# DATA SHEET

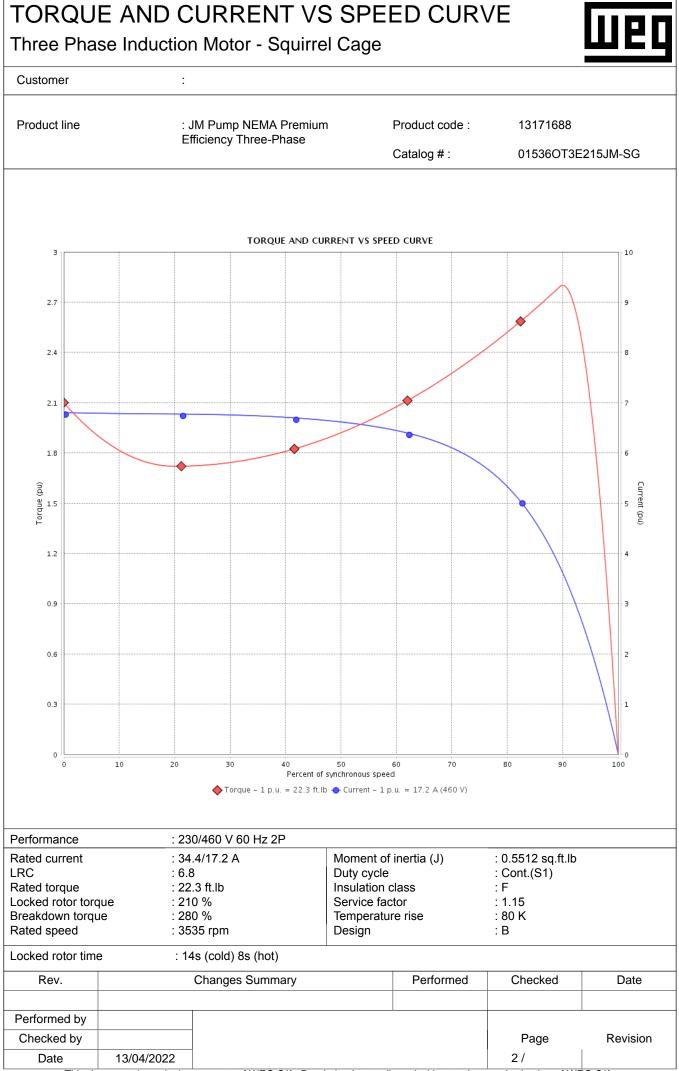
Three Phase Induction Motor - Squirrel Cage

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#### Customer

		: JM Pump NEMA Premiun Efficiency Three-Phase	n Product code :	13171688			
		Lindency Three-I hase	Catalog # :	01536OT3E2	01536OT3E215JM-SG		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 213/5JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup>	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 143 lb			
Design		: B	Moment of inertia (J)	: 0.5512 sq.f	: 0.5512 sq.ft.lb		
Output [HP]		15	15		15		
Poles		2	2		2		
Frequency [Hz]		60	50		50		
Rated voltage [V] Rated current [A]		230/460 34.4/17.2		190/380 220/41 42.0/21.0 27.0/20			
L. R. Amperes [A]		234/117	227/113	42.0/21.0 37.9/20. 227/113 227/12			
L. R. Amperes [A] LRC [A]		6.8x(Code G)	5.4x(Code E)		Code F)		
LRC [A] No load current [A	1	12.3/6.17	5.4x(Code E)				
Rated speed [RPN		3535	2905				
Slip [%]	<u>v1</u>	1.81	3.17		.00		
Rated torque [ft.lb]	1	22.3	27.1				
Locked rotor torqu		22.3	160	27.1 180			
Breakdown torque		280	200		229		
Service factor	[/v]	1.15	1.00		.00		
Temperature rise		80 K	105 K		80 K		
Locked rotor time		14s (cold) 8s (hot)	Os (cold) Os (hot)		I) 0s (hot)		
Noise level <sup>2</sup>		66.0 dB(A)	64.0 dB(A)		dB(A)		
	25%	90.1	91.3		1.3		
	50%	90.2			0.1		
Efficiency (%)	75%	90.2			9.3		
	100%	90.2	0.2         90.2           0.2         88.9           0.2         87.6           50         0.57           .77         0.83		7.8		
	25%	0.50			.52		
	50%	0.30			.79		
Power Factor	75%	0.86	0.89		.87		
	100%	0.89	0.91		.90		
Bearing type Sealing	1	<u>Drive end</u> <u>Non drive e</u> : 6209 ZZ 6206 ZZ : Without Without Bearing Seal Bearing S	Max. traction Max. compression	: 280 lb : 422 lb			
Lubrication interv		:					
Lubricant amount Lubricant type		: : Mobil Polyrex EM					
Notes USABLE @208V	38.0A SF 1.	00 SFA 38.0A					
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	aces and can ed. totor from the Im and with to weight subject ocess.	ncel the previous one, which	These are average values power supply, subject to th MG-1.				
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and can ed. totor from the Im and with to weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the				
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and can ed. totor from the Im and with to weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after	power supply, subject to th MG-1.	ne tolerances stipul:	ated in NEMA		
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	aces and can ed. totor from the Im and with to weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after	power supply, subject to th MG-1.	ne tolerances stipul:	ated in NEMA		
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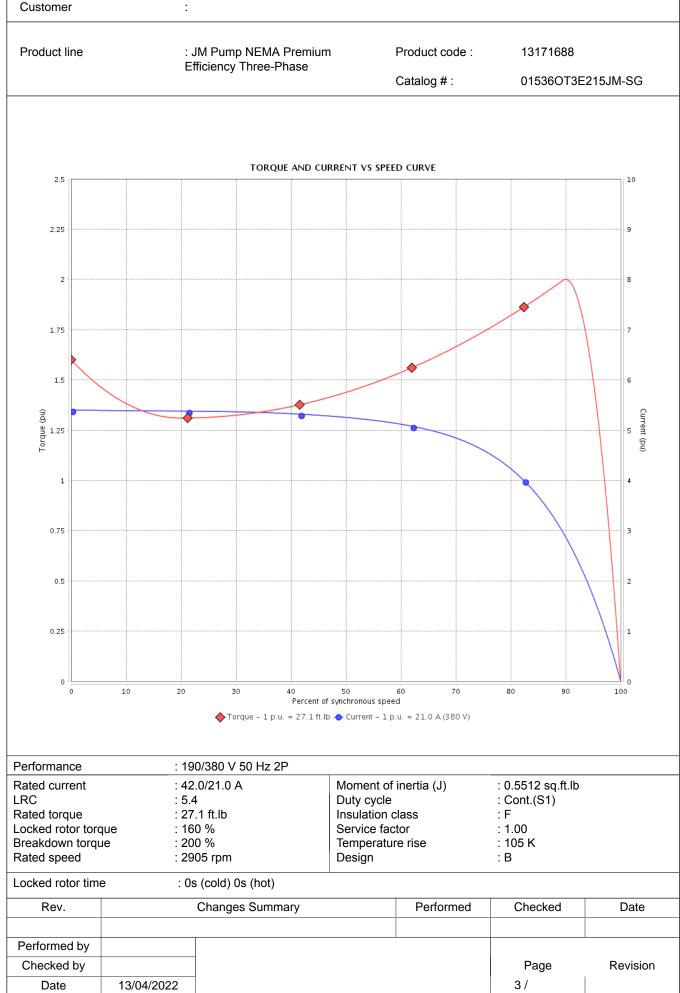


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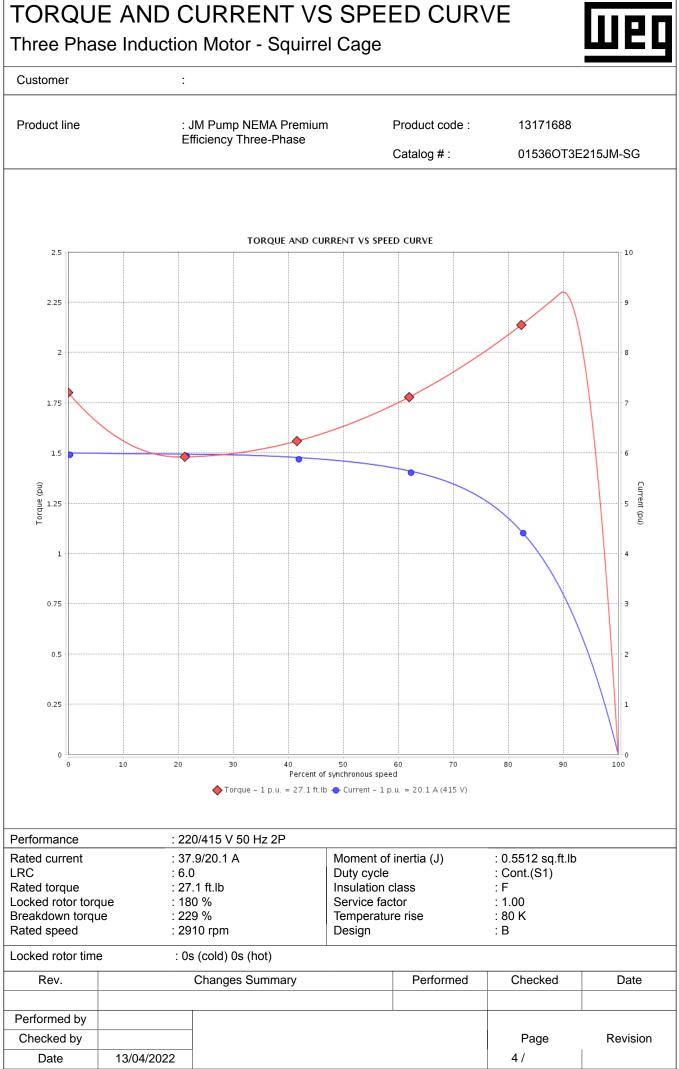
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



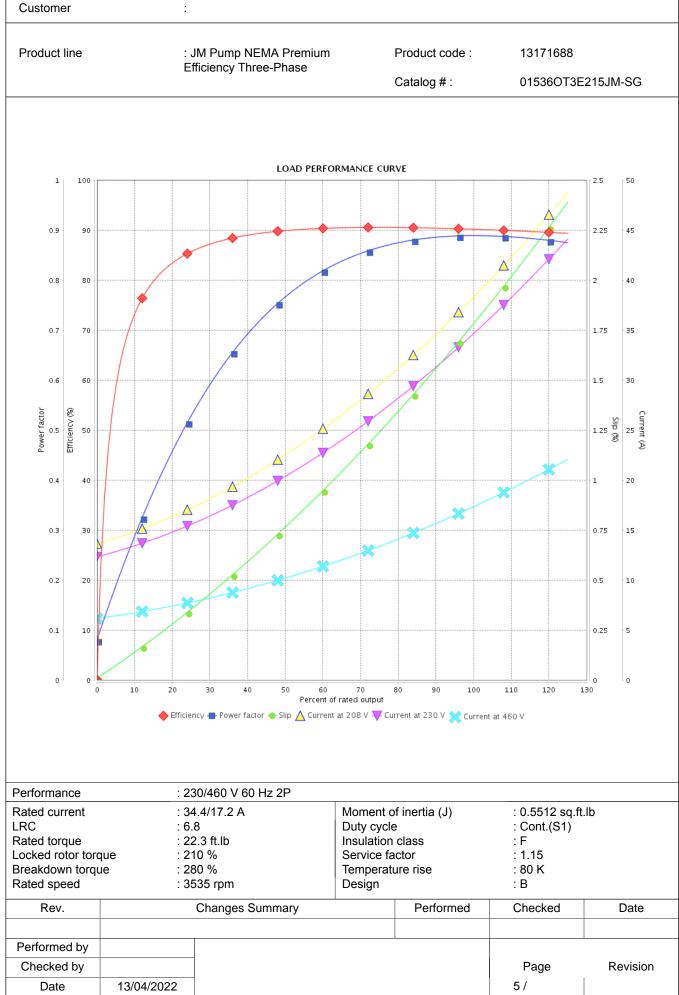
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## LOAD PERFORMANCE CURVE

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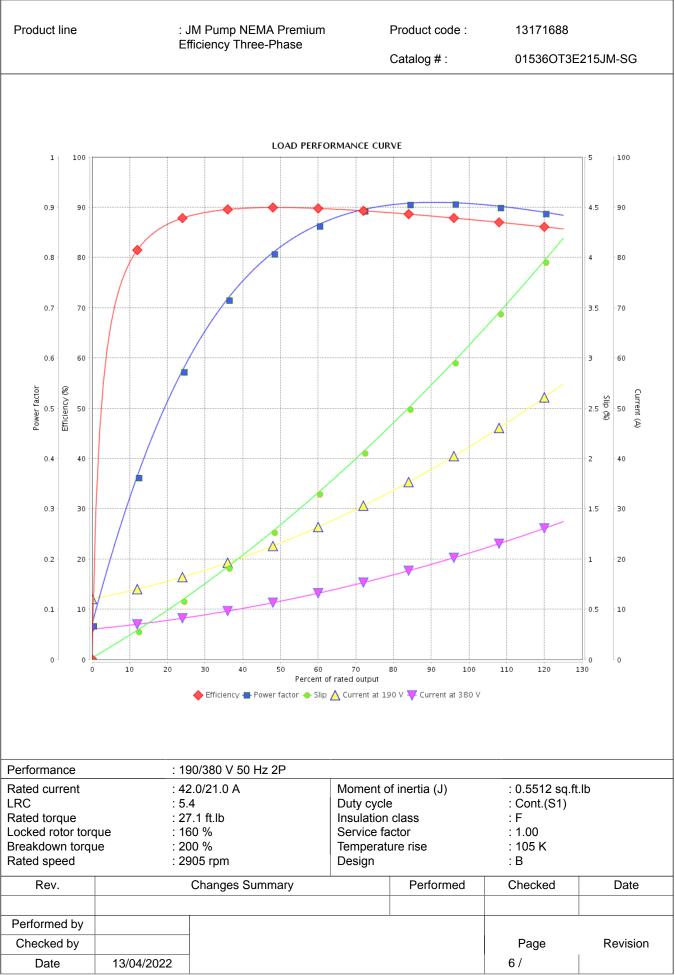
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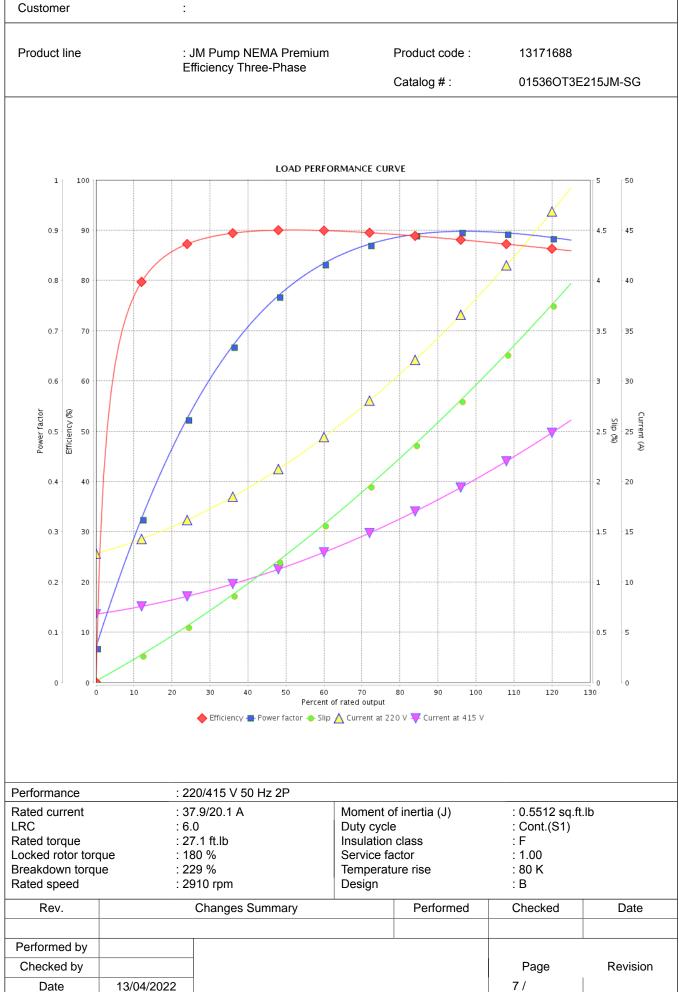
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## LOAD PERFORMANCE CURVE

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## THERMAL LIMIT CURVE

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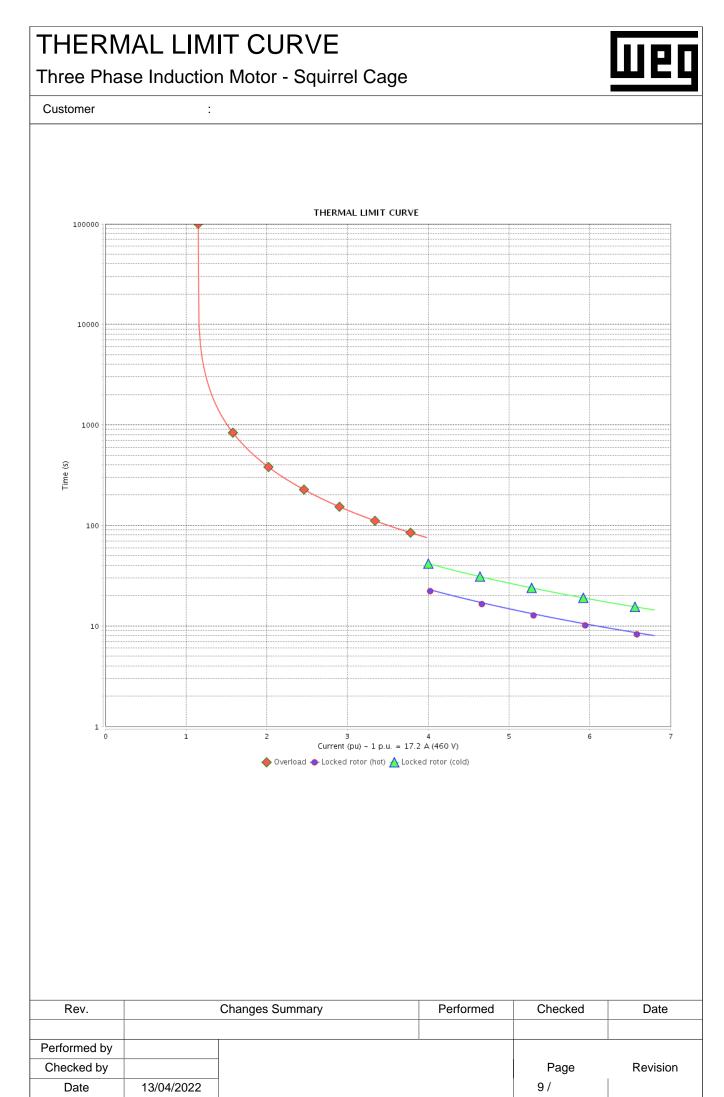
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Customer

Product line	:. F	JM Pump NEMA Premium fficiency Three-Phase	Product code :		13171688		
	L			Catalog # :	01536OT3E	215JM-SG	
Performance		30/460 V 60 Hz 2P					
LRC Rated torque Locked rotor torque Breakdown torque		: 34.4/17.2 A       Moment of         : 6.8       Duty cycl         : 22.3 ft.lb       Insulation         : 210 %       Service fa         : 280 %       Temperation         : 3535 rpm       Design		class ctor	: 0.5512 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	: F : 1.15 : 80 K	
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				8 /		

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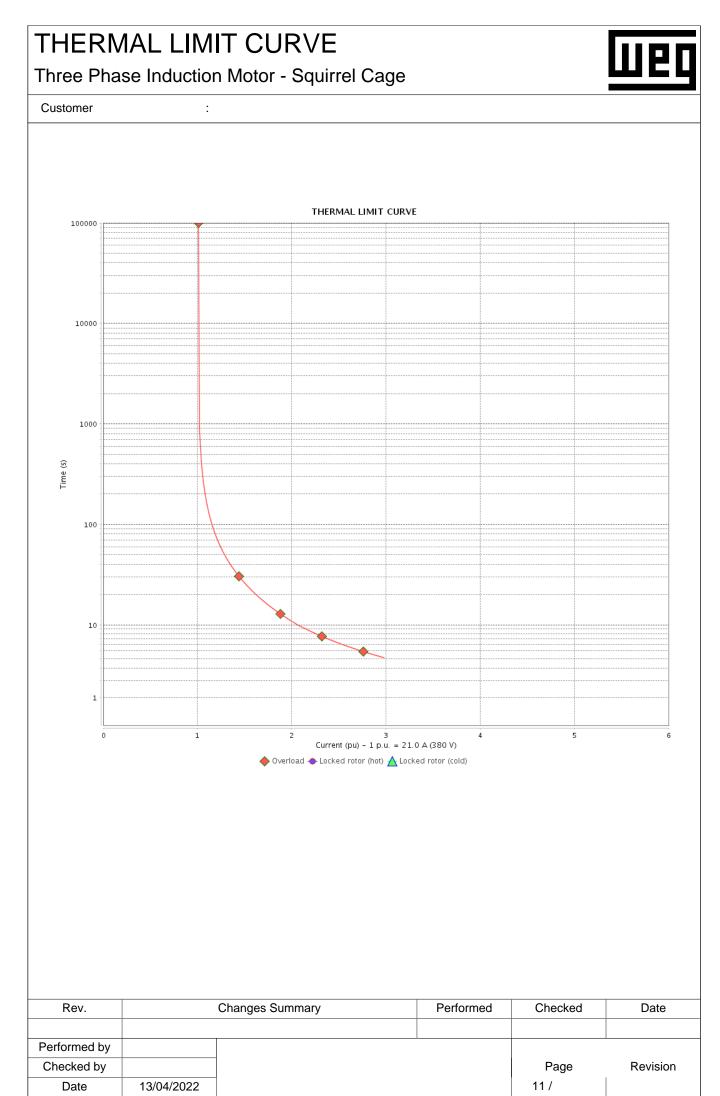


Customer

Product line		: JM Pump NEMA Premium		Product code :	13171688		
	E	Efficiency Three-Phase		Catalog # :	01536OT3E	01536OT3E215JM-SG	
Performance		90/380 V 50 Hz 2P					
Rated current LRC	: 42 : 5.	2.0/21.0 A	Moment of Duty cycle	of inertia (J)	: 0.5512 sq.ft. : Cont.(S1)	lb	
Rated torque		7.1 ft.lb	Insulation	class	: F		
Locked rotor torc		60 %	Service fa		: 1.00		
Breakdown torqu		00 %	Temperate	ure rise	: 105 K		
Rated speed	. 28	905 rpm	Design		: B		
Heating constant							
Cooling constant				· - · ·			
Rev.		Changes Summary		Performed	Checked	Date	
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## THERMAL LIMIT CURVE

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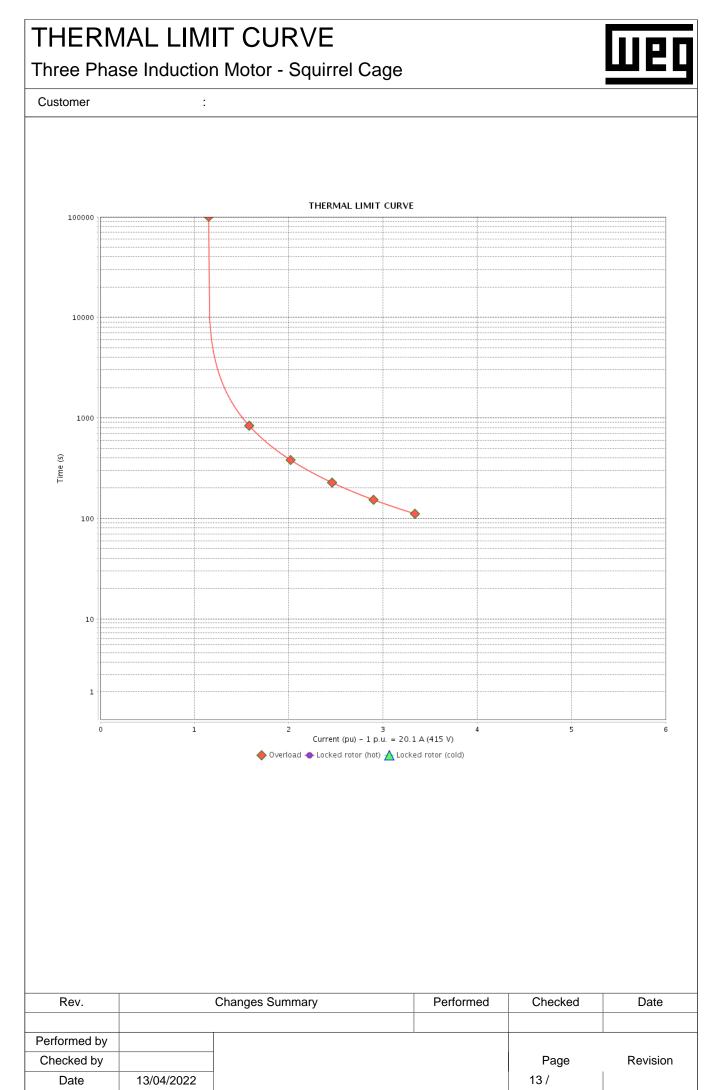


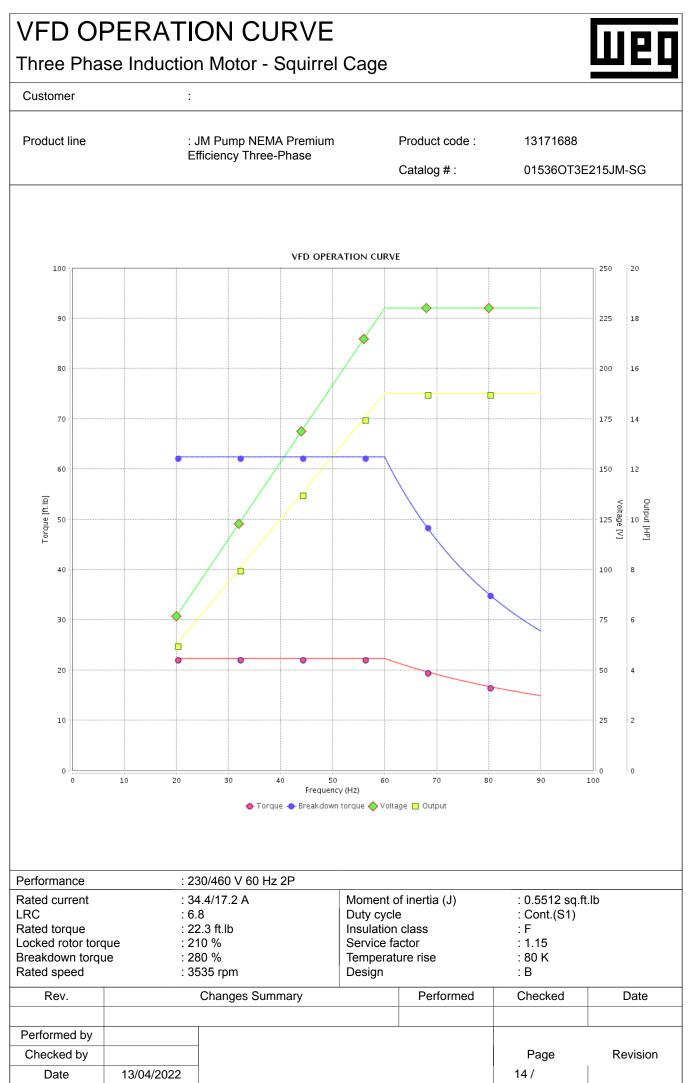
Customer

Product line	:	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13171688		
	E			Catalog # :	01536OT3E	215JM-SG	
Performance	· 2	20/415 V 50 Hz 2P					
Rated current				of inertia (J)	: 0.5512 sa ft	: 0.5512 sq.ft.lb	
		: 6.0 Duty cyc		e	: Cont.(S1)	: Cont.(S1)	
Rated torque		7.1 ft.lb	Insulation		: F		
Locked rotor toro Breakdown torqu		80 % 29 %	Service fa Temperati		: 1.00 : 80 K		
Rated speed		910 rpm	Design		: B		
			0				
Heating constan							
Cooling constan Rev.	L	Changes Summary		Performed	Checked	Date	
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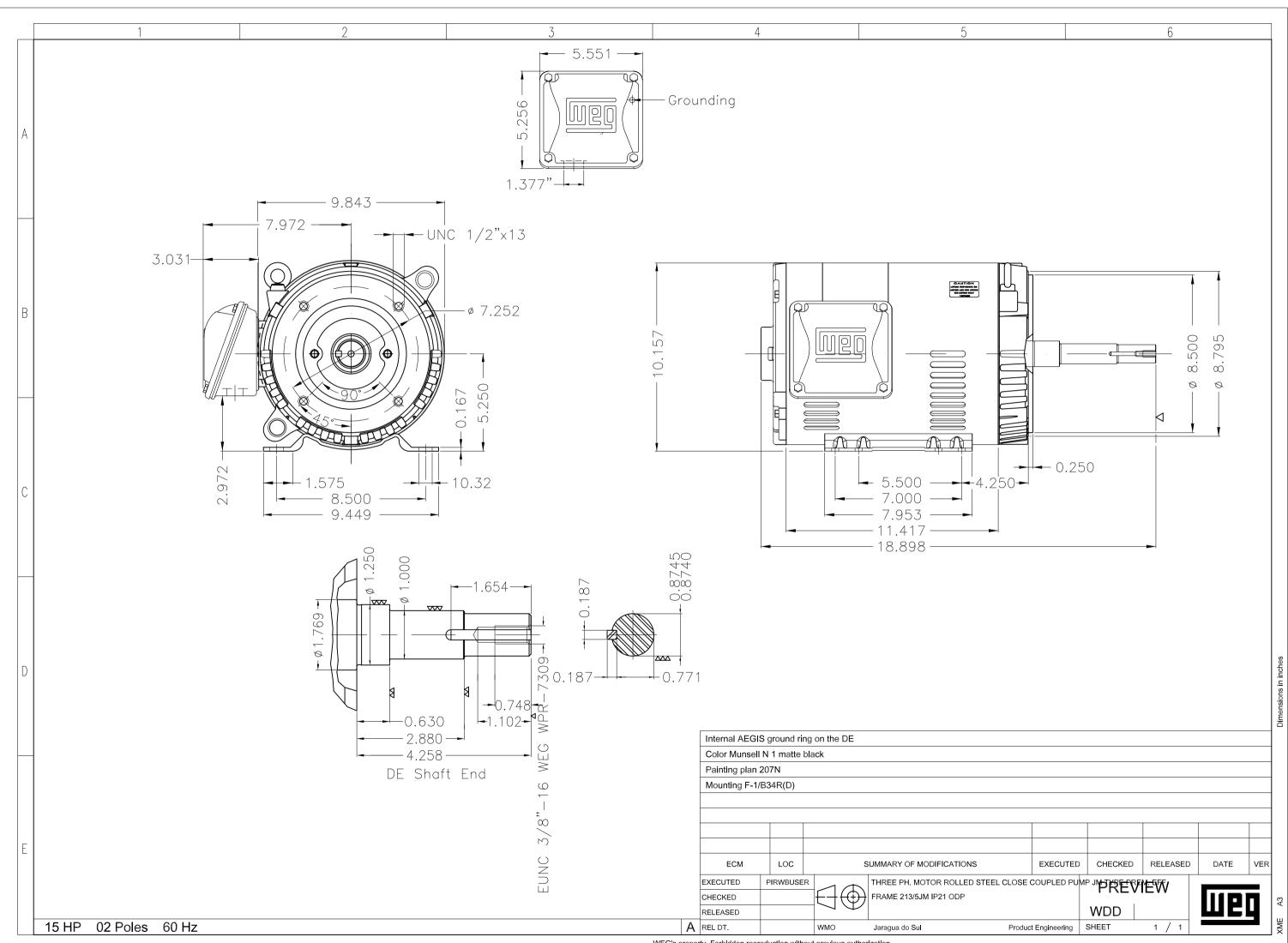
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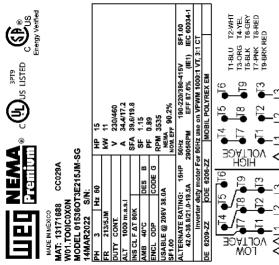




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choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre

chocks. Disconnect power source before servicing unit. NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

