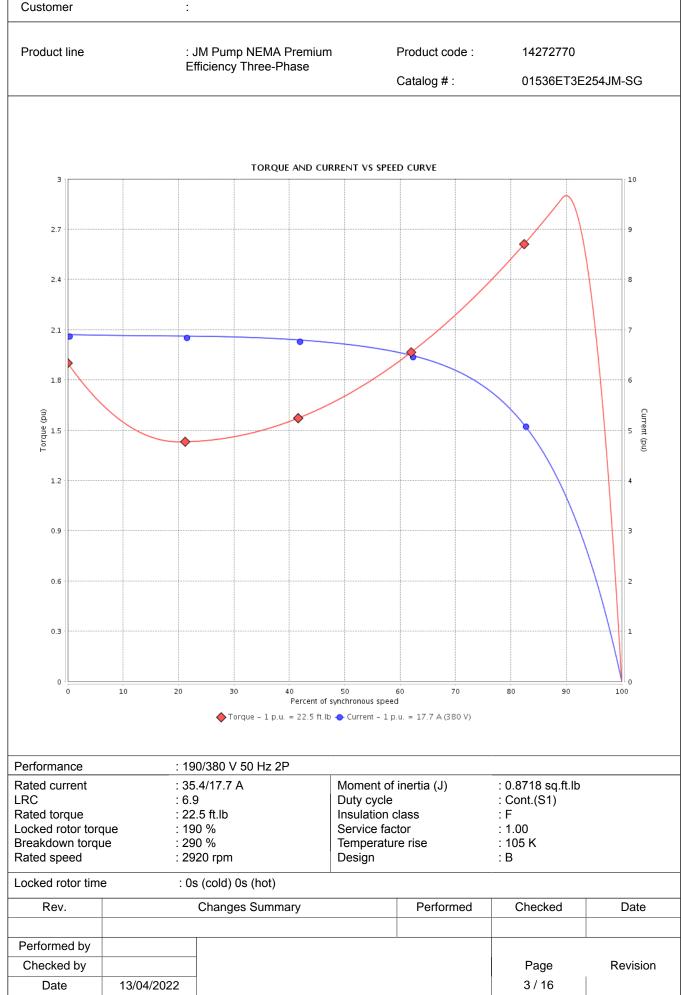
Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	14272770		
			Catalog # :	01536ET3E254JM-SG		
Frame Insulation class Duty cycle		: 254/6JM : F : Cont.(S1)	Cooling method Mounting Rotation ¹	: IC411 - TEFC : F-1 : Both (CW and CCW)		
Ambient temperature Altitude Protection degree		: -20°C to +40°C : 1000 m.a.s.l. : IP55	Starting method Approx. weight ³ Moment of inertia (J)	: Direct On Line : 195 lb : 0.8718 sq.ft.lb		
Design	0	: B				
Output [HP]		15	12.5	12.5		
		2 60	2 50	2 50		
Frequency [Hz] Rated voltage [V]		230/460	190/380	220/415		
		34.8/17.4	35.4/17.7	32.3/17.1		
Rated current [A]		237/118	244/122	245/130		
R. Amperes [A]						
RC [A]	-	6.8x(Code G)	6.9x(Code H)	7.6x(Code J)		
No load current [A		13.0/6.50	13.6/6.80	13.9/7.39		
Rated speed [RPN	/I]	3525	2920	2930		
Slip [%]		2.08	2.67	2.33		
Rated torque [ft.lb]		22.3	22.5	22.4		
ocked rotor torqu		200	190	210		
Breakdown torque	[%]	300	290	330		
Service factor		1.15	1.00	1.00		
emperature rise		80 K	105 K	105 K		
ocked rotor time		25s (cold) 14s (hot)	0s (cold) 0s (hot)	Os (cold) Os (hot)		
loise level ²		75.0 dB(A)	72.0 dB(A)	72.0 dB(A)		
	25%	89.2	90.7	90.1		
	50%	89.5	90.2	90.0		
Efficiency (%)	75%	91.0	90.6	90.7		
	100%	91.0	89.8	90.3		
	25%	0.47	0.47	0.43		
	50%	0.73	0.74	0.70		
Power Factor	75%	0.83	0.84	0.81		
	100%	0.87	0.88	0.86		
Pooring type	100 /0	<u>Drive end</u> <u>Non drive end</u> : 6309 Z C3 6208 Z C3	Foundation loads			
Bearing type			Max. traction	: 257 lb		
Sealing		: V'Ring V'Ring	Max. compression	: 452 lb		
Lubrication interv		: 15797 h 20000 h				
Lubricant amoun	t	: 13 g 8 g				
Lubricant type		: Mobil Polyrex EM				
Notes USABLE @208V	38.5A SF 1.	00 SFA 38.5A				
 This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. 			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
Rev.		Changes Summary	Performed	Checked Date		
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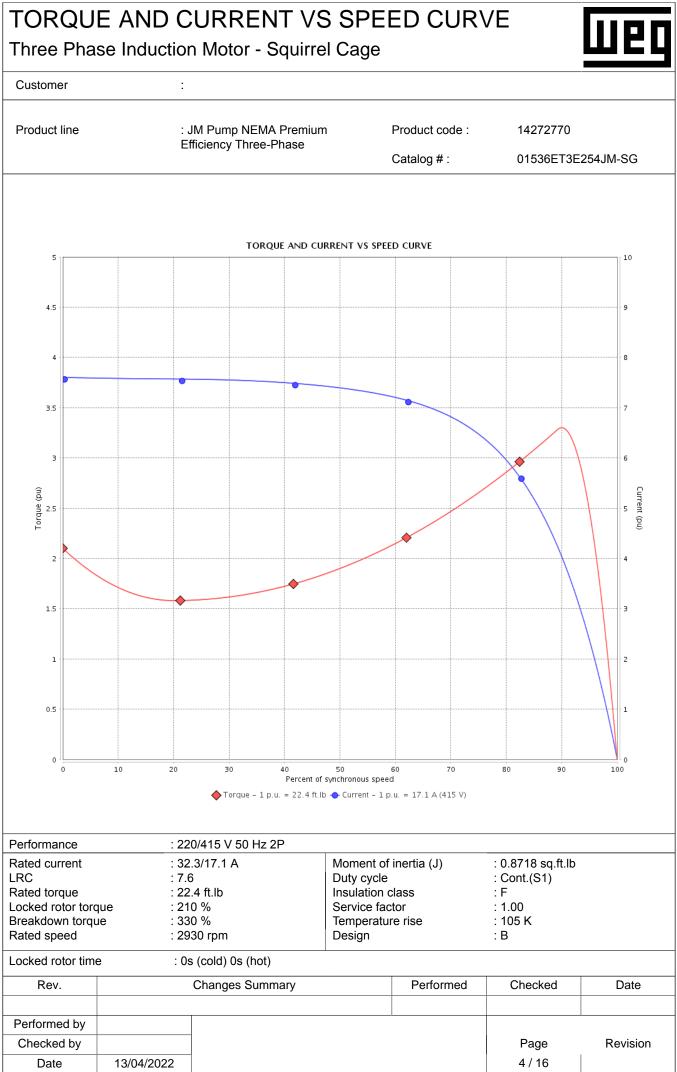
TORQUE AND CURRENT VS SPEED CURVE

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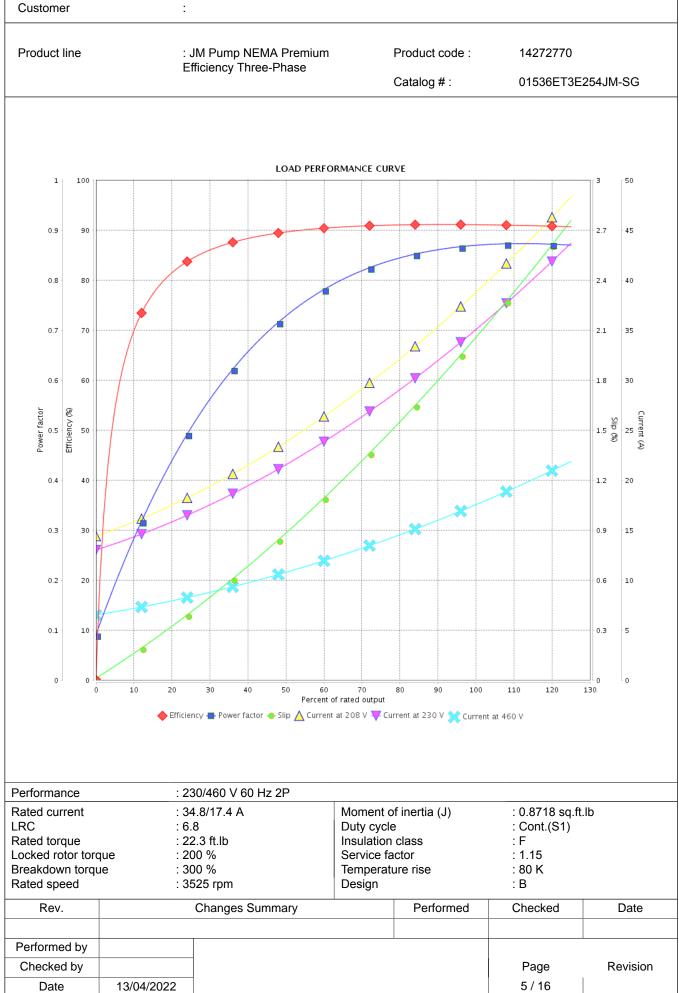


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LOAD PERFORMANCE CURVE

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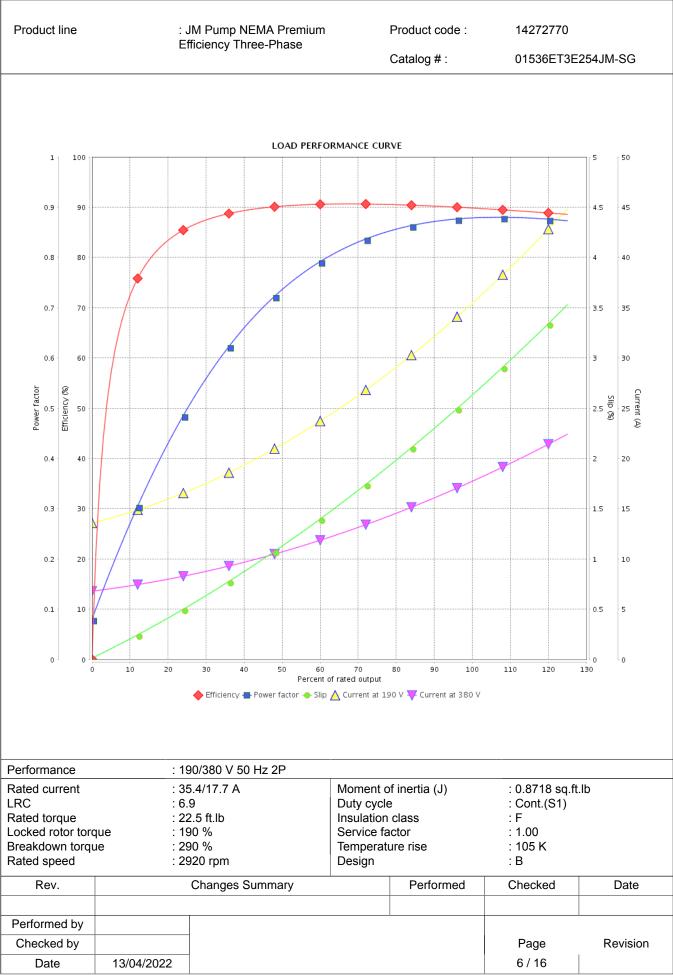
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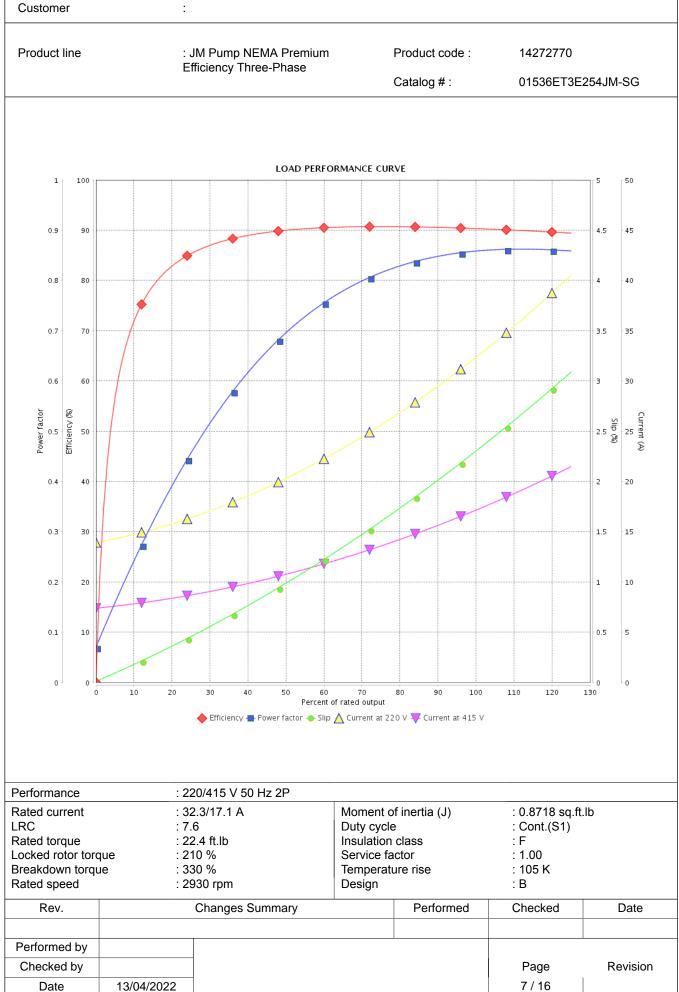
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THERMAL LIMIT CURVE

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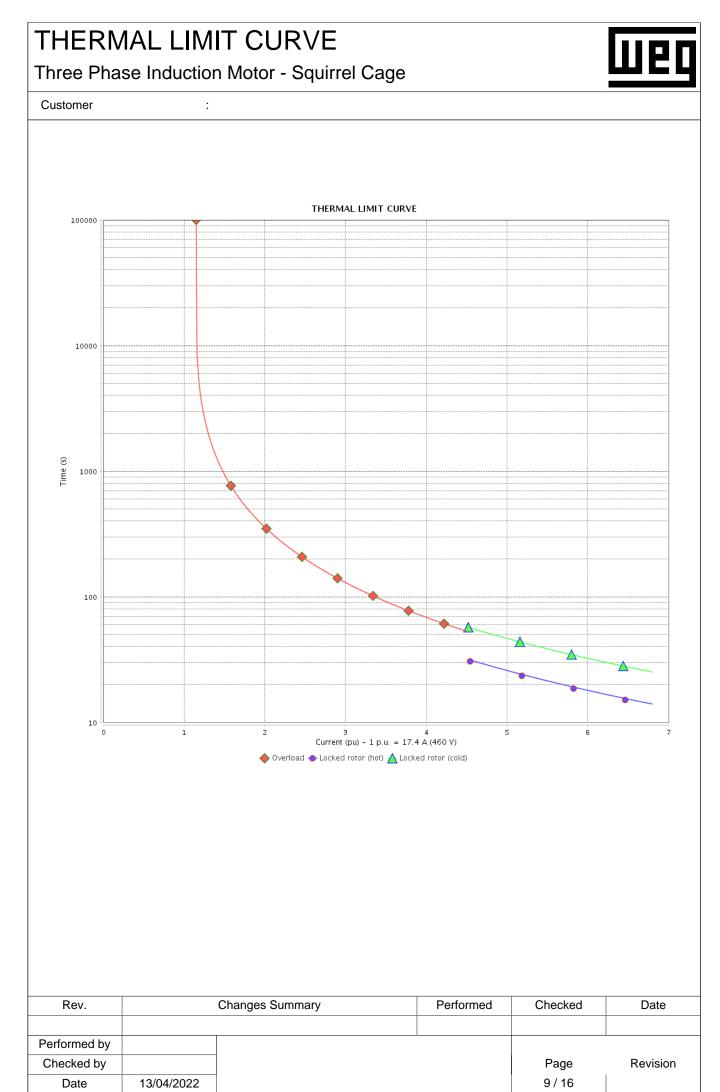


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase			14272770	
				Product code :		
		,	Catalog # :		01536ET3E254JM-SG	
Performance		30/460 V 60 Hz 2P				
Rated current LRC	: 3	4.8/17.4 A 8	Moment of inertia (J) Duty cycle		: 0.8718 sq.ft.lb : Cont.(S1)	
Rated torque : 22.3 ft.lb		2.3 ft.lb	Insulation class		: F	
Locked rotor torque : 200 %		Service factor Temperature rise		: 1.15		
Breakdown torqu Rated speed		00 % 525 rpm	Design	ure rise	: 80 K : B	
			<u> </u>			
Heating constant Cooling constant						
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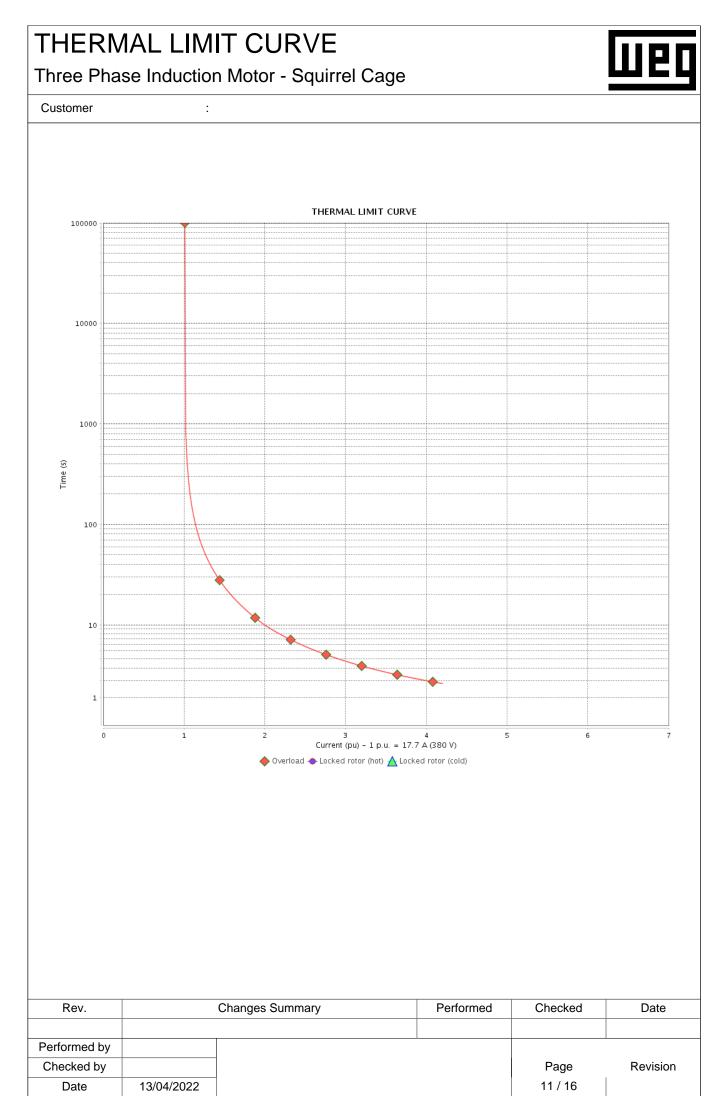


Customer

Product line : JM Pun Efficienc						
		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14272770	14272770
		······, ·····		Catalog # :	01536ET3E2	54JM-SG
Performance		90/380 V 50 Hz 2P				
LRC : Rated torque : Locked rotor torque : Breakdown torque :		5.4/17.7 A .9 2.5 ft.lb 90 % 90 % 920 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.8718 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant			-			
Cooling constant						
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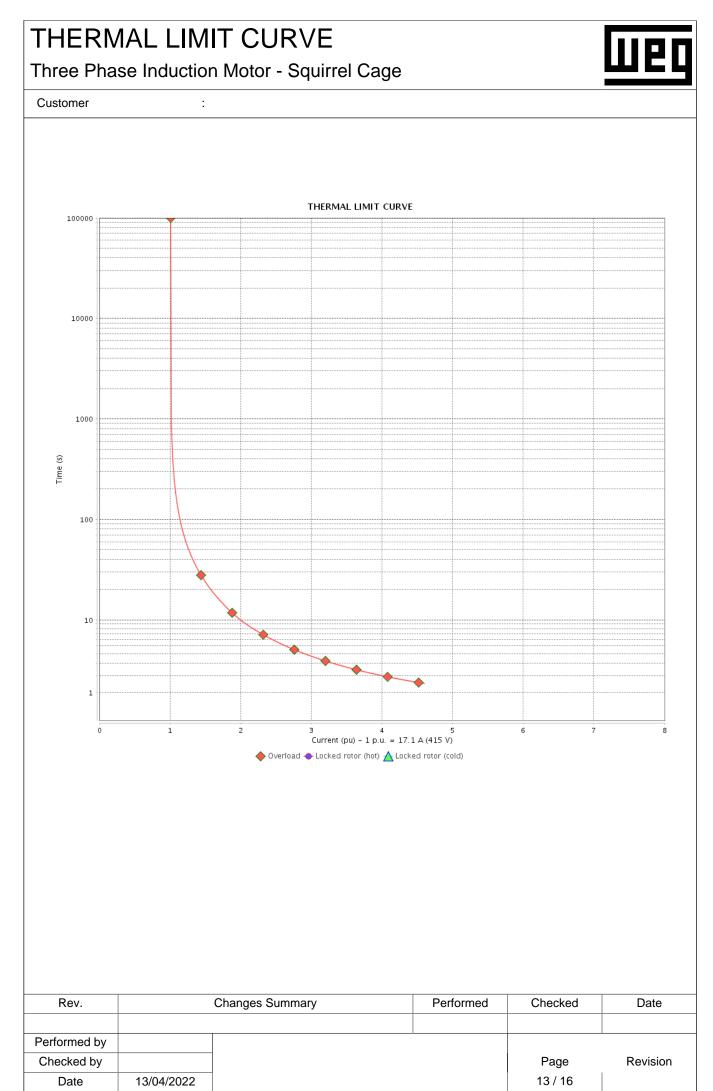
Three Phase Induction Motor - Squirrel Cage

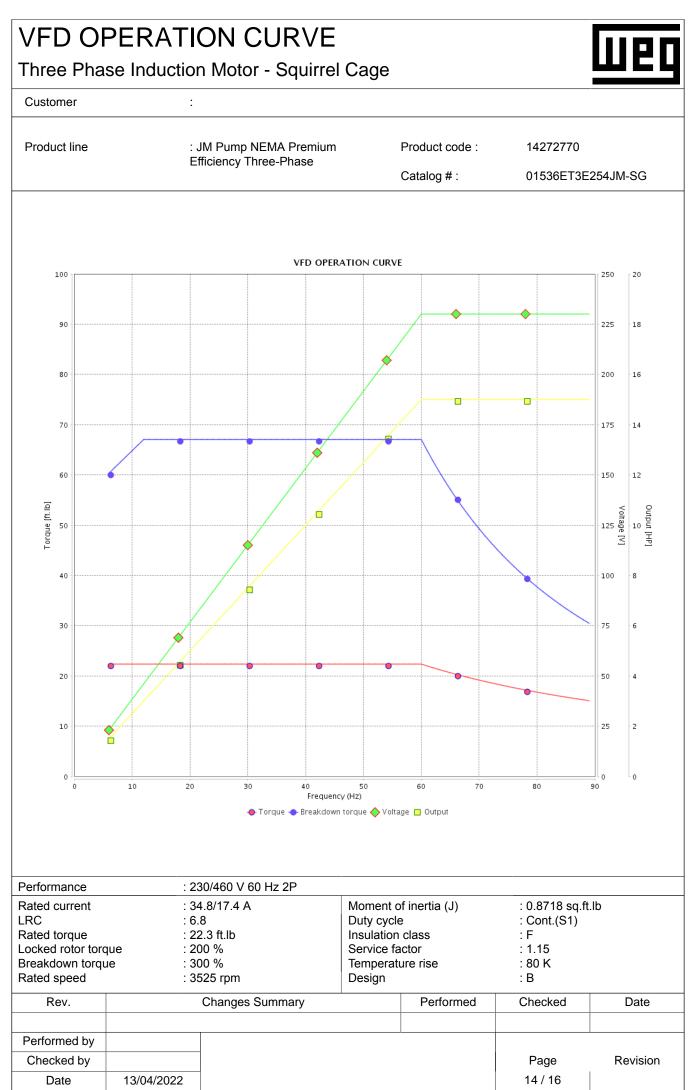
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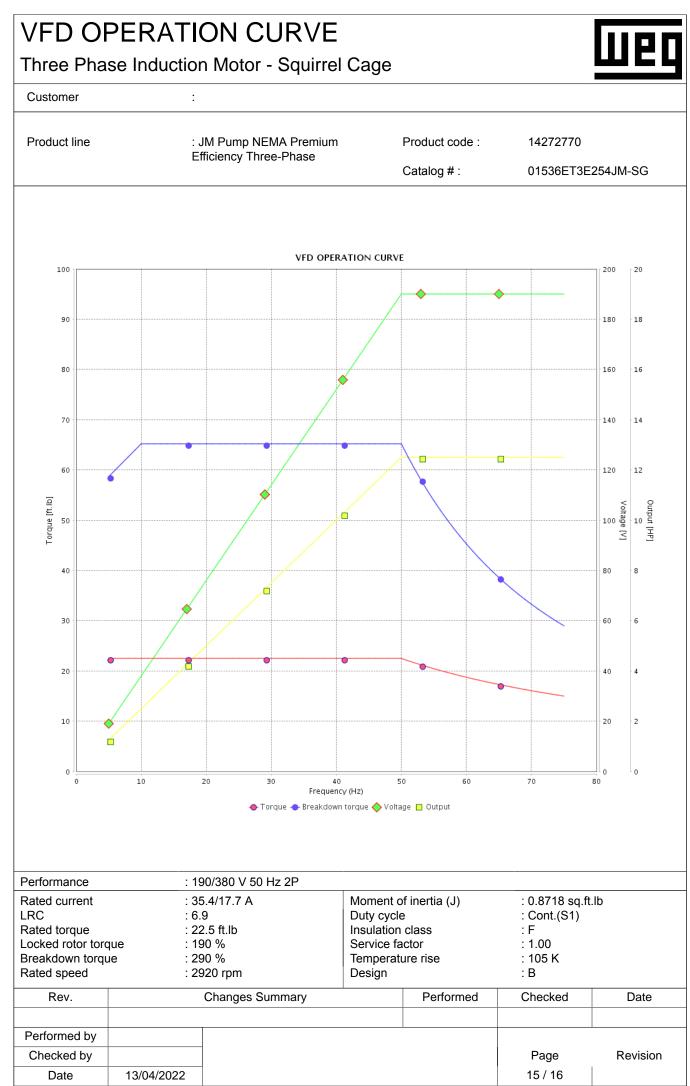
Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14272770	
				Catalog # :	01536ET3E254JM-SG	
Performance		: 220/415 V 50 Hz 2P				
Rated current		: 32.3/17.1 A	Momonto	f inertia (J)	· 0.9719 cg ft l	h
LRC		: 7.6	Duty cycle		: 0.8718 sq.ft.l : Cont.(S1)	D
Rated torque	:	: 22.4 ft.lb	Insulation	class	: F	
Locked rotor torq		: 210 %	Service fa		: 1.00	
Breakdown torque Rated speed		: 330 % : 2930 rpm	Temperatu Design	life fise	: 105 K : B	
			_ co.g.:		· <u> </u>	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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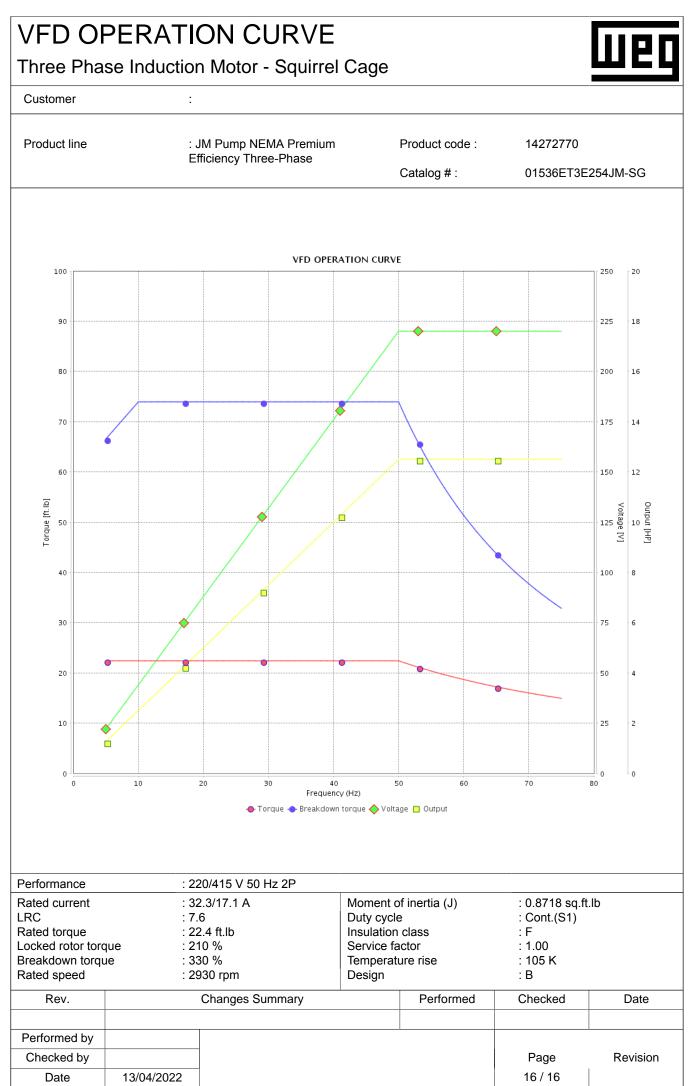




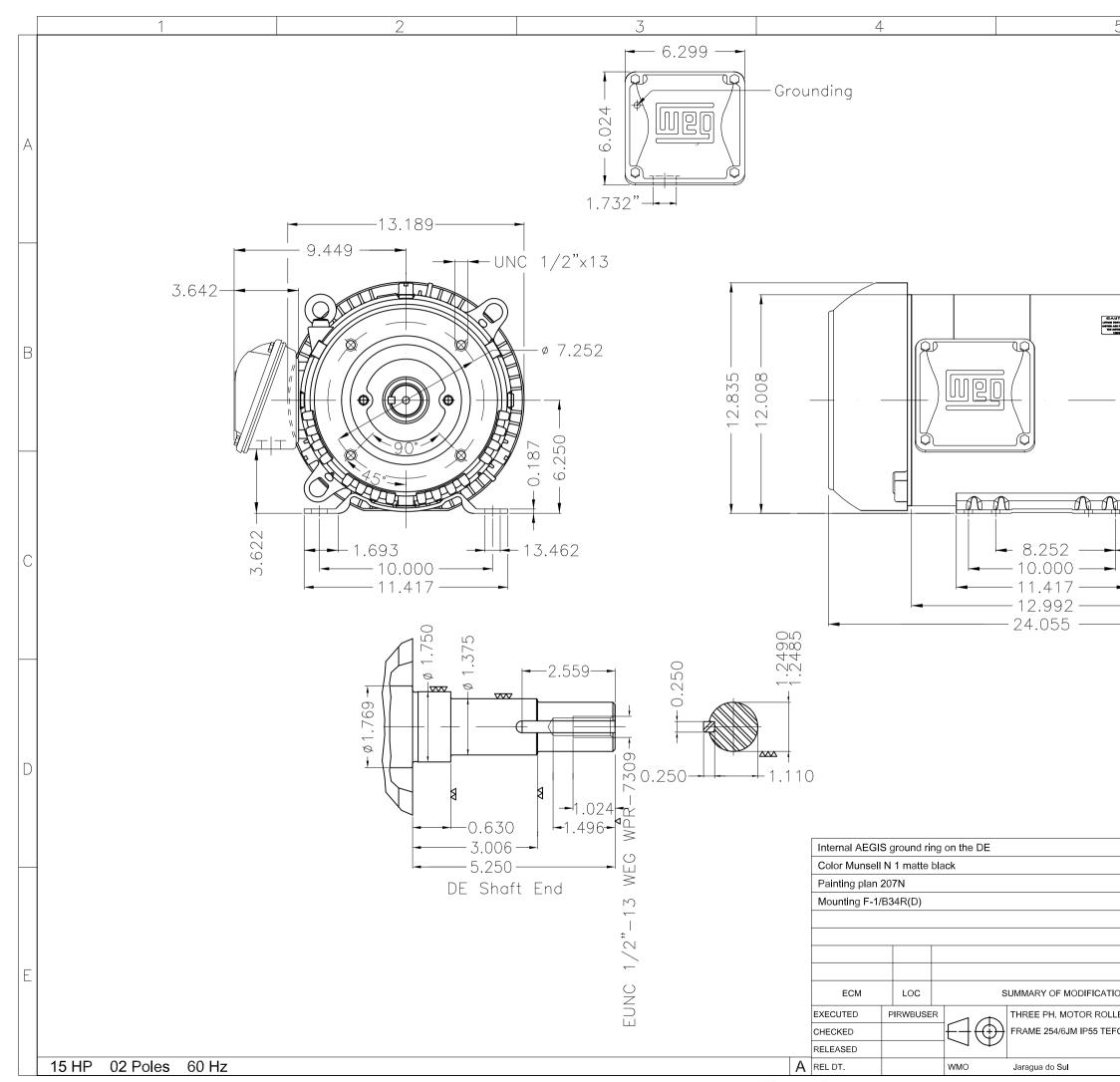
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5 6	Dimensions in inches
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