# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

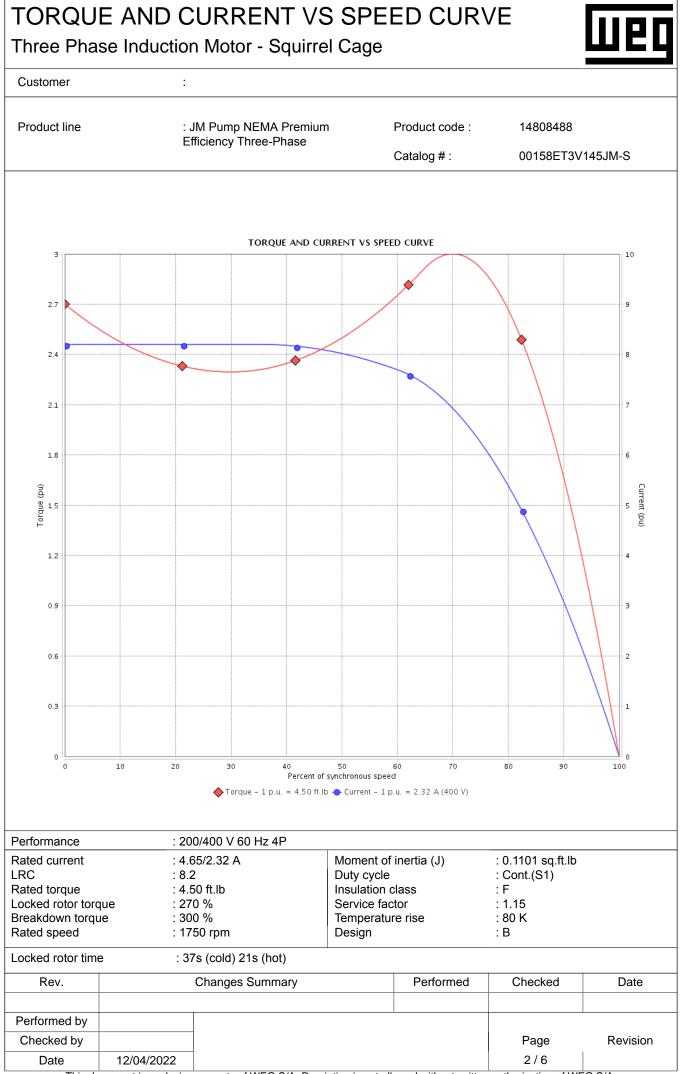
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#### Customer

Product line Frame 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) Design		: JM Pump NEMA Premium Efficiency Three-Phase			P	roduct code :	14808488	14808488	
					C	atalog # :	00158ET3V145JM-S		
		: 143/5JM : 1.5 HP (1.1 kW) : 4 : 60 Hz : 200/400 V : 4.65/2.32 A : 38.1/19.0 A : 8.2x(Code K) : 2.49/1.25 A : 1750 rpm : 2.78 % : 4.50 ft.lb : 270 % : 300 % : F : 1.15 : 0.1101 sq.ft.lb : B		Altitude	ture rise le temperature on degree method g vel <sup>2</sup> method	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IP55 : IC411 - TE : F-1 : Both (CW : 52.0 dB(A	: 37s (cold) 21s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line		
Output	25%	50%	75%	100%	Foundatio	n loads			
Efficiency (%)	85.2	85.5	86.5	86.5	Max. tracti		: 97 lb		
Power Factor	0.35	0.59	0.72	0.79	Max. comp		: 138 lb		
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		:	62	<u>re end</u> 206 ZZ "Ring - - - Mo	bil Polyrex E	Non drive end 6203 ZZ Without Bearing S - -	Seal		
Notes									
Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of fu	ed. notor from Im and wit weight sub ocess.	the shaft e th toleranc	end. e of +3dB(	one, which A).	These are	e average values l	based on tests wit		
This revision repl must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate w manufacturing pro-	ed. notor from Im and wit weight sub ocess.	the shaft e th toleranc ject to cha	end. e of +3dB(	one, which A).	These are power sup	e average values l			
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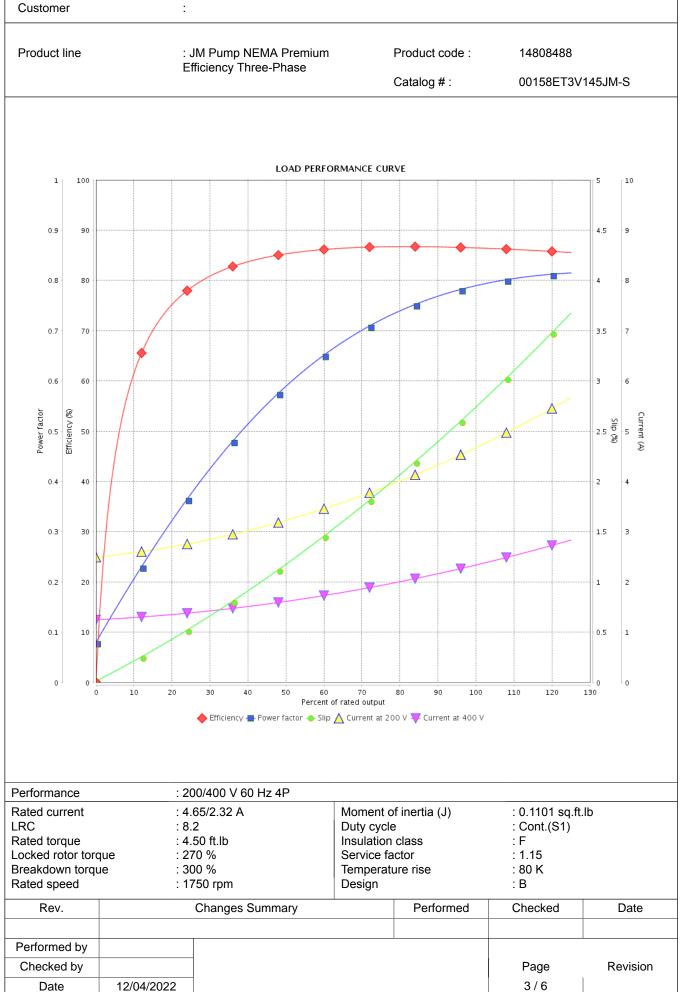
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

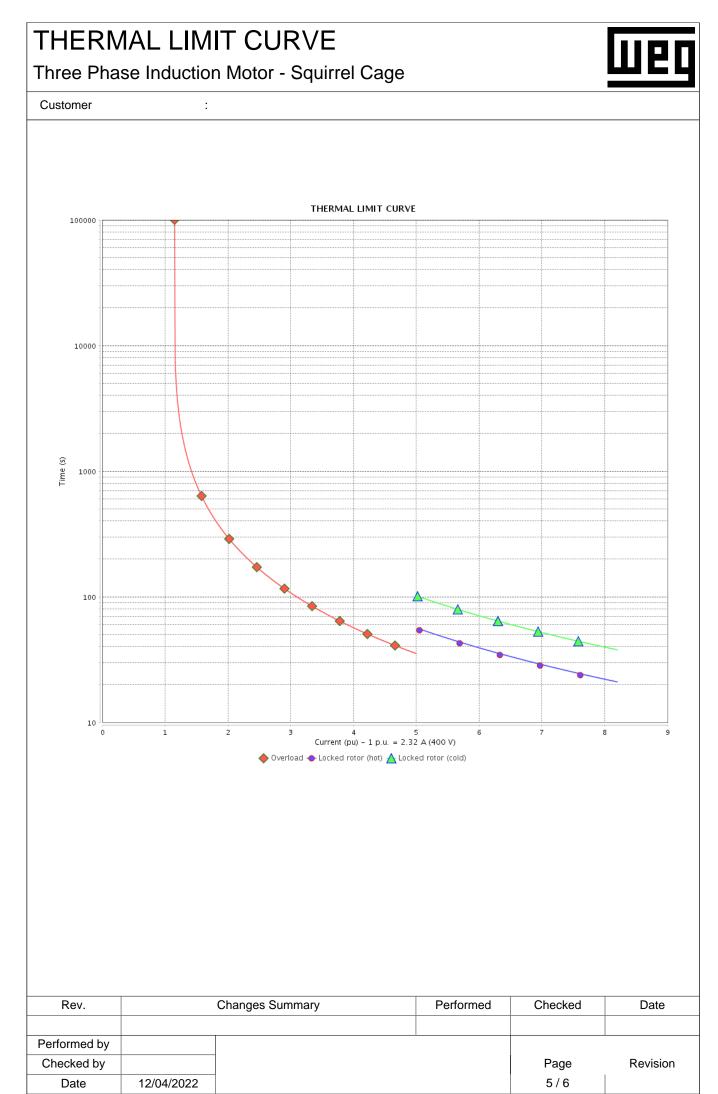
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14808488 00158ET3V <sup>2</sup>	14808488 00158ET3V145JM-S	
Performance	: 20	00/400 V 60 Hz 4P					
LRC: 8Rated torque <td:4< td="">Locked rotor torque<td:2< td="">Breakdown torque<td:3< td=""></td:3<></td:2<></td:4<>		65/2.32 A .2 .50 ft.lb 70 % 00 % 750 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ictor	: 0.1101 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by		-			Page	Revision	
Date	12/04/2022				4 / 6		

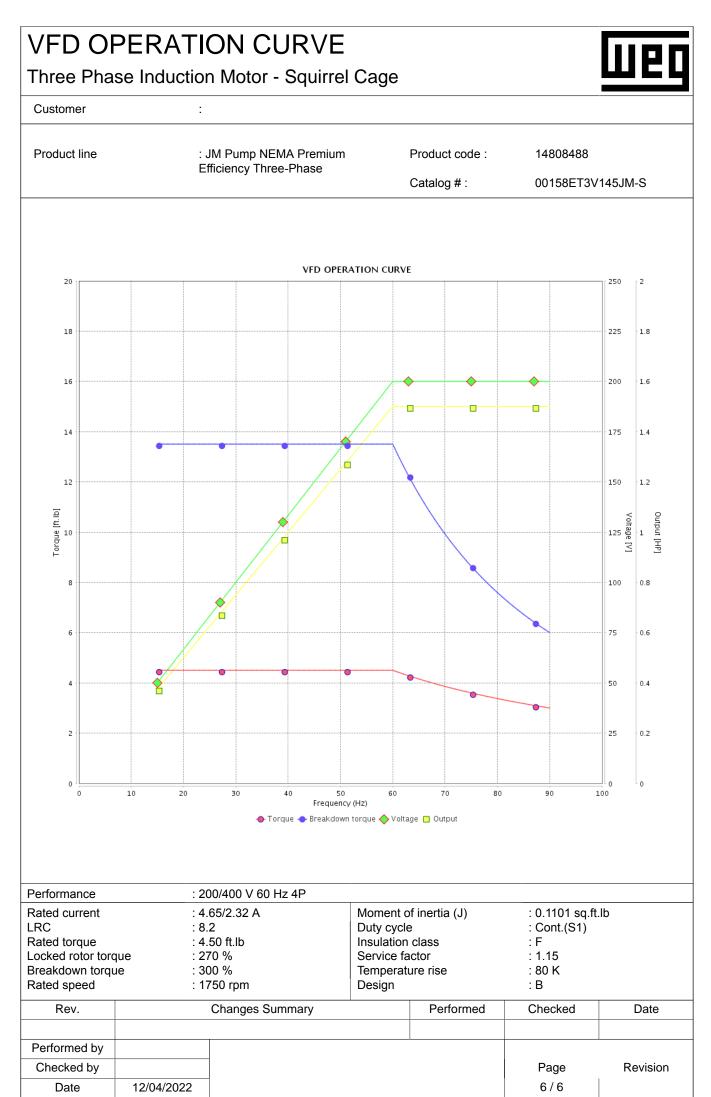
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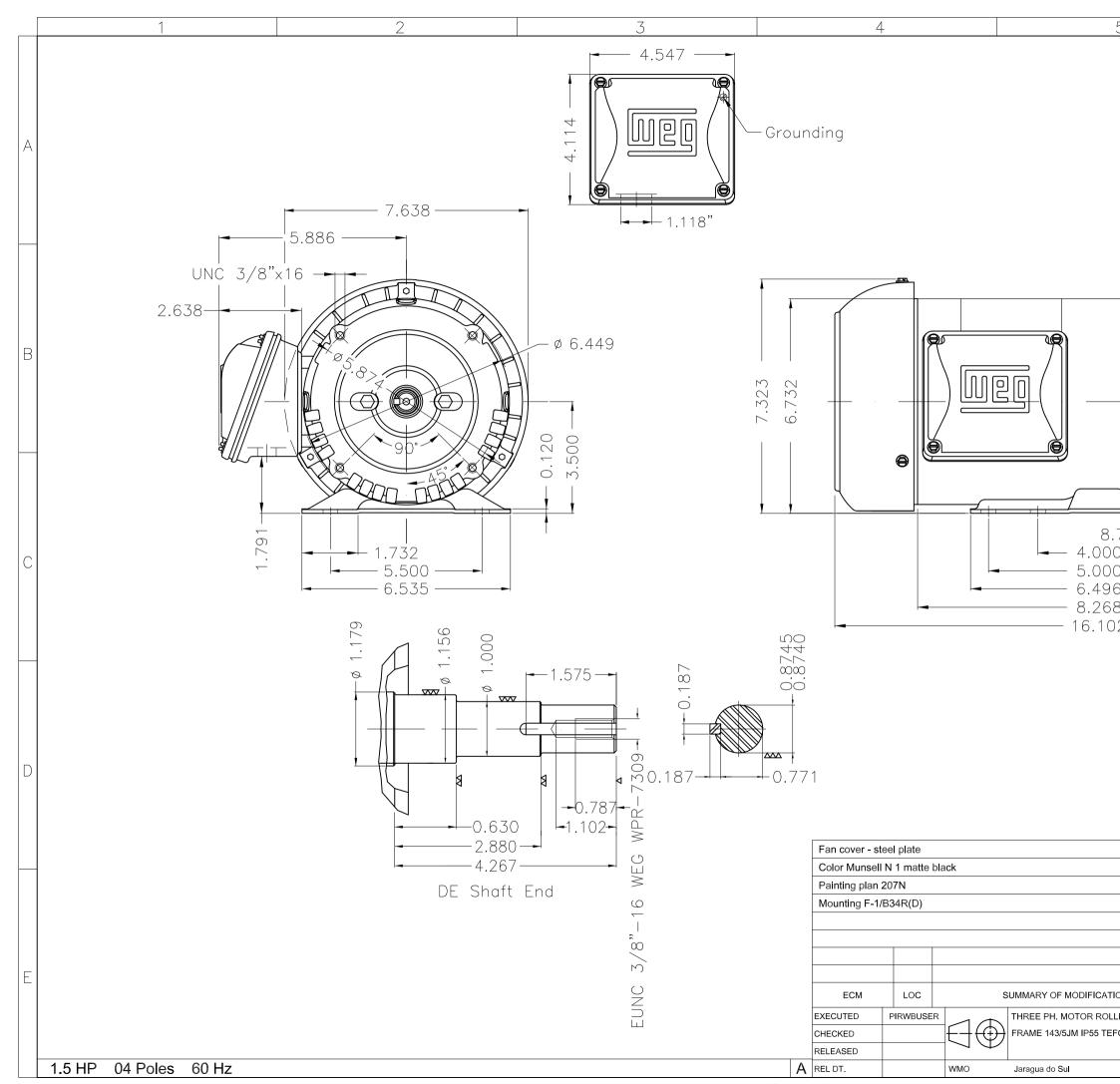
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C			б		
		0.157			Dimensions in inches
	EVENIESE				
LED STEEL CLOSE (	EXECUTED			DATE VER	
FC		WDD		Шео	A3
Product	Engineering	SHEET	1 / 1		XME

COUSTING COUSTING COUSTING	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, Gr, AB.G.D - 73 DIV 2 Inverter Duty (5F1.00) CT 2:1V1 1000:1	1.1 200400 5.532.67 5.332.67 7.15	1750 F 86.5%	r For use on VPWM 1000:1 VT, 4:1 CT MOBIL POLYREX EM	110      111      112      11-BLU      72-WHT        14      15      16      13-ORG      14-YEL        17      15      16      13-ORG      14-YEL        17      5      16      13-ORG      14-YEL        17      5      16      13-BLK      16-CURRY        17      6      13      11-GRN      112-VLT	ERE THE ROTATION condense with the and the second s
	MADE IN MEXICO MAT: 14808488 CC029A WO1.TE0IC0X0N VO12EL00158ET3V145JM-S 05AUG2221 BJN:	143/51M CONT. V CONT. V 143/51M 140/C PES B PE	it 1	For safe area-inverter duty motor For use on VPWM 1000:1 VT, 4:1 CT DE 6206-ZZ DDE 6203-ZZ MOBIL POLYREX EM	T10 T11 T12 T10 T10 T T0 T11 T15 T6 T0 T1 T5 T6 T0 T1 T5 T8 T9 T0 T1 T2 T3 T0 T1 T2 T3 T0 T1 T2 T3 T0 T1 T2 T3 T1 T1 T2 T3 T1 T1 T2 T3 T1 T1 T2 T3 T1 T1 T1 T2 T3 T1 T1 T2 T3 T1 T1 T2 T3 T1 T1 T1 T2 T3 T1 T1 T1 T2 T3 T1 T1 T1 T2 T3 T1 T2 T3 T2 T3 T2 T2 T3 T2 T3	INTERCHANGE ANY TWO LINE WRES TO REVERSE THE ROTATION MARNING: MORTINEL BOTOMORE In accordance with local and national electrical poders to prevent serious ejectrical and national electrical poders to prevent serious ejectrical and national electrical poders are preference and in a sit arre- conforminent arx codes electriques locaux et nationaux and d'Avier tout choce electrique grave. Deconnector 1 alimentation asam l'entrefen de la machine