# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

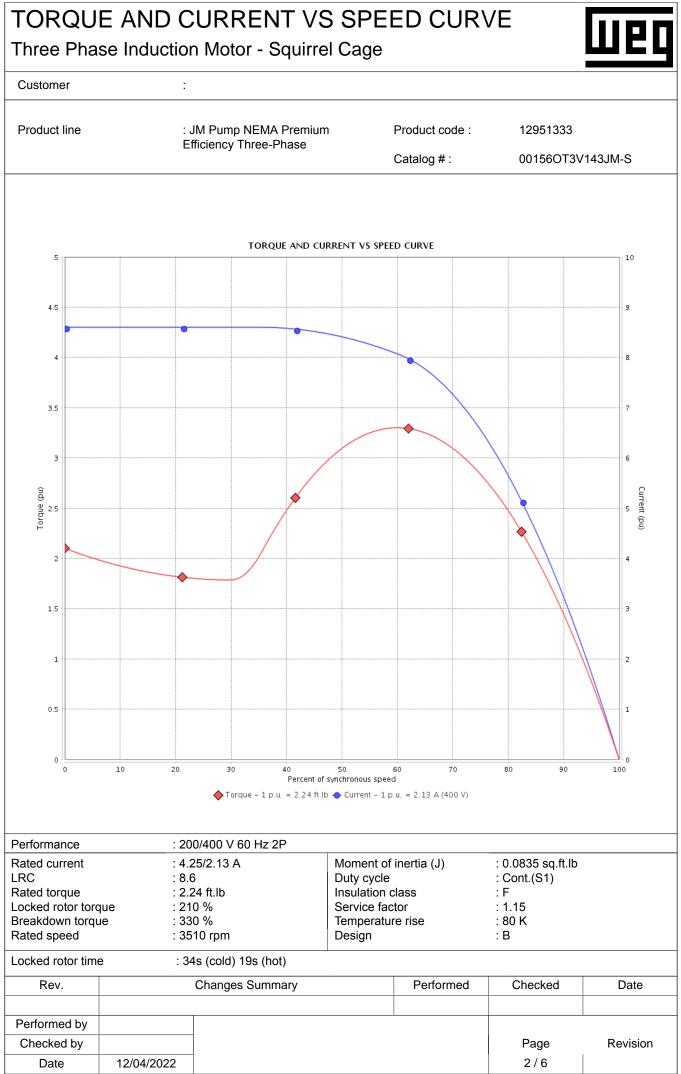
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#### Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase			Product code :		12951333	
					Cat	talog # :	00156OT3V	143JM-S
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torc Breakdown torqu Insulation class Service factor Moment of inertia Design	ie	: 2 : 60 F : 200 : 4.25 : 36.6 : 356 : 351 : 2.50 : 2.24 : 210 : 330 : F : 1.15	HP (1.1 kW Hz 5/2.13 A 5/18.3 A k(Code K) 5/0.930 A 0 rpm 0 % 4 ft.lb 9 % 9 %	()	Locked rot Temperatu Duty cycle Ambient te Altitude Cooling mo Mounting Rotation <sup>1</sup> Noise leve Starting mo Approx. we	emperature ethod ethod ethod	: 34s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IC01 - OD : F-1 : Both (CW : 62.0 dB(A : Direct On : 29.3 lb	40°C s.l. P and CCW) )
-	250/		75%	100%	Foundation			
Output	25% 81.1	50% 81.5	75% 84.0	84.0	Foundation I Max. tractior		: 49 lb	
Efficiency (%) Power Factor	0.45	01.5	04.0 0.83	04.0 0.89	Max. compre		: 79 lb	
Bearing type Sealing Lubrication interv Lubricant amoun		:	620	<u>e end</u> 06 ZZ Bearing Seal -	W	<u>Non drive end</u> 6203 ZZ /ithout Bearing -		
Lubricant type Notes		:			bil Polyrex EN			
Lubricant type	aces and a aces and a ad. notor from m and wi veight sub pocess.	the shaft e th toleranc	end. e of +3dB(A	ne, which	These are a	average values	based on tests wit e tolerances stipul	
Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and a aces and a ad. notor from m and wi veight sub pocess.	the shaft e th toleranc pject to cha	end. e of +3dB(A	ne, which 4).	These are a power supp	average values		
Lubricant type Notes Notes 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 a aces and a ad. notor from m and wi veight sub pocess.	the shaft e th toleranc pject to cha	end. e of +3dB(/ anges after	ne, which 4).	These are a power supp	average values ly, subject to th	e tolerances stipu Checked	lated in NEMA
Lubricant type Notes 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.	aces and a aces and a actor from and wi veight sub ocess.	the shaft e th toleranc pject to cha	end. e of +3dB(/ anges after	ne, which 4).	These are a power supp	average values ly, subject to th	e tolerances stipul	lated in NEMA

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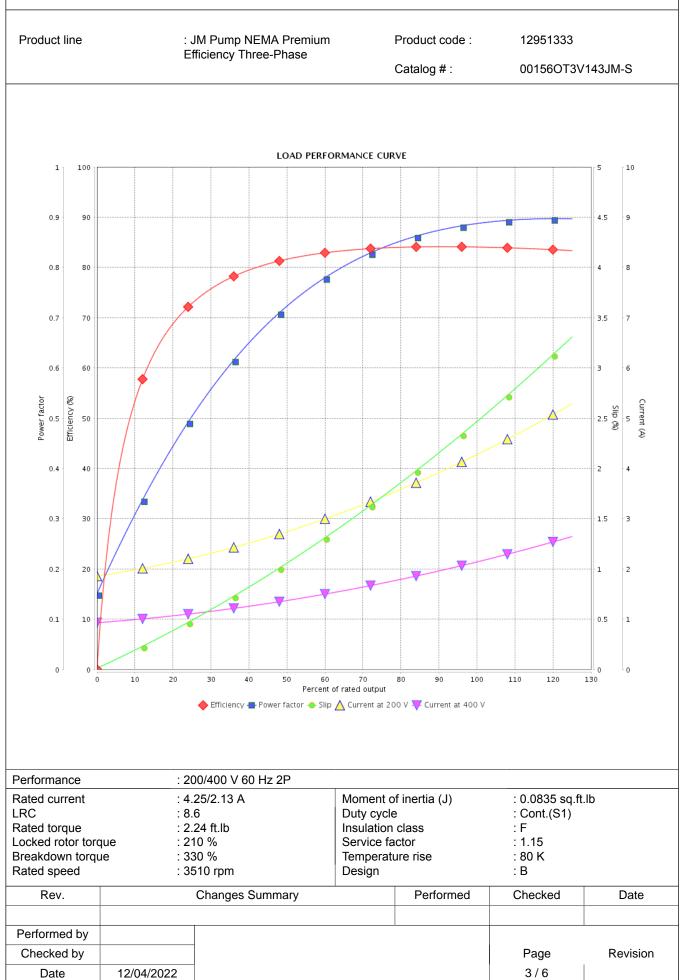
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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#### Customer



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## THERMAL LIMIT CURVE

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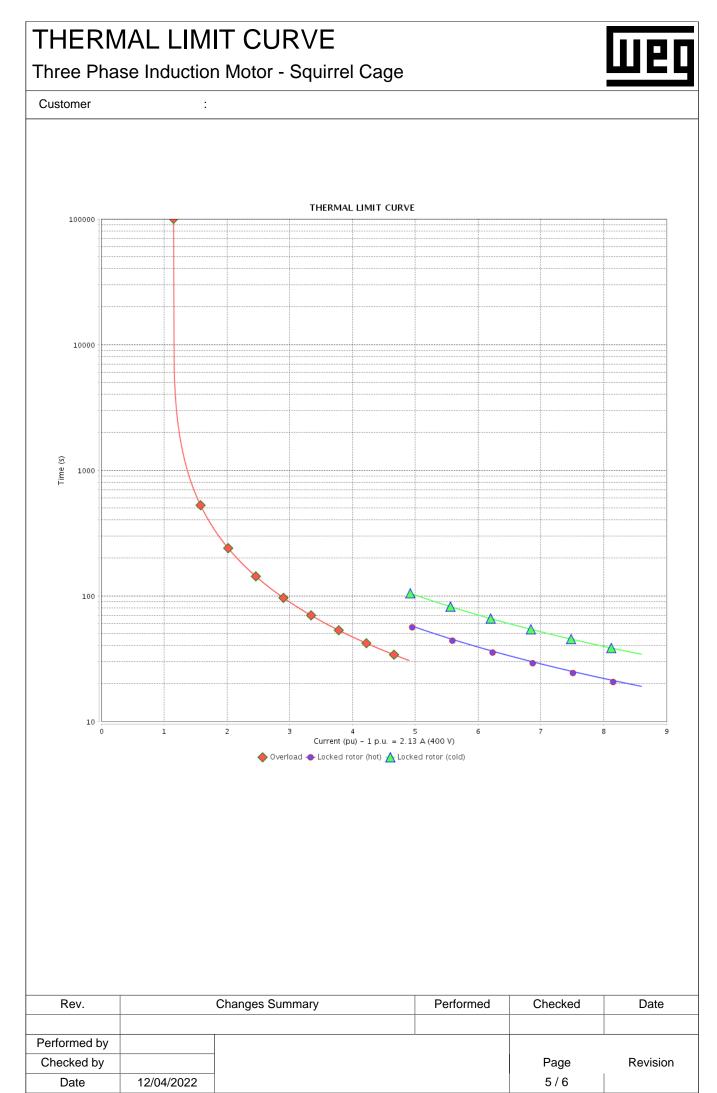
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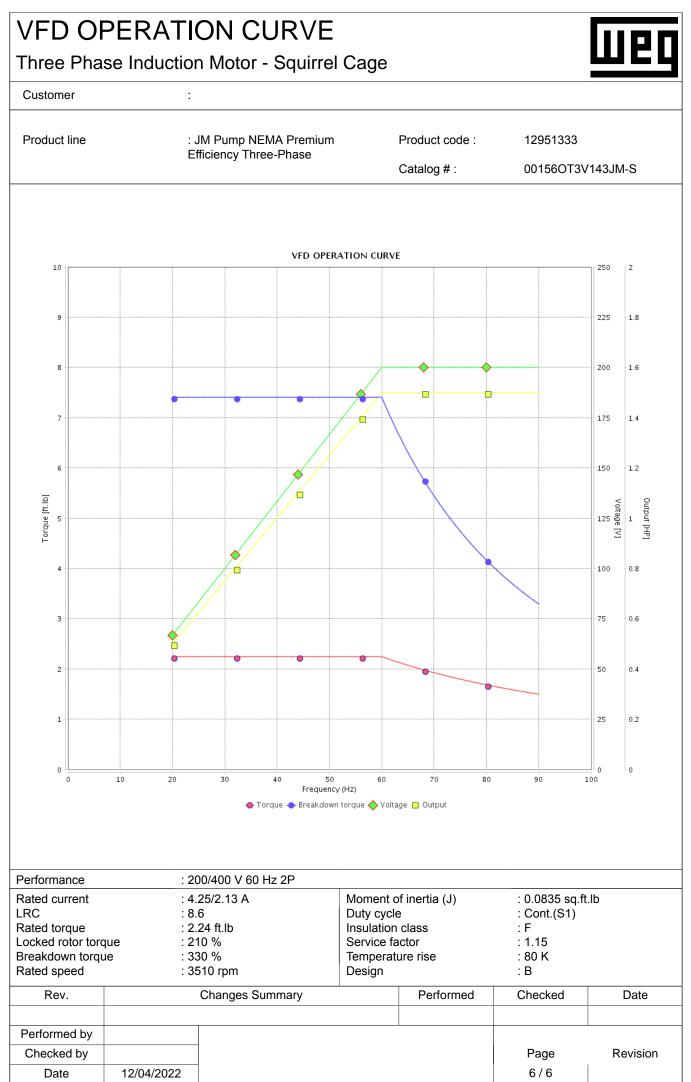
Customer

Destaution			Product code :		12051222		
Product line	E	: JM Pump NEMA Premium Efficiency Three-Phase			12951333		
				Catalog # :	00156OT3V	143JM-S	
Performance		00/400 V 60 Hz 2P		<u>.</u>	0.0005		
tated current : 4.25/2.13 A   RC : 8.6		Moment of inertia (J) Duty cycle		: 0.0835 sq.ft.lb : Cont.(S1)			
Rated torque : 2.24 ft.lb		.24 ft.lb	Insulation class		: F		
Locked rotor torque: 210 %Breakdown torque: 330 %		Service factor Temperature rise		: 1.15 : 80 K			
Rated speed		510 rpm	Design		: B		
Heating constan							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by		_			Page	Revision	
Date	12/04/2022				4 / 6		

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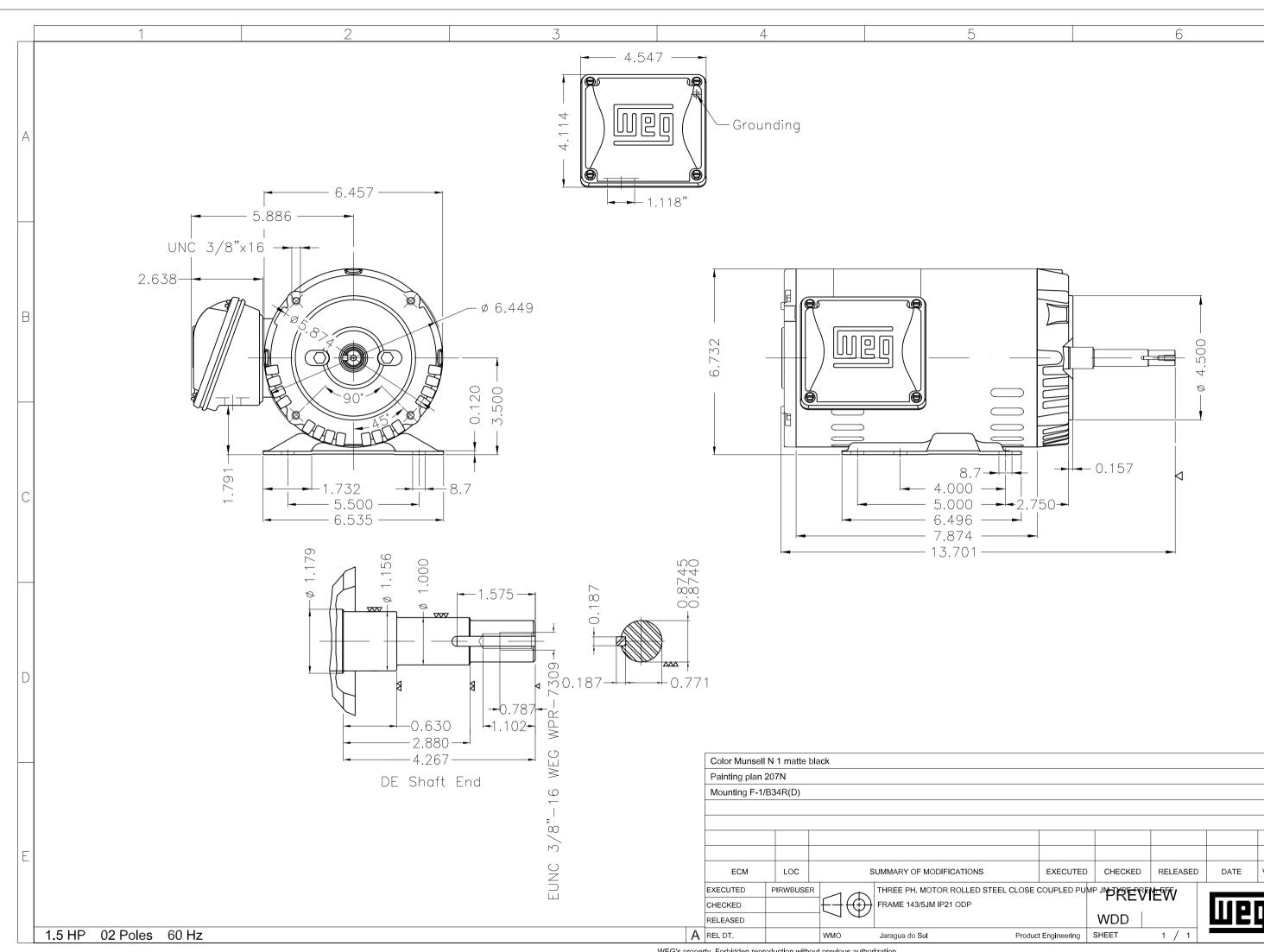


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						Dimensions in inches
010	EVEOUTED			DATE	VER	
ONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL CLOSE (	COUPLED PUM	* JPREV	1977			3
		WDD		Ше		A3
Produc	t Engineering	SHEET	1 / 1			XME
	I		l			