DATA SHEET

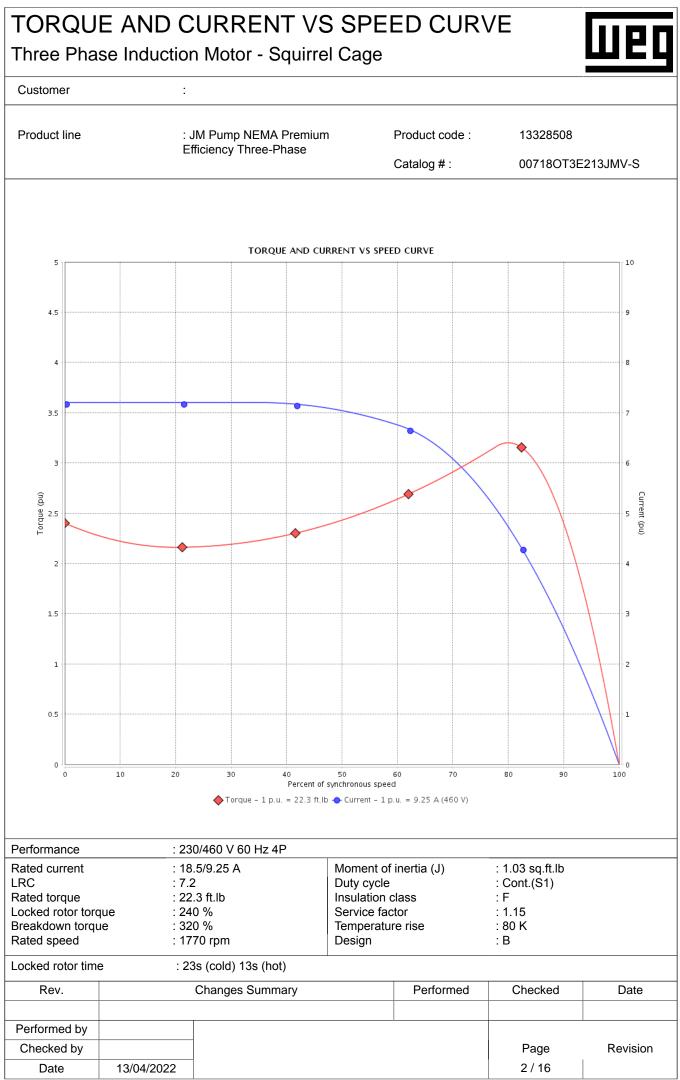
Three Phase Induction Motor - Squirrel Cage

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Customer

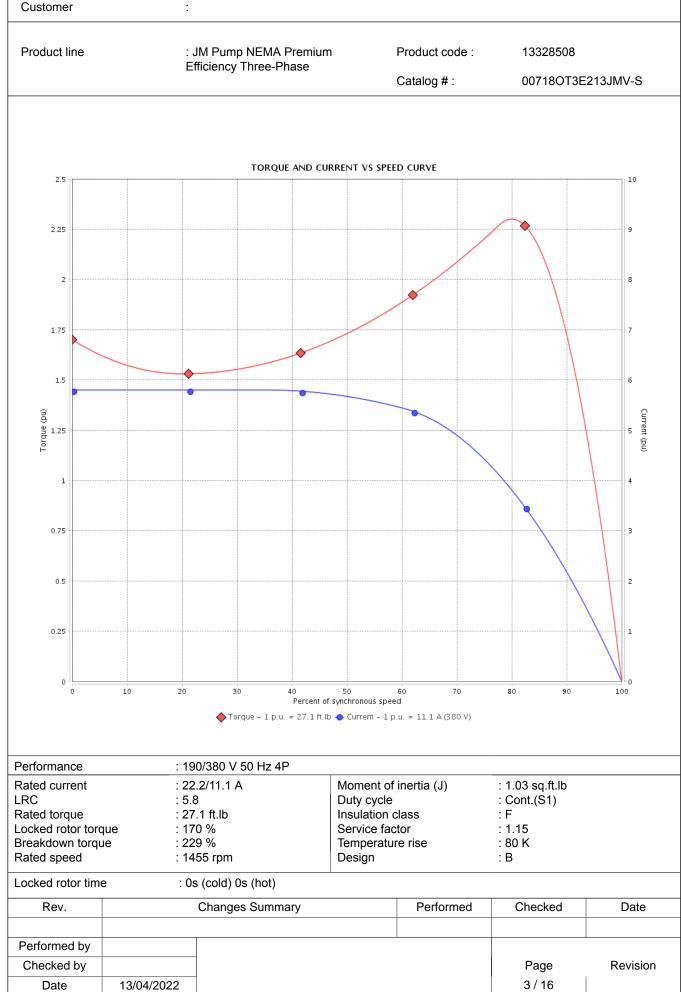
Frame: 213/5JMInsulation class: FDuty cycle: Cont.(S1Ambient temperature: -20°C toAltitude: 1000 m.aDesign: BOutput [HP]PolesPoles:Frequency [Hz]:Rated voltage [V]:Rated current [A]:LRC [A]:No load current [A]:Rated speed [RPM]Slip [%]:Rated torque [ft.lb]:Locked rotor torque [%]Breakdown torque [%]Service factor:Temperature rise:Locked rotor time:23% (cPower Factor:75%:100%:Power Factor:Sealing:Without:Bearing type <td:< td="">Sealing:Uubrication interval<td:< td="">Lubrication interval<td:< td="">Lubrication interval<td:< td="">Lubrication interval<td:< td="">Lubrication interval<td:< td="">Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:Lubrication interval:This revision replaces and cancel the previ</td:<></td:<></td:<></td:<></td:<></td:<>	+40°C	Catalog # : Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		3JMV-S		
Insulation class: FDuty cycle: Cont.(S1Ambient temperature: -20°C toAltitude: 1000 m.aDesign: BOutput [HP]PolesPoles:Frequency [Hz]:Rated voltage [V]:Rated voltage [V]:Rated current [A]:R. Amperes [A	+40°C .s.l. 7.5	Mounting Rotation ¹ Starting method Approx. weight ³	: W-6 : Both (CW and			
Duty cycle: Cont.(S1Ambient temperature: -20°C toAltitude: 1000 m.aDesign: BDutput [HP]:Poles:Frequency [Hz]:Rated voltage [V]:Rated voltage [V]:Rated current [A]:1 R. Amperes [A]:1 Cocked rotor time:2 <t< td=""><td>+40°C .s.l. 7.5</td><td>Mounting Rotation¹ Starting method Approx. weight³</td><td>: Both (CW and</td><td></td></t<>	+40°C .s.l. 7.5	Mounting Rotation ¹ Starting method Approx. weight ³	: Both (CW and			
Ambient temperature: -20°C toAltitude: 1000 m.aDesign: BDutput [HP]PolesFrequency [Hz]Rated voltage [V]Rated voltage [V]: ARated current [A]: 1R. Amperes [A]: 2R. Amperes [A]: 2	+40°C .s.l. 7.5	Rotation ¹ Starting method Approx. weight ³				
Ambient temperature: -20°C toAltitude: 1000 m.aDesign: BDutput [HP]Polesrequency [Hz]Rated voltage [V]Rated voltage [V]Rated current [A]R. Amperes [A]R. Amperes [A]R. Amperes [A]R. Amperes [A]Rated speed [RPM]Silip [%]Rated torque [ft.lb]	+40°C .s.l. 7.5	Approx. weight ³		: Both (CW and CCW)		
Altitude: 1000 m.aDesign: BDutput [HP]requency [Hz]Cated voltage [V]2Cated current [A]1. R. Amperes [A]7.2Io load current [A]8Cated speed [RPM]1Stated torque [ft.lb]5ocked rotor torque [%]5Service factor5emperature rise25%ocked rotor time23s (cIoise level²55Efficiency (%)50%Power Factor50%Power Factor50%SealingWithoutLubrication interval-Lubricant amount-Lubricant typeMotNotes208V 20.5A SF 1.00 SFA 20.5JThis revision replaces and cancel the prevision	7.5	Approx. weight ³	. Direct Off Line	: Direct On Line		
Dutput [HP]Image: Constraint of the second state of the seco			: 124 lb			
Poles Image: Construct of the second se			: 1.03 sq.ft.lb			
Poles Image: Constraint of the second state of		7.5	7.5			
Frequency [Hz]Image: Constraint of the second state of the s	4	4	4)		
Rated voltage [V] 2 Rated current [A] 1 R. Amperes [A] 1 R. Amperes [A] 7.2 Jo load current [A] 8 Rated speed [RPM] 8 Rated speed [RPM] 8 Silip [%] 8 Rated torque [ft.lb] 0 Joicked rotor torque [%] 8 Breakdown torque [%] 8 Breakdown torque [%] 8 Service factor 9 Emperature rise 0 ocked rotor time 23s (c Joise level ² 55% Efficiency (%) 75% Power Factor 50% Power Factor 50% Bearing type 6209 Z Sealing Without Bearing S Lubrication interval - Lubricant amount - Lubricant type Motes USABLE @208V 20.5A SF 1.00 SFA 20.5A	60	50	50			
Rated current [A] 1 R. Amperes [A] 1 R. Amperes [A] 1 R. [A] 7.2 No load current [A] 8 Rated speed [RPM] 8 Silip [%] Rated torque [ft.lb] ocked rotor torque [%] 3 Breakdown torque [%] 3 Breakdown torque [%] 3 Service factor 5 Cecked rotor time 23s (c Noise level ² 55 ocked rotor time 23s (c Noise level ² 55 ocked rotor time 23s (c Noise level ² 55 ocked rotor time 23s (c Noise level ² 55 ocked rotor time 25% ocked rotor ocked roto ocked rotor ocked roto <	230/460	190/380	220/4			
R. Amperes [A] 1 R. Amperes [A] 7.2 Io load current [A] 8 Rated speed [RPM] 8 Slip [%] 8 Rated torque [ft.lb] 0 cked rotor torque [%] 8 Breakdown torque [%] 8 Breakdown torque [%] 8 Service factor 9 emperature rise 0 cked rotor time 23s (c Noise level ² 55 cked rotor time 23s (c Noise level ² 55 cked rotor time 23s (c cked rotor time 25% cked rotor time 25% cked rotor time 25% cked rotor 50% cked rotor 50% dked rotor 50% dked rotor 6209 Z Sealing dked rotor dked rotor d	8.5/9.25	22.2/11.1	220/4			
RC [A] 7.2 Io load current [A] 8 Rated speed [RPM] 8 Slip [%] 8 Rated torque [ft.lb] 0 Ocked rotor torque [%] 8 Breakdown torque [%] 8 Breakdown torque [%] 8 Service factor 9 Emperature rise 0 Ocked rotor time 23s (c Ioise level ² 59 Efficiency (%) 50% Power Factor 50% Power Factor 50% Power Factor 50% Sealing 100% Lubrication interval - Lubrication interval - Lubricant amount - Lubricant type Mol Notes 208V 20.5A SF 1.00 SFA 20.5A USABLE @208V 20.5A SF 1.00 SFA 20.5A						
No load current [A] 8 Rated speed [RPM] 8 Slip [%] 8 Rated torque [ft.lb] 9 Sceed rotor torque [%] 9 Breakdown torque [%] 9 Breakdown torque [%] 9 Breakdown torque [%] 9 Service factor 9 cocked rotor time 23s (c Noise level ² 59 25% 9 Efficiency (%) 75% 100% 100% Power Factor 50% 75% 100% Bearing type 6209 Z Sealing 100% Lubrication interval - Lubricant amount - Lubricant type Mot Notes 208V 20.5A SF 1.00 SFA 20.5A USABLE @208V 20.5A SF 1.00 SFA 20.5A	33/66.6	129/64.4		130/68.9 6 5x(Code H)		
Rated speed [RPM] Rated torque [RPM] Slip [%] Rated torque [ft.lb] cocked rotor torque [%] Reakdown torque [%] Breakdown torque [%] Reakdown torque [%] Breakdown torque [%] Reakdown torque [%] Service factor Service factor Cocked rotor time 23s (c Notes 25% Power Factor Sealing Power Factor Sealing Bearing type Sealing Sealing Without Bearing Sealing Lubrication interval - Lubricant amount - Lubricant type Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the previous concerts and	x(Code H)	5.8x(Code G)		6.5x(Code H)		
Slip [%] Rated torque [ft.lb] Rated torque [tt.lb] Reakdown torque [%] Breakdown torque [%] Reakdown torque [%] Breakdown torque [%] Reakdown torque [%] Service factor 23s (c Reakdown torque rise 23s (c Socked rotor time 23s (c Notes 25% USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the prevision	.79/4.39	8.64/4.32		8.88/4.71		
Rated torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Service factor Service factor service factor Service factor service factor Service factor time 23s (c Socked rotor time 23s (c Joise level ² 59 Efficiency (%) 50% Power Factor 50% Power Factor 50% Bearing type 6209 Z Sealing Withou Bearing type 6209 Z Sealing Withou Bearing type Motes Lubrication interval - Lubricant type Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the prevision	1770	1455	146			
ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor emperature rise ocked rotor time 23s (c Noise level ² 56 Efficiency (%) 25% Power Factor 50% Power Factor 50% Bearing type 50% Sealing Withou Lubrication interval - Lubricant amount - Lubricant type Mot Notes 208V 20.5A SF 1.00 SFA 20.5A	1.67	3.00	2.67			
Breakdown torque [%] Service factor Temperature rise Jocked rotor time 23s (c Noise level ² 59 Efficiency (%) 25% Power Factor 50% Power Factor 50% Bearing type 50% Sealing Withou Lubrication interval - Lubricant amount - Lubricant type Mot Notes 208V 20.5A SF 1.00 SFA 20.5A	22.3	27.1		27.0		
Service factor Image: Construct and the service factor Temperature rise 23s (construction and the service factor) Jocked rotor time 23s (construction and the service factor) Efficiency (%) 25% Efficiency (%) 50% Power Factor 50% Bearing type 50% Sealing Without Bearing Sealing Lubrication interval - Lubricant amount - Lubricant type Mot Notes 208V 20.5A SF 1.00 SFA 20.5A	240	170		190		
Temperature rise 23s (c Joise level ² 59 Efficiency (%) 25% Power Factor 25% Bearing type 50% Sealing 25% Lubrication interval - Lubrication interval - Lubricant amount - Lubricant type Mot Notes 208V 20.5A SF 1.00 SFA 20.5A	320	229		250		
Locked rotor time 23s (c Noise level ² 55 Efficiency (%) 25% 75% 100% Power Factor 50% Bearing type 50% Sealing Withou Lubrication interval - Lubricant amount - Lubricant type Mot Notes 208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the prevision 100%	1.15	1.15	1.1			
Noise level ² 55 Efficiency (%) 25% 50% 100% Power Factor 25% Bearing type 50% Sealing Withous Lubrication interval - Lubrication interval - Lubricant amount - Lubricant type Mol Notes 208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the prevision Ferritian	80 K	80 K	80 H			
Efficiency (%) 25% 50% 100% Power Factor 25% 50% 100% Power Factor 50% 75% 100% Bearing type : 6209 Z Sealing : Without Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the previous 50%	old) 13s (hot)	Os (cold) Os (hot)	Os (cold) (
Efficiency (%) 50% 75% 100% Power Factor 25% 75% 100% Bearing type : 6209 Z Sealing : Withou Bearing type : 6209 Z Sealing : Withou Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	9.0 dB(A)	56.0 dB(A)	56.0 di			
Efficiency (%) 75% 100% 100% Power Factor 50% 75% 100% Bearing type : 6209 Z Sealing : Without Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	88.6	90.4	89.6			
75% 100% 25% 50% 75% 100% Bearing type 6209 Z Sealing Withou Lubrication interval - Lubricant amount - Lubricant type Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	89.5	88.9	88.6			
25% 50% 75% 100% Bearing type 6209 Z Sealing Withous Bearing type 6209 Z Sealing Withous Lubrication interval - Lubricant amount - Lubricant type Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	90.2	88.5	88.			
50% 75% 100% Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type : Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	91.0	86.7	87.4			
Power Factor 75% 100% Integration Bearing type : 6209 Z Sealing : Without Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mol Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the previous	0.39	0.46	0.42			
75% 100% Bearing type : 6209 Z Sealing : Without Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	0.65	0.73	0.69			
Bearing type : 6209 Z Sealing : Withou Bearing S : Withou Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the previous	0.77	0.83	0.80			
Bearing type : 6209 Z Sealing : Without Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A This revision replaces and cancel the previous	0.82	0.87	0.86	6		
Sealing : Withou Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mot Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	d Non drive end	Foundation loads				
Bearing S Lubrication interval : - Lubricant amount : - Lubricant type : Mol Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	Z 6206 ZZ	Max. traction				
Lubrication interval : - Lubricant amount : - Lubricant type : Mol Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	ut Without	Max. compression	: 442 lb	: 442 lb		
Lubrication interval : - Lubricant amount : - Lubricant type : Mol Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	Seal Bearing Seal					
Lubricant type : Mol Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	-					
Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	-					
Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	oil Polyrex EM					
USABLE @208V 20.5A SF 1.00 SFA 20.5A	-	<u> </u>				
	¥					
 must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of + (3) Approximate weight subject to changes 		These are average value power supply, subject to t MG-1.				
manufacturing process. (4) At 100% of full load.	·3dB(A).					
Rev. Change	3dB(A). after					
	·3dB(A).	Performed	Checked	Date		
Performed by	3dB(A). after	Performed	Checked	Date		
Checked by	3dB(A). after	Performed				
Date 13/04/2022	3dB(A). after	Performed	Checked	Date Revision		



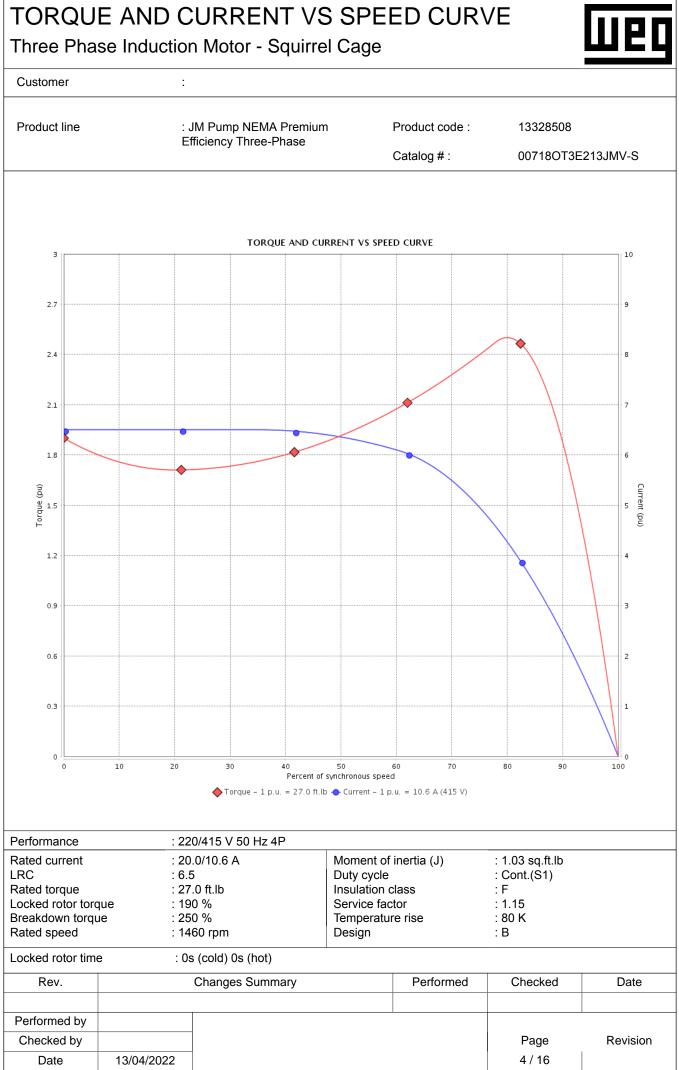
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



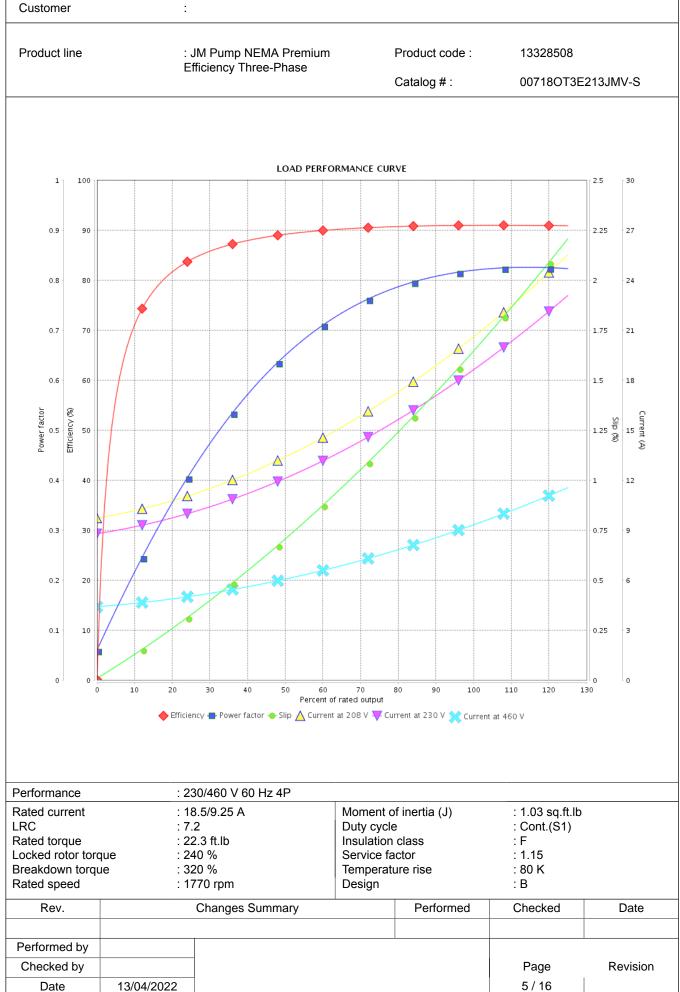
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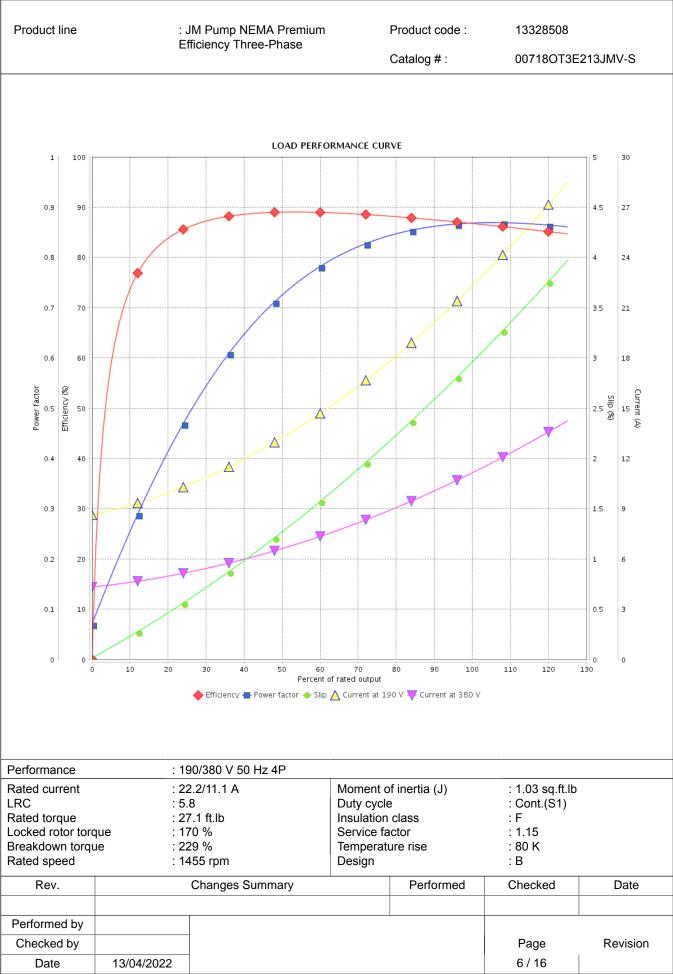
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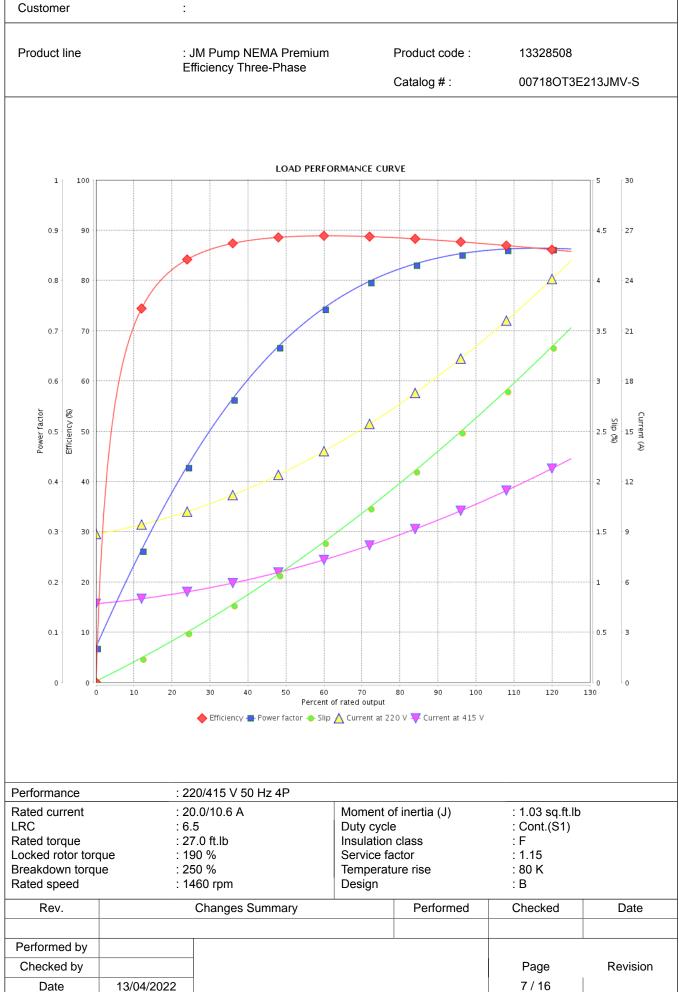
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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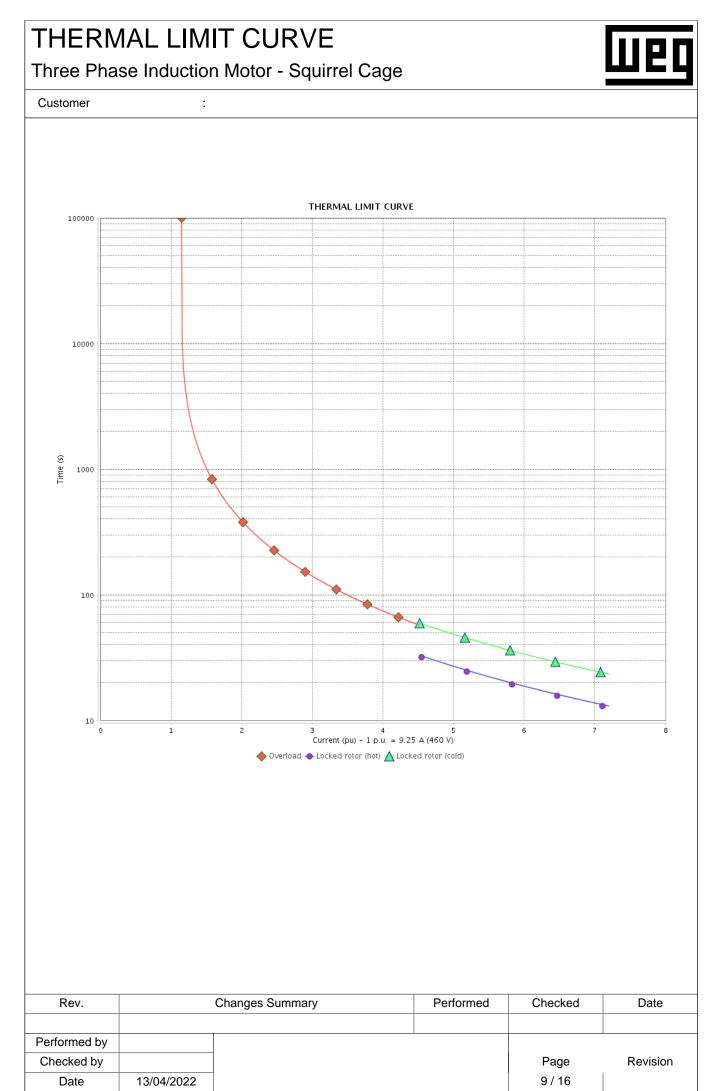


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13328508	
				Catalog # :	00718OT3E2	13JMV-S
Performance		30/460 V 60 Hz 4P				
Rated current LRC Rated torque	: 7.	8.5/9.25 A 2 2.3 ft.lb	Moment of Duty cycle Insulation		: 1.03 sq.ft.lb : Cont.(S1) : F	
Locked rotor torc	lue : 24	40 %	Service fa	ictor	: 1.15	
Breakdown torqu		20 %	Temperate	ure rise	: 80 K	
Rated speed		770 rpm	Design		: B	
Heating constant						
Cooling constant		Changes Summers		Dorformed	Checked	Data
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	13/04/2022				8 / 16	

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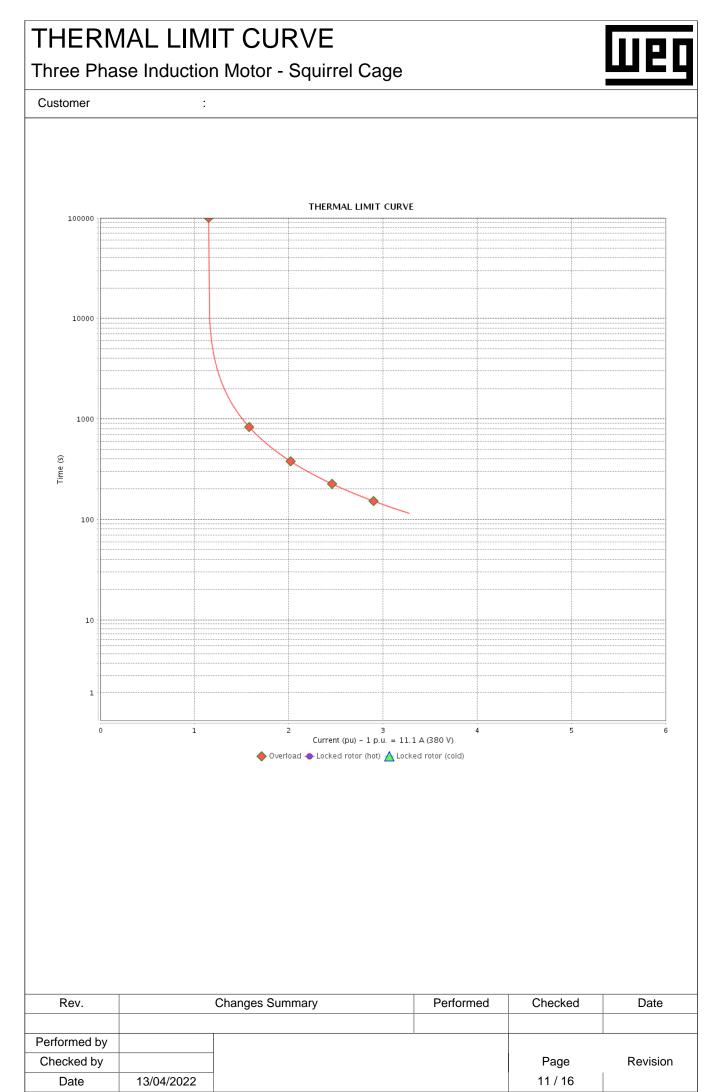


Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13328508	
				Catalog # :	00718OT3E2	13JMV-S
Performance	: 19	90/380 V 50 Hz 4P				
Rated current LRC	: 5.		Duty cycle		: 1.03 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torc		7.1 ft.lb 70 %	Insulation Service fa		: F : 1.15	
Breakdown torqu		29 %	Temperat		: 80 K	
Rated speed		455 rpm	Design		: B	
Heating constant						
Cooling constant		-		· _ ·		
Rev.		Changes Summary		Performed	Checked	Date
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Checked by]			Page	Revision
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Three Phase Induction Motor - Squirrel Cage

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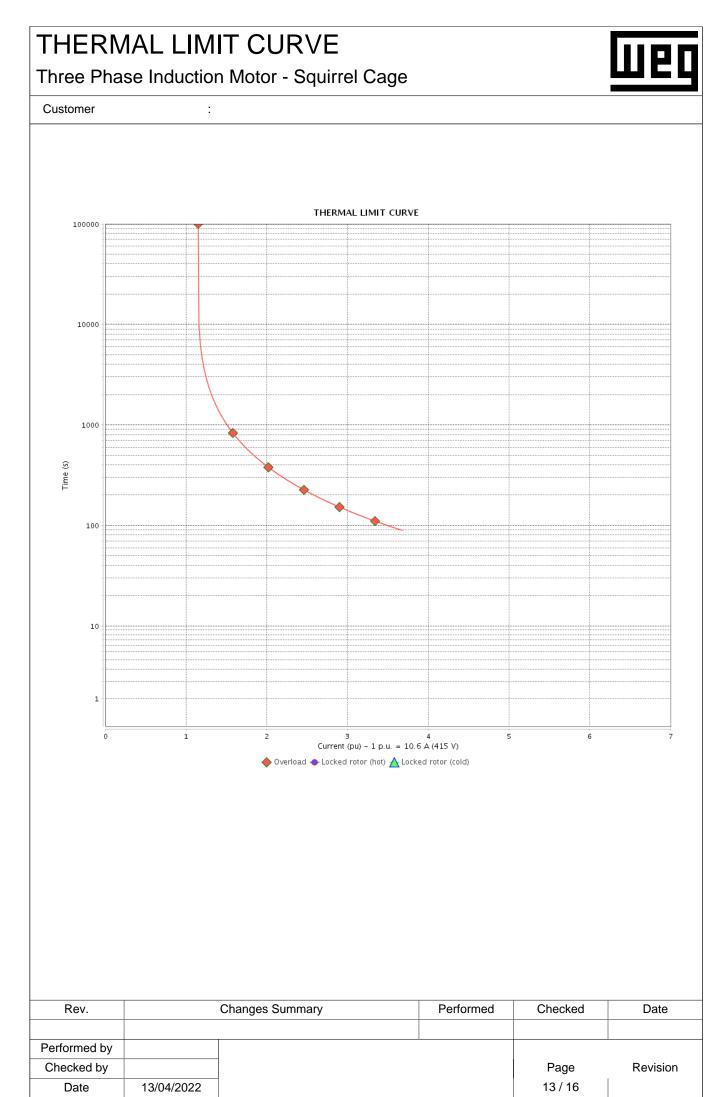


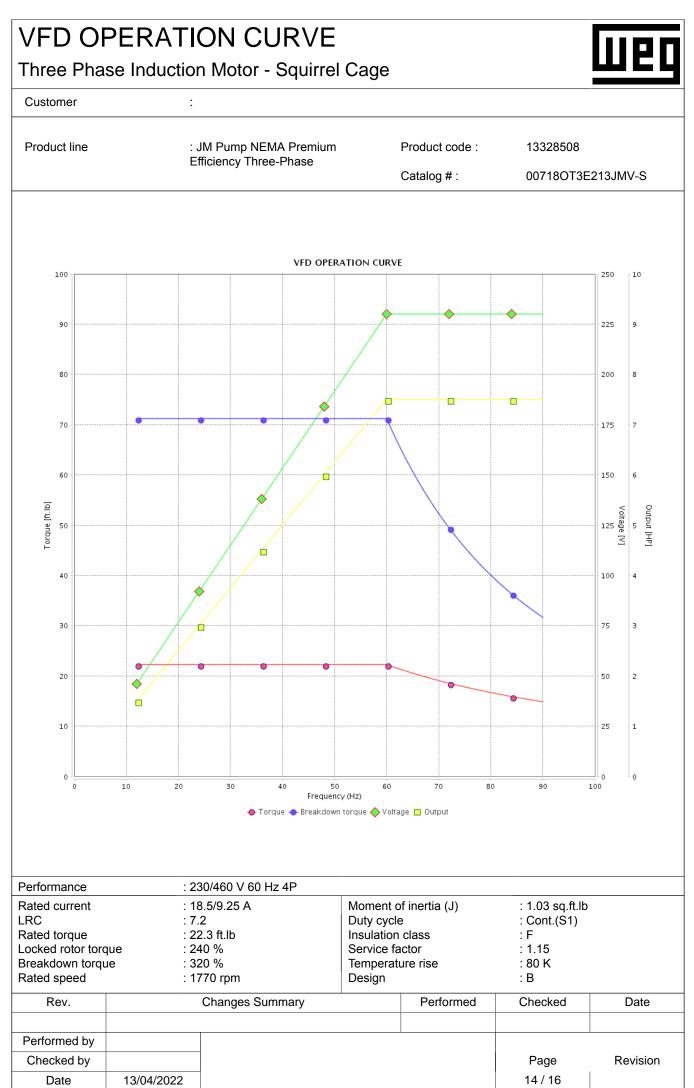
Customer

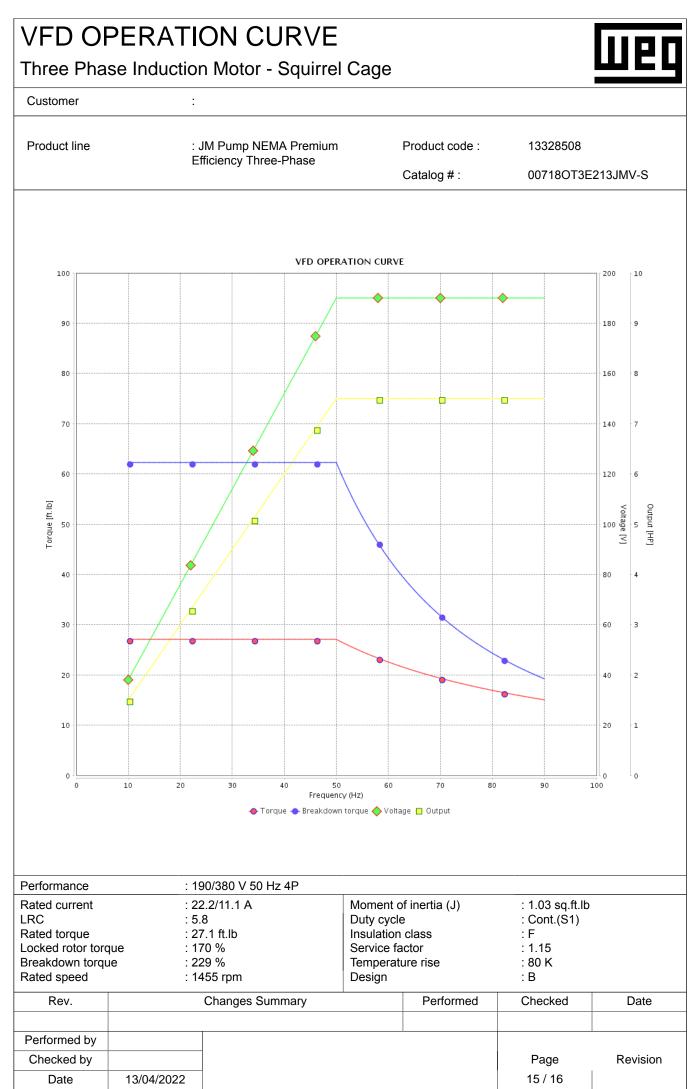
Product line : JM Pump NEMA Prem Efficiency Three-Phase		JM Pump NEMA Premium fficiency Three-Phase	m Product code : Catalog # :		13328508 00718OT3E2	213JMV-S	
Performance		20/415 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 6. : 2 jue : 19 ie : 29 : 14		Moment c Duty cycle Insulation Service fa Temperate Design	class ictor	: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant							
Cooling constant		Changes Summers		Dorformed	Checked	Data	
Rev.		Changes Summary		Performed	Checked	Date	
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Date	13/04/2022	-			12 / 16		

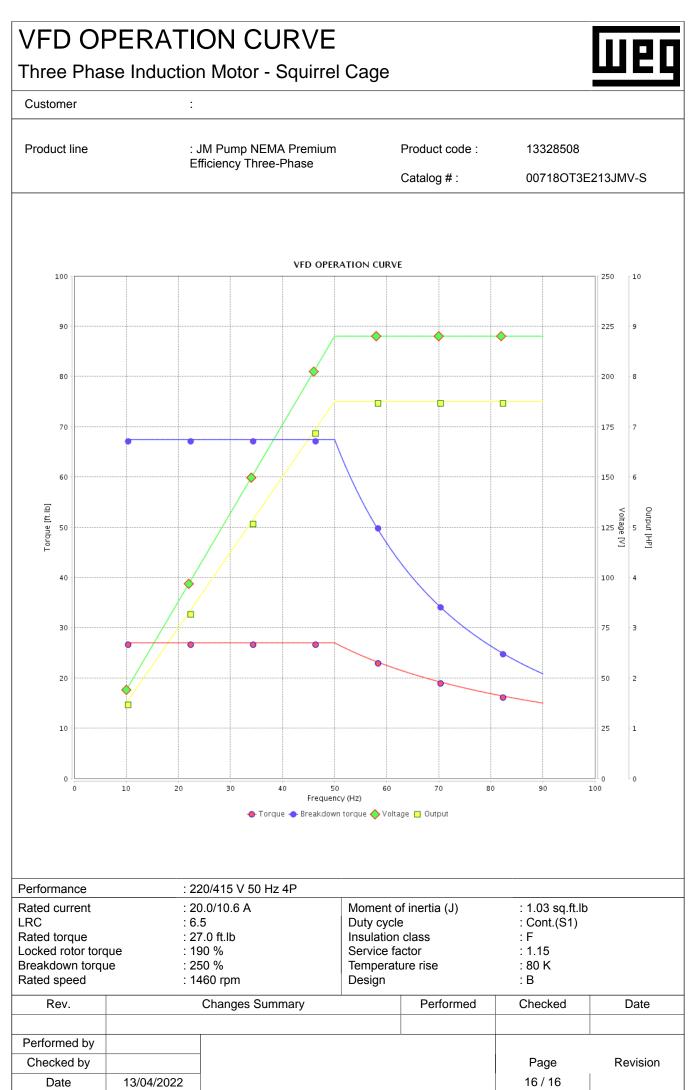
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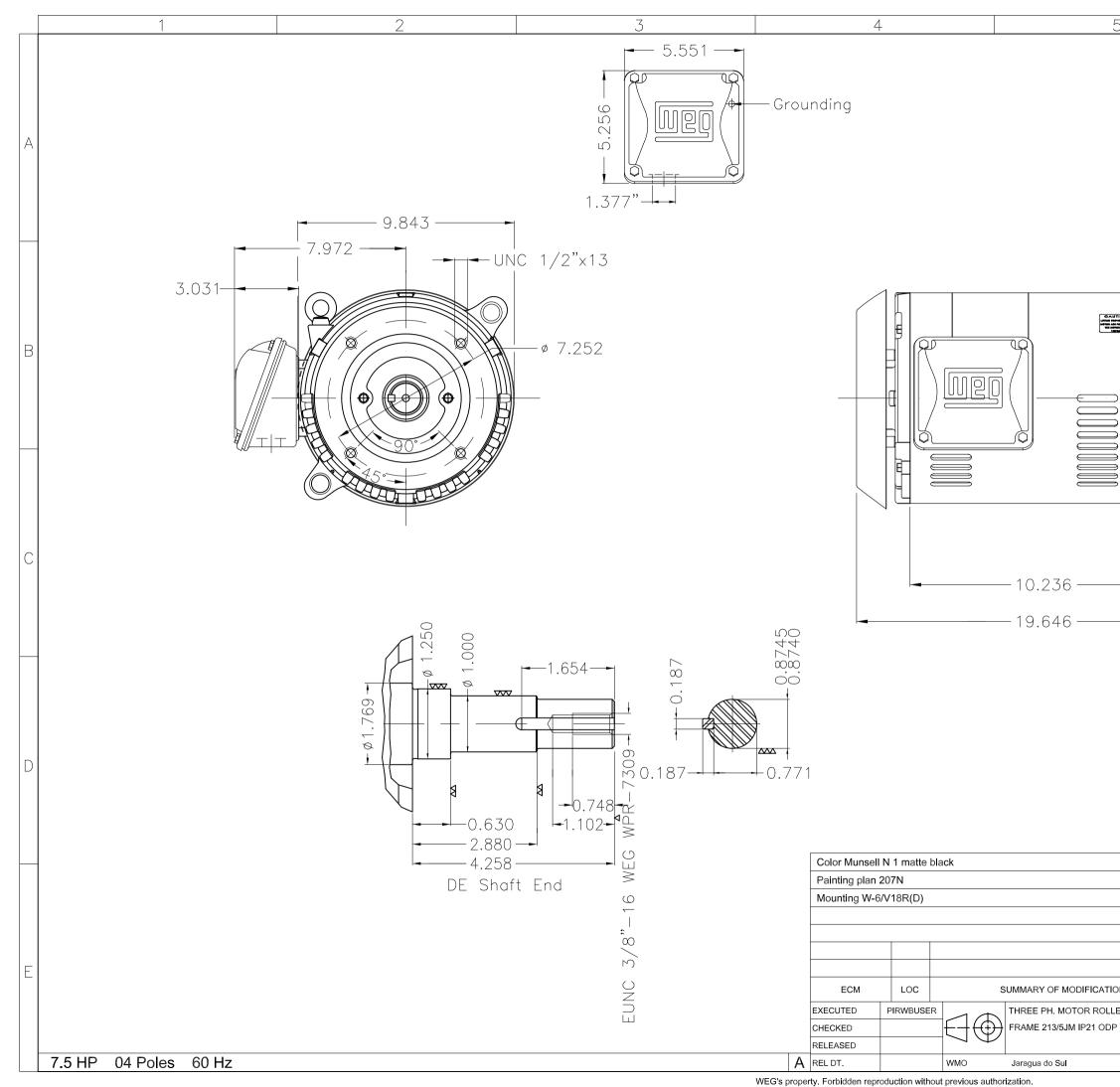




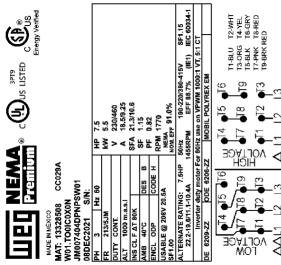




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5			6			
2			0			
	0.25					Dimensions in Inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL CLOSE		WDD		Ше		E A3
Produ	ct Engineering	SHEET	1 / 1			XME



conformément aux codes électriques locaux et nationaux afin d'éviter tout chocks. Disconnect power source before servicing unit. AVERTISSEMENT: Le moteur doit être mis à la terre and national electrical codes to prevent serious electrical

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine