# DATA SHEET

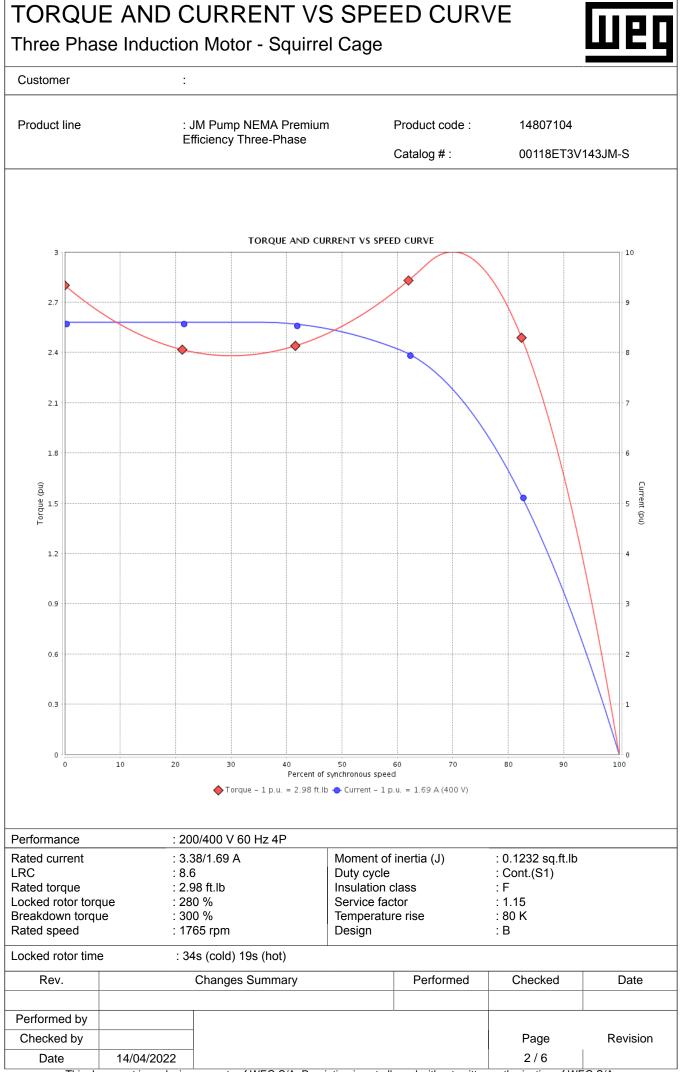
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Frame       : 143/5JM         Output       : 1 HP (0.75 kW)         Poles       : 4         Frequency       : 60 Hz         Rated voltage       : 200/400 V         Rated current       : 3.38/1.69 A         LR       : 3.61/1.69 A         LR       : 6.6x(Code M)         No load current       : 2.06/1.02 A         Rated surent       : 2.96/1.02 A         Rated storage       : 2.00/1.02 A         Rated storage       : 2.00 K (CW)         Slip       : 1.94 %         Slip       : 1.94 %         Rated torque       : 2.98 ft.lb         Locked rotor torque       : 280 %         Breakdown torque       : 280 %         Breakdown torque       : 300 %         Insulation class       : F         Service factor       : 1.15         Moment of inertia (J)       : 0.1232 sq.ft.lb         Design       : B         Output       25% 50% 75%       100%         Efficiency (%)       81.0       82.5         Power Factor       : 0.30       0.52       0.68         Ubricatin interval       : -       -         Lubricatin interval       : -       -     <			M Pump NEM ficiency Three		Product code : Catalog # :	14807104 00118ET3V143JM-S			
Output       25%       50%       75%       100%       Foundation loads         Efficiency (%)       81.0       82.5       84.0       85.5       Max. traction       : 57 lb         Power Factor       0.30       0.52       0.66       0.75       Max. compression       : 98 lb         Bearing type       :       VRing       Without Bearing Seal       Lubrication interval       :       -         Lubrication interval       :       -       -       -       -         Lubrication interval       :       -       -       -         Lubrication interval       :       -       -       -         Lubrication interval       :       -       -       -         Lubrication type       :       Mobil Polyrex EM       Notes         Notes       Mobil Polyrex EM       Notes       Mobil Polyrex EM         This revision replaces and cancel the previous one, which must be eliminated.       These are average values based on tests with sinusc power supply, subject to the tolerances stipulated in 1 MG-1.         (2) Measured at 1m and with tolerance of +3dB(A).       (3) Approximate weight subject to changes after manufacturing process.       MG-1.	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J)	: 1 : 4 : 6 : 2 : 3 : 2 : 8 : 2 : 1 : 1 : 1 : 2 : 2 : 3 : 5 : 1 : 1 : 0	HP (0.75 kW) 0 Hz 00/400 V .38/1.69 A 9.1/14.5 A .6x(Code M) .05/1.02 A 765 rpm .94 % .98 ft.lb 80 % .00 % .15 .1232 sq.ft.lb	)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method	: 34s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TE : F-1 : Both (CW : 52.0 dB(A : Direct On	19s (hot) -40°C s.l. EFC and CCW)		
Efficiency (%)       81.0       82.5       84.0       85.5         Power Factor       0.30       0.52       0.66       0.75         Max. compression       : 98 lb         Bearing type       :       6206 ZZ       6203 ZZ         Sealing       :       V'Ring       Without Bearing Seal         Lubrication interval       :       -       -         Notes       Mobil Polyrex EM       Notes       Notes         This revision replaces and cancel the previous one, which must be eliminated.       .       These are average values based on tests with sinusc power supply, subject to the tolerances stipulated in 1         (1) Looking the motor from the shaft end.       .       .       MG-1.         (2) Measured at 1m and with tolerance of +3dB(A).       .       .       .         (3) Approximate weight subject to changes after manufacturing process. <t< td=""><td></td><td>5% 50%</td><td>75%</td><td>100%</td><td>Foundation loads</td><td></td><td></td></t<>		5% 50%	75%	100%	Foundation loads				
Bearing type       :       6206 ZZ       6203 ZZ         Sealing       :       V'Ring       Without Bearing Seal         Lubrication interval       :       -       -         Lubricant amount       :       -       -         Lubricant type       :       Mobil Polyrex EM         Notes       Motil Polyrex EM	Efficiency (%) 81	1.0 82.5	84.0	85.5	Max. traction				
<ul> <li>(1) Looking the motor from the shaft end.</li> <li>(2) Measured at 1m and with tolerance of +3dB(A).</li> <li>(3) Approximate weight subject to changes after manufacturing process.</li> </ul>	Sealing Lubrication interval Lubricant amount Lubricant type			Ring - -	Without Bearing - -	Seal			
	<sup>-</sup> his revision replaces	and cancel t	he previous or	ne, which					
Rev.         Changes Summary         Performed         Checked         Date	This revision replaces nust be eliminated. 1) Looking the motor 2) Measured at 1m at 3) Approximate weigh nanufacturing process	from the sha nd with tolera ht subject to o	ft end. ince of +3dB(A		power supply, subject to the				
	This revision replaces nust be eliminated. 1) Looking the motor 2) Measured at 1m an 3) Approximate weigh nanufacturing process 4) At 100% of full loar	from the sha nd with tolera ht subject to o s. d.	ft end. Ince of +3dB(A changes after	A).	power supply, subject to th MG-1.	e tolerances stipu			
	This revision replaces nust be eliminated. 1) Looking the motor 2) Measured at 1m an 3) Approximate weigh nanufacturing process 4) At 100% of full load Rev.	from the sha nd with tolera ht subject to o s. d.	ft end. Ince of +3dB(A changes after	A).	power supply, subject to th MG-1.	e tolerances stipu	lated in NEMA		
Checked by         Page         Rev           Date         14/04/2022         1 / 6         1	This revision replaces nust be eliminated. 1) Looking the motor 2) Measured at 1m an 3) Approximate weigh nanufacturing process 4) At 100% of full load Rev.	from the sha nd with tolera ht subject to o s. d.	ft end. Ince of +3dB(A changes after	A).	power supply, subject to th MG-1.	e tolerances stipu Checked	lated in NEMA		

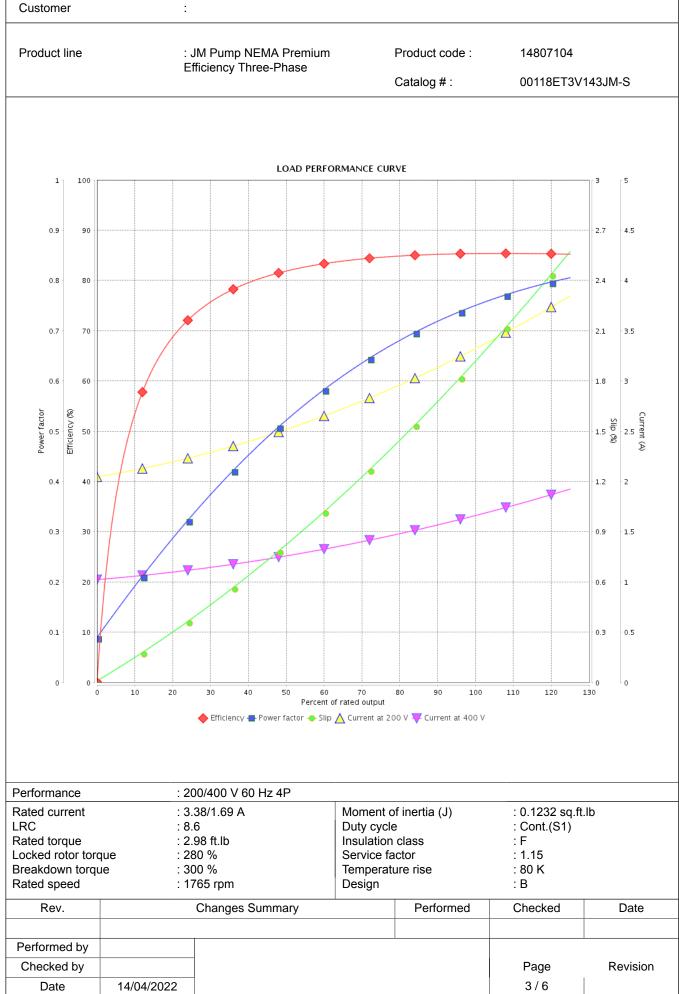


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### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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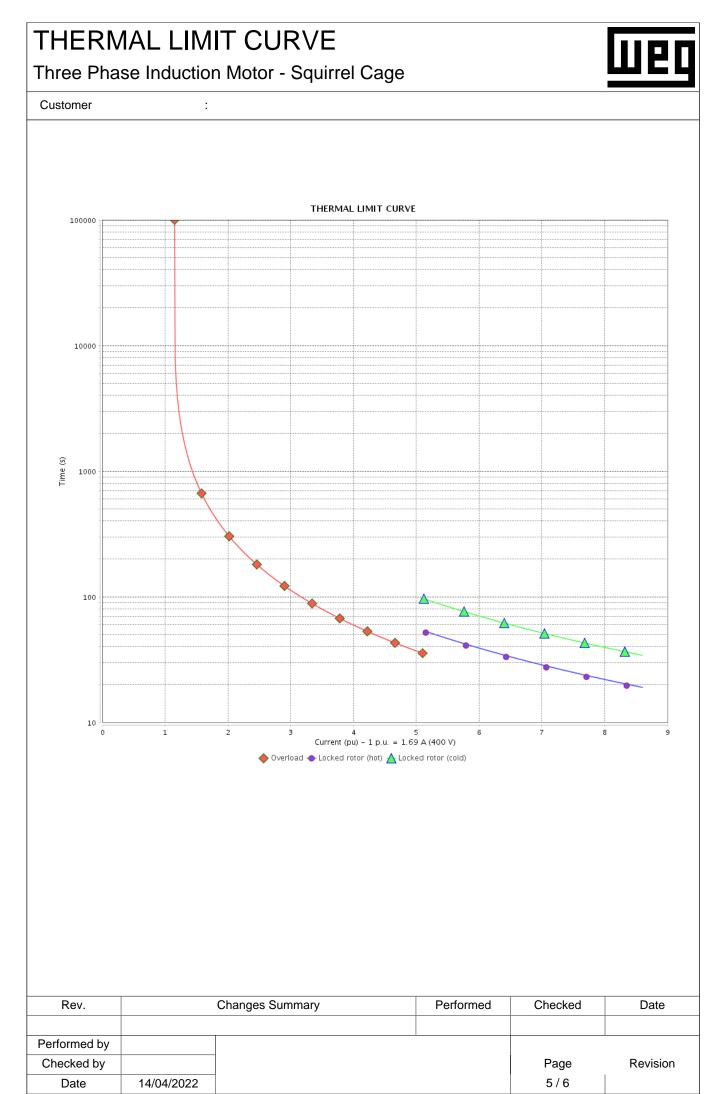


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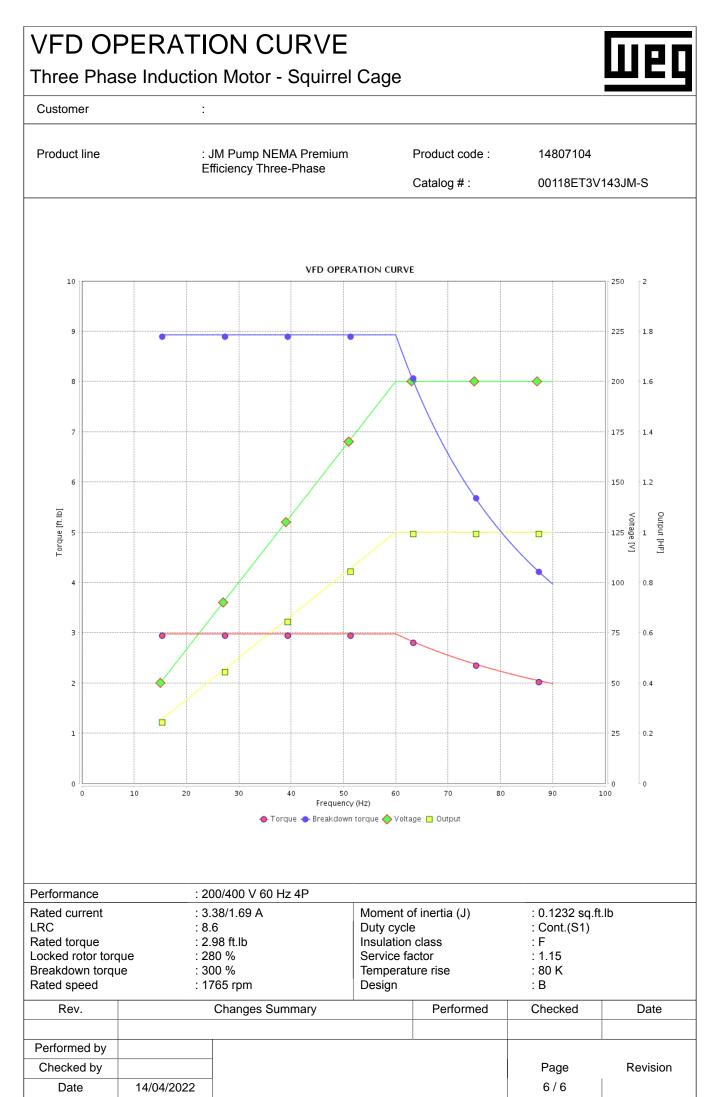
Product line	: c E1	JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	14807104 00118ET3V	143JM-S
Porformanco	. 20					
Performance	: 20	00/400 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 8. : 2. jue : 28 ie : 30	38/1.69 A 6 98 ft.lb 80 % 00 % 765 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1232 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb
Hoating constant						
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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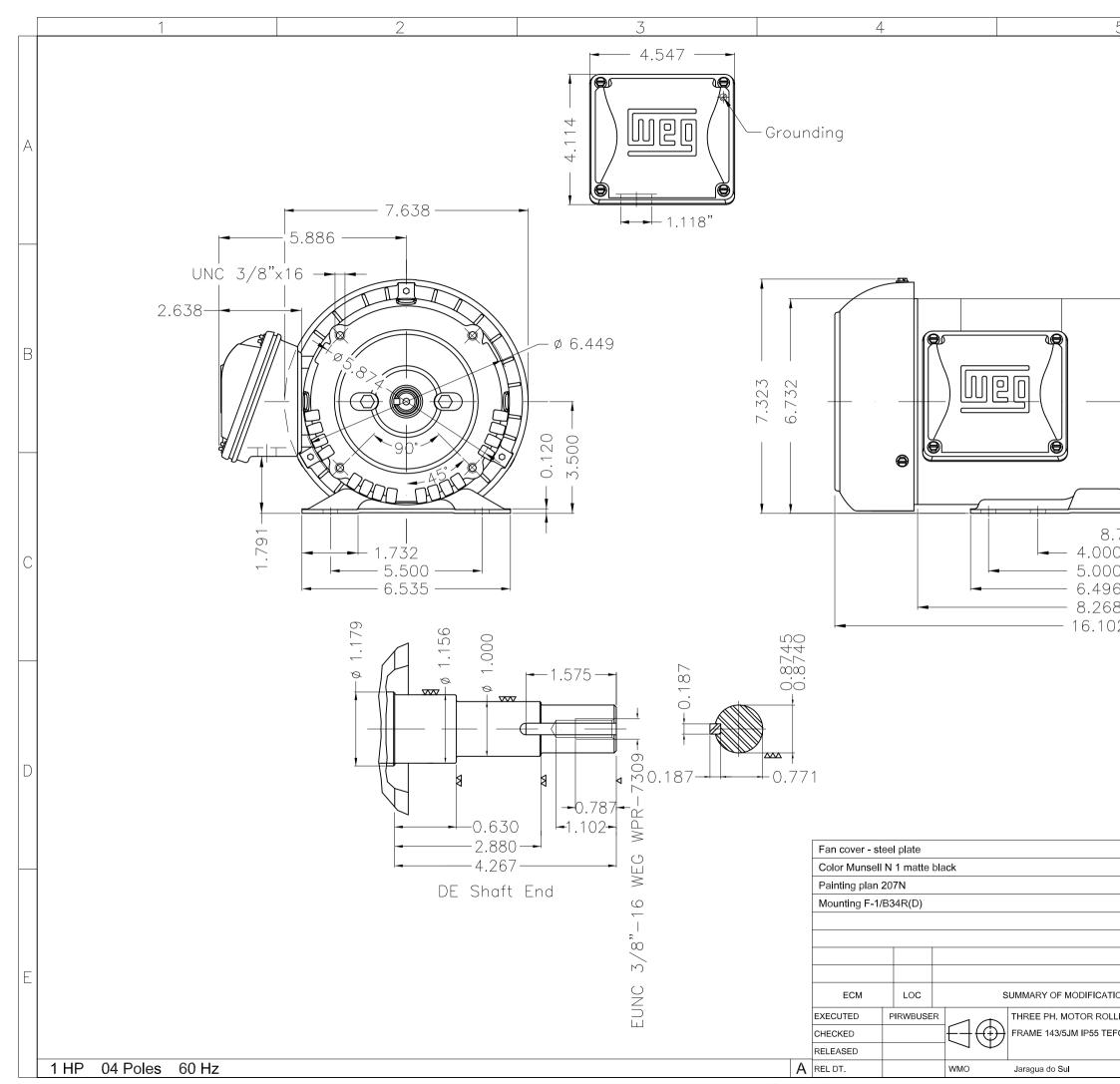
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C			б		
		0.157			Dimensions in inches
	EVENIESE				
LED STEEL CLOSE (	EXECUTED			DATE VER	
FC		WDD		Шео	A3
Product	Engineering	SHEET	1 / 1		XME

CONTRACTOR	For 60H2: Class I, Zone 2, IIC Class I, DIV2: C. A.B.C, D. 73 DIV 2 Inverter Duty (5F1.00) CT 2:1/V1 1000:1	HP 1.0 kw 0.75 V 2001400		SF 1.15 PF 0.75 RPM 1765	- H	For safe area-inverter duty motor For use on VPWM 1000:1 VT, 4:1 CT Act 270, Act 270, MADBIL BOLV PECK FM		• <b>`</b> ●	17 4T8 4T9	-	TO REVERSE THE ROTATION In accordance with local	AVERTISSEMENT: Le moteur doit ête mis à la terre de la cerre odes électriques locaux et nationaux afin d'éviter tout 6. Déconnectez l'alimentation avant l'entrefien de la machine.
	MADE M MÉXICO MAT: 14807104 CC029A W01.1E0ICOX0N MODEL 00118ET3V143JM-S 30MAR2022 BJN:	PH 3 Hz 60 H FR 143/5JM K DUTY CONT.	1000 m.a.s.l L F AT 80K IP55	DES B CODE M		For safe area-inverter dufy mo	T10 T11	CE 19 10		YY L1 L2 L3 Y L	INTERCIANCE ANY TWO LINE WREST TO REVEASE THE ROTATION WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.	AVERTISSEMENT. Le moteur doit ête mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Désonnectes l'alimentation avant l'entreflen de la machine.