# DATA SHEET

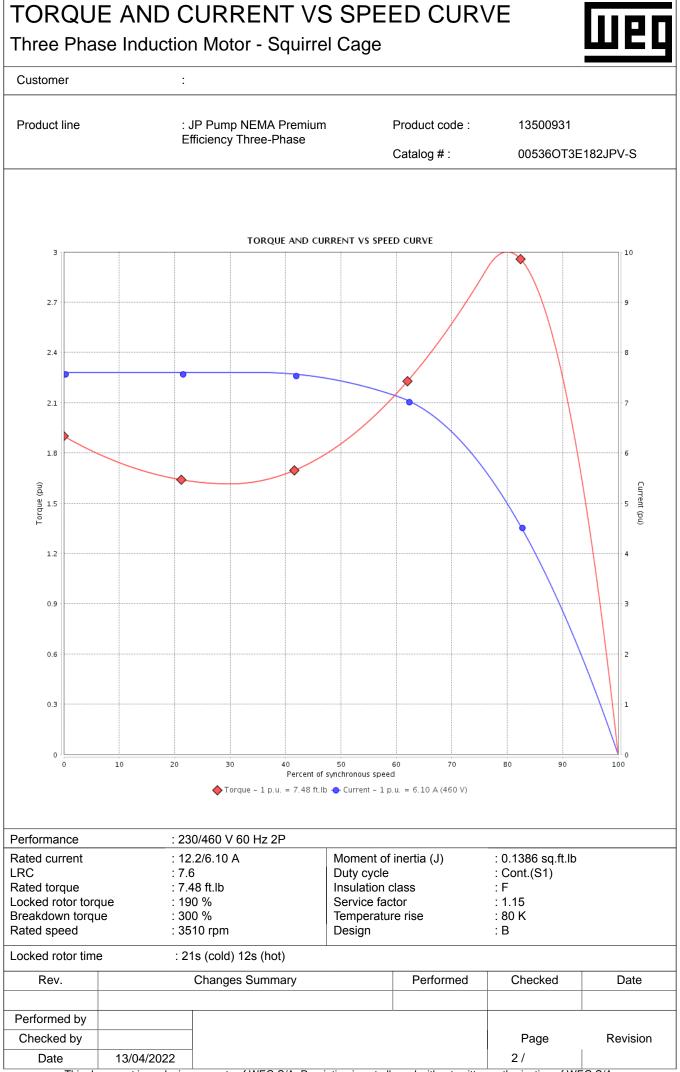
Three Phase Induction Motor - Squirrel Cage

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#### Customer

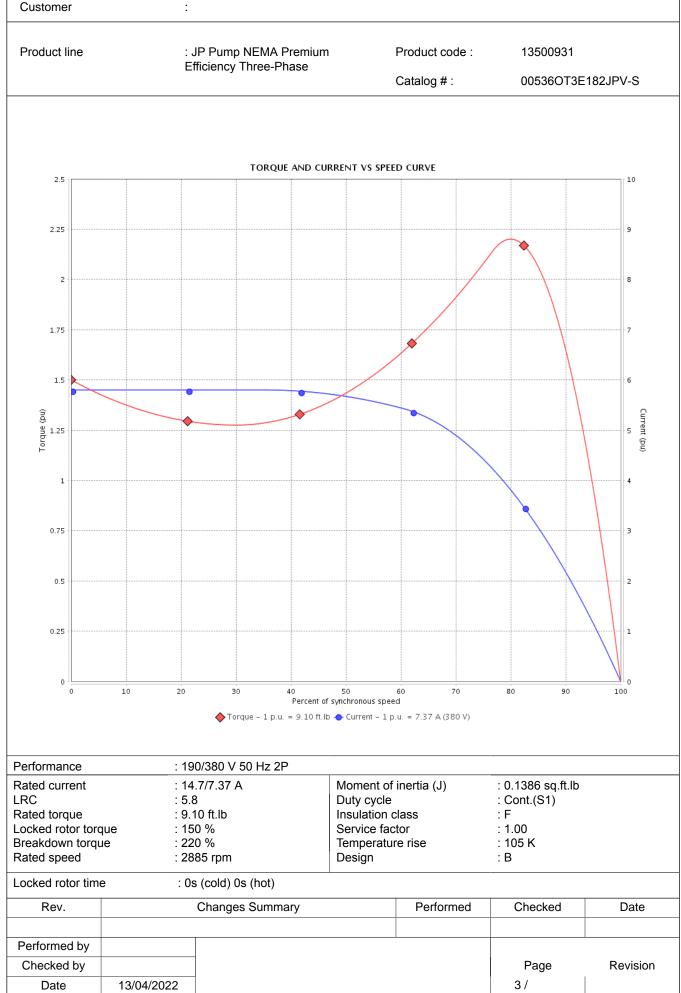
Product line		: JP Pump NEMA Prem Efficiency Three-Phase		Product code :		13500931		
				Catalog # :	00536OT3E	182JPV-S		
Frame		: 182/4JP	Cooling	l method	: IC01 - OD	Р		
Insulation class		: F	Mountir		: W-6			
Duty cycle		: Cont.(S1)	Rotatio		: Both (CW	and CCW)		
Ambient temperature		: -20°C to +40°C		g method	: Direct On			
Altitude		: 1000 m.a.s.l.		. weight <sup>3</sup>		: 62.2 lb		
Design		: B		t of inertia (J)	: 0.1386 sq.	.ft.lb		
Dutput [HP]		5		5		5		
Poles		2		2		2		
Frequency [Hz]		60		50		50		
Rated voltage [V]		230/460		190/380		220/415		
Rated current [A]		12.2/6.10		14.7/7.37		13.2/7.01		
. R. Amperes [A]		92.7/46.4		85.5/42.7		86.0/45.6		
						6.5x(Code H)		
RC [A] lo load current [A	1	7.6x(Code J)		5.8x(Code G)				
•	-	5.15/2.58		5.05/2.53		33/2.83		
Rated speed [RPN	/1]	3510		2885		2900		
Slip [%]	1	2.50		3.83		3.33		
Rated torque [ft.lb]		7.48		9.10		9.05		
ocked rotor torqu		190		150		170		
Breakdown torque	[%]	300		220		250		
Service factor		1.15		1.00		1.00		
Temperature rise		80 K		105 K		80 K		
ocked rotor time		21s (cold) 12s (hot	) 0s	s (cold) 0s (hot)		Os (cold) Os (hot)		
loise level <sup>2</sup>		65.0 dB(A)		63.0 dB(A)		0 dB(A)		
	25%	85.2		88.3		87.1		
Efficiency (%)	50%	85.5		86.5		86.0		
Efficiency (%)	75%	86.5		86.0		86.2		
10	100%	86.5		83.8		84.7		
	25%	0.45		0.51		0.47		
Power Factor	50%	0.73		0.79		0.75		
	75%	0.83		0.88		0.85		
	100%	0.88		0.91 0.90		0.90		
		Drive end Non driv		ion loads				
Bearing type		: 6207 ZZ 6209	5 ZZ   Max. tra	Max. traction : 113 lb				
Sealing		: Without With		mpression	: 175 lb	: 175 lb		
		Bearing Seal Bearin	Bearing Seal Bearing Seal					
Lubrication interv		:	.					
Lubricant amoun	t	: - ·	.					
Lubricant type		: Mobil Polyrex EN	Λ					
Lubricant type								
Lubricant type Notes USABLE @208V	13.5A SF 1.		· <u> </u>					
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. lotor from the lm and with t veight subjec ocess.	00 SFA 13.5A	ch These a	re average values upply, 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	aces and car ed. lotor from the lm and with t veight subjec ocess.	00 SFA 13.5A Icel the previous one, whi shaft end. olerance of +3dB(A).	ch These a power s					
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 car ed. lotor from the lm and with t veight subjec ocess.	00 SFA 13.5A ncel the previous one, whi shaft end. olerance of +3dB(A). t to changes after	ch These a power s	upply, subject to the	e tolerances stipu	lated 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 car ed. lotor from the lm and with t veight subjec ocess.	00 SFA 13.5A ncel the previous one, whi shaft end. olerance of +3dB(A). t to changes after	ch These a power s	upply, subject to the	e tolerances stipu Checked	Ilated in NEMA		
Notes USABLE @208V This revision replanust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and car ed. lotor from the lm and with t veight subjec ocess.	00 SFA 13.5A ncel the previous one, whi shaft end. olerance of +3dB(A). t to changes after	ch These a power s	upply, subject to the	e tolerances stipu	lated in NEMA		



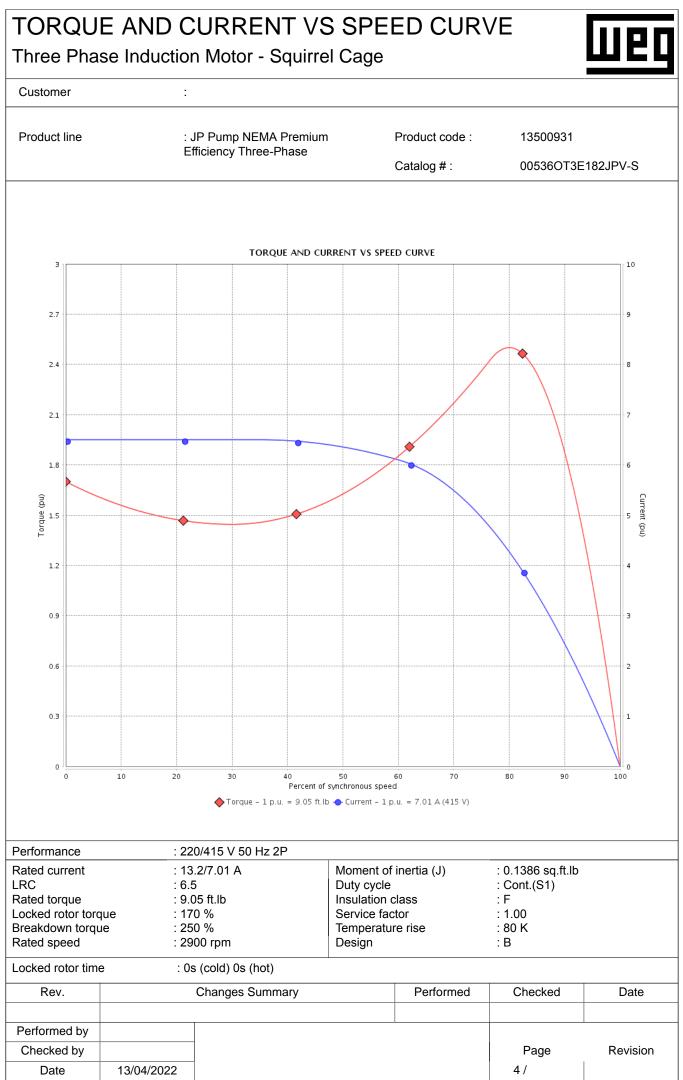
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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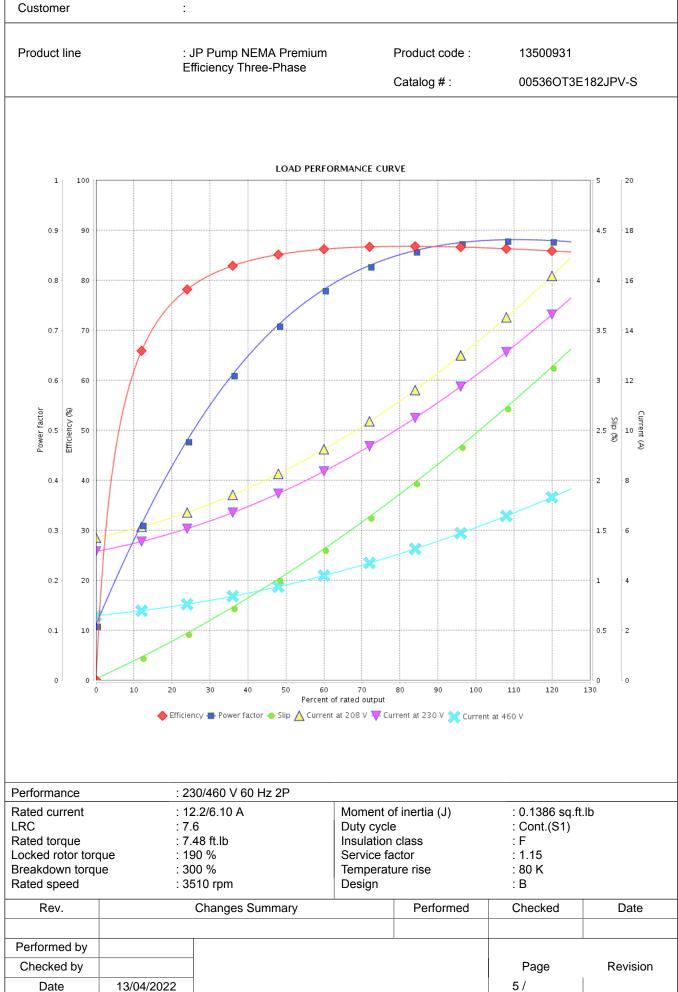


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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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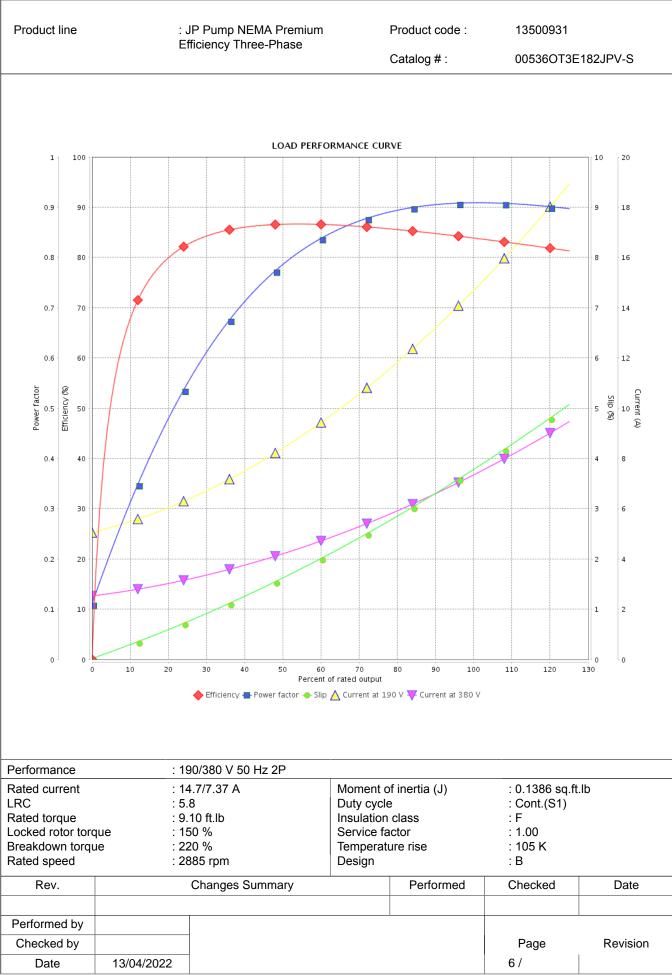
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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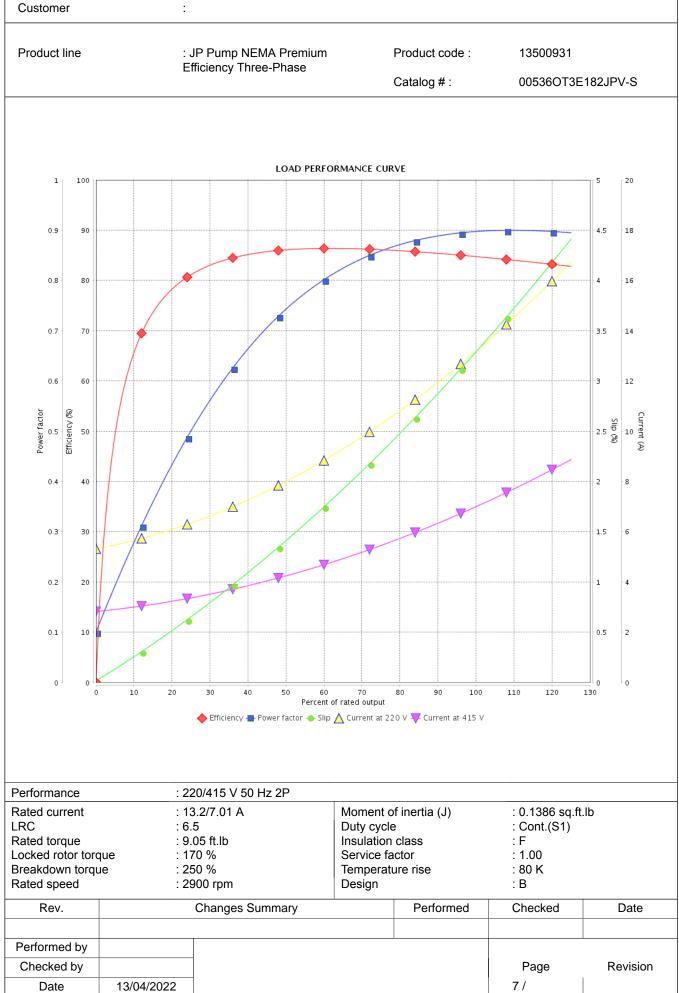
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# LOAD PERFORMANCE CURVE

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# THERMAL LIMIT CURVE

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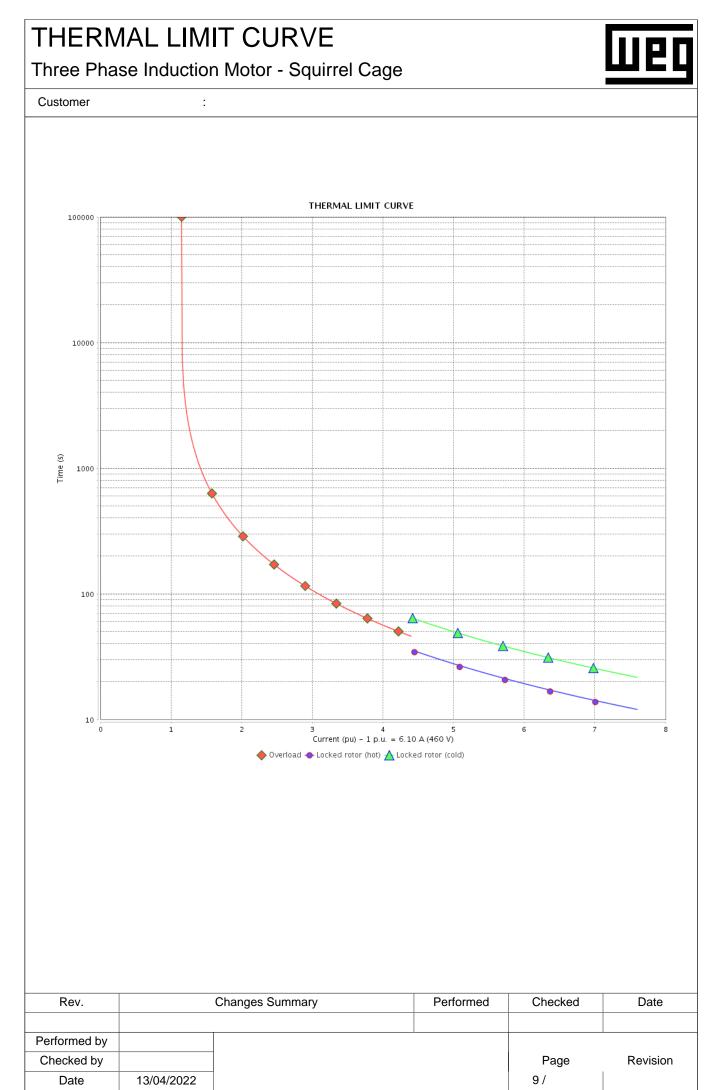
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Customer

Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :		13500931	
				Catalog # :	00536OT3E	182JPV-S	
Performance		30/460 V 60 Hz 2P	•• •	<b>~ ~ ~ ~ ~ ~ ~ ~ ~ ~</b>			
Rated current LRC	: 12 : 7.	2.2/6.10 A 6	Moment o Duty cycle	f inertia (J)	: 0.1386 sq.ft. : Cont.(S1)	lb	
Rated torque	: 7.	48 ft.lb	Insulation	class	: F		
Locked rotor toro		90 % 00 %	Service fa		: 1.15		
Breakdown torqu Rated speed		510 %	Temperati Design	ure rise	: 80 K : B		
		•	0				
Heating constant Cooling constant							
Rev.	-	Changes Summary		Performed	Checked	Date	
-		<u> </u>					
Performed by							
Checked by		-			Page	Revision	
Date	13/04/2022				8/		

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# THERMAL LIMIT CURVE

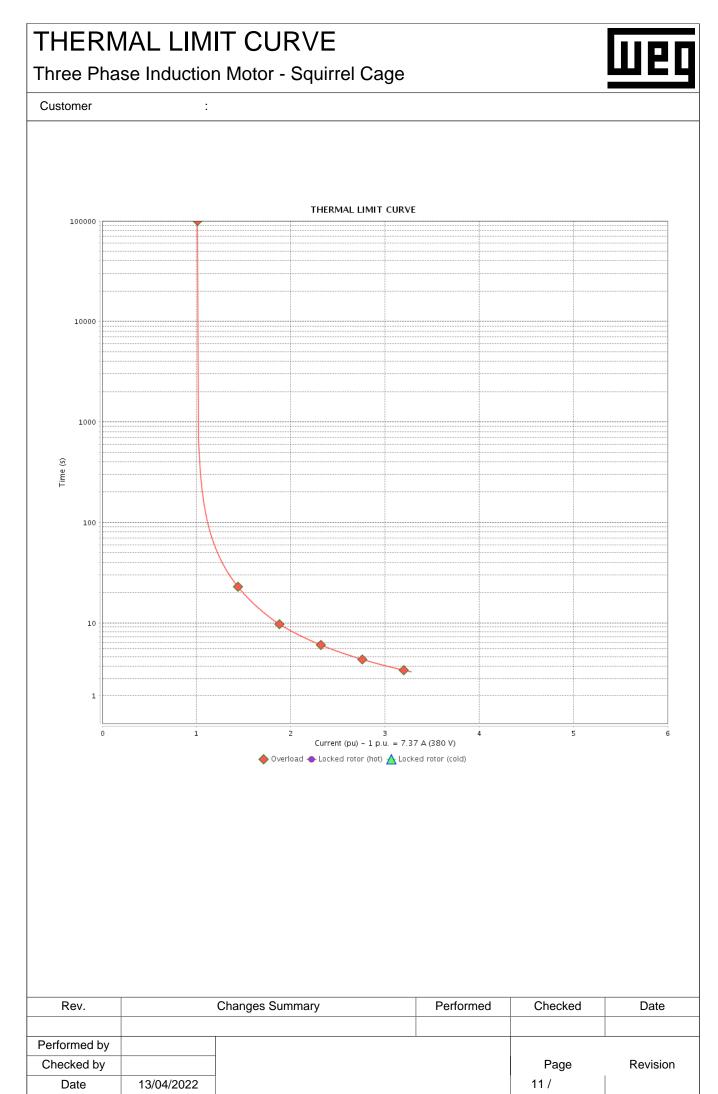
Three Phase Induction Motor - Squirrel Cage

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Customer

				D. I. I. I.	12500021		
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :		13500931	
				Catalog # :	00536OT3E	182JPV-S	
Performance		90/380 V 50 Hz 2P	N4	fine entire (1)	. 0 4000 #	11-	
Rated current LRC	: 12	4.7/7.37 A 8	Moment of inertia (J) Duty cycle		: 0.1386 sq.ft.lb : Cont.(S1)		
Rated torque	Rated torque : 9.10 ft.lb		Insulation class		: F		
	Locked rotor torque : 150 %		Service factor		: 1.00 : 105 K		
Breakdown torque : 220 % Rated speed : 2885 rpm		Temperature rise Design		: B			
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				10 /		



# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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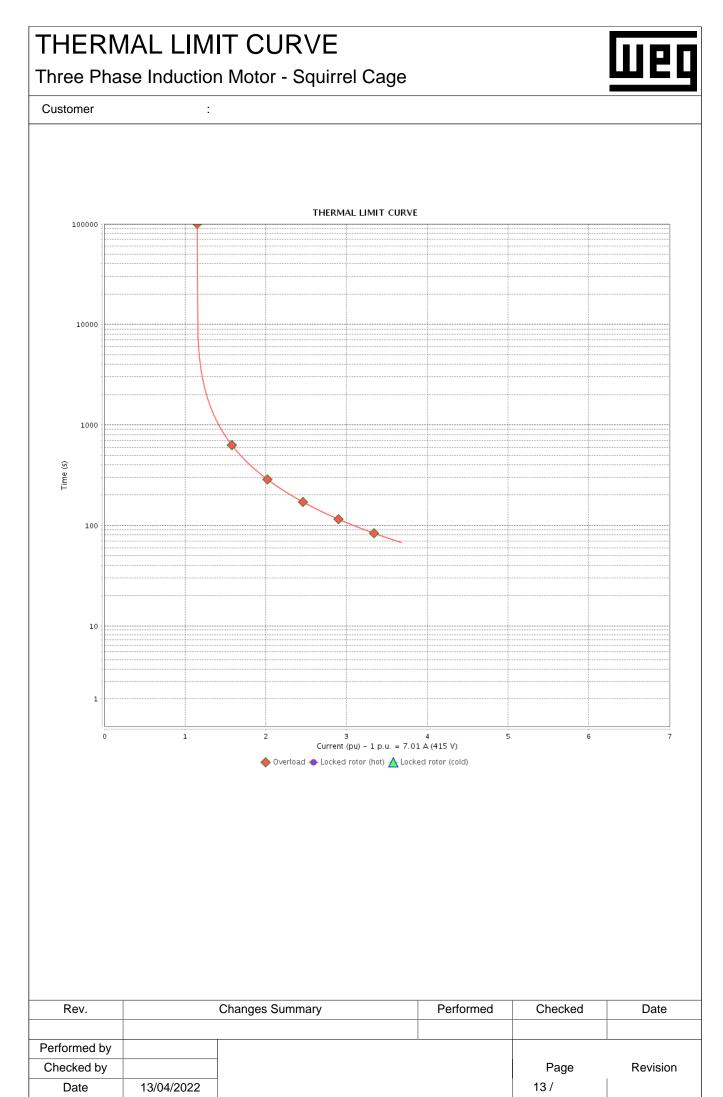


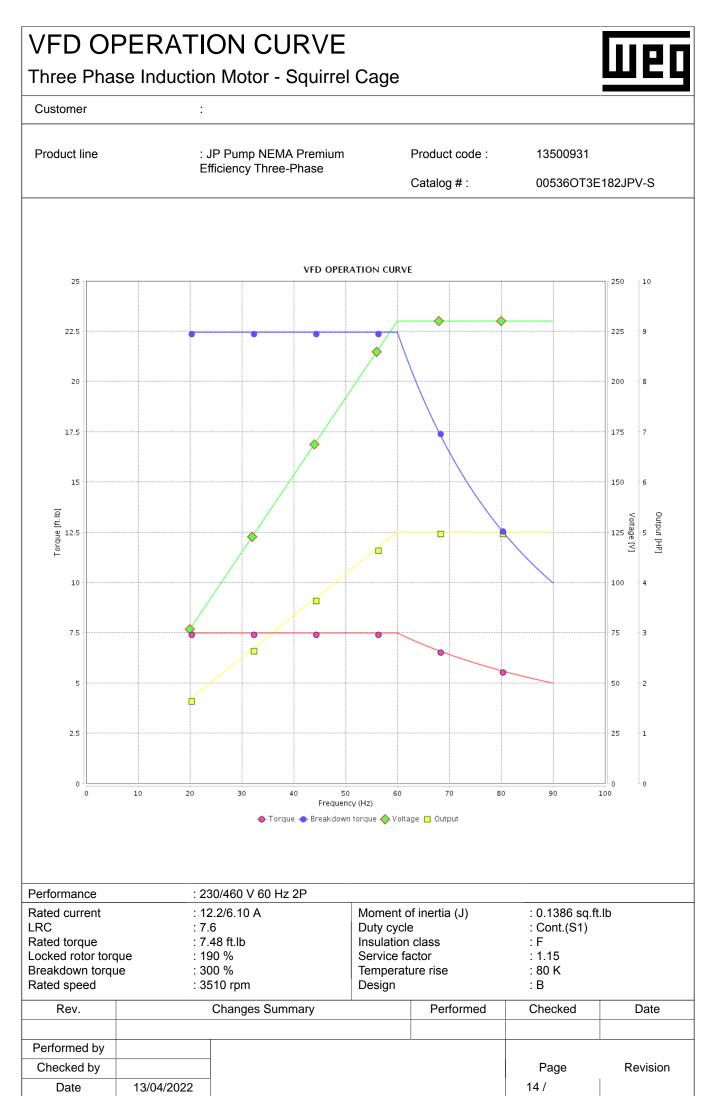
Customer

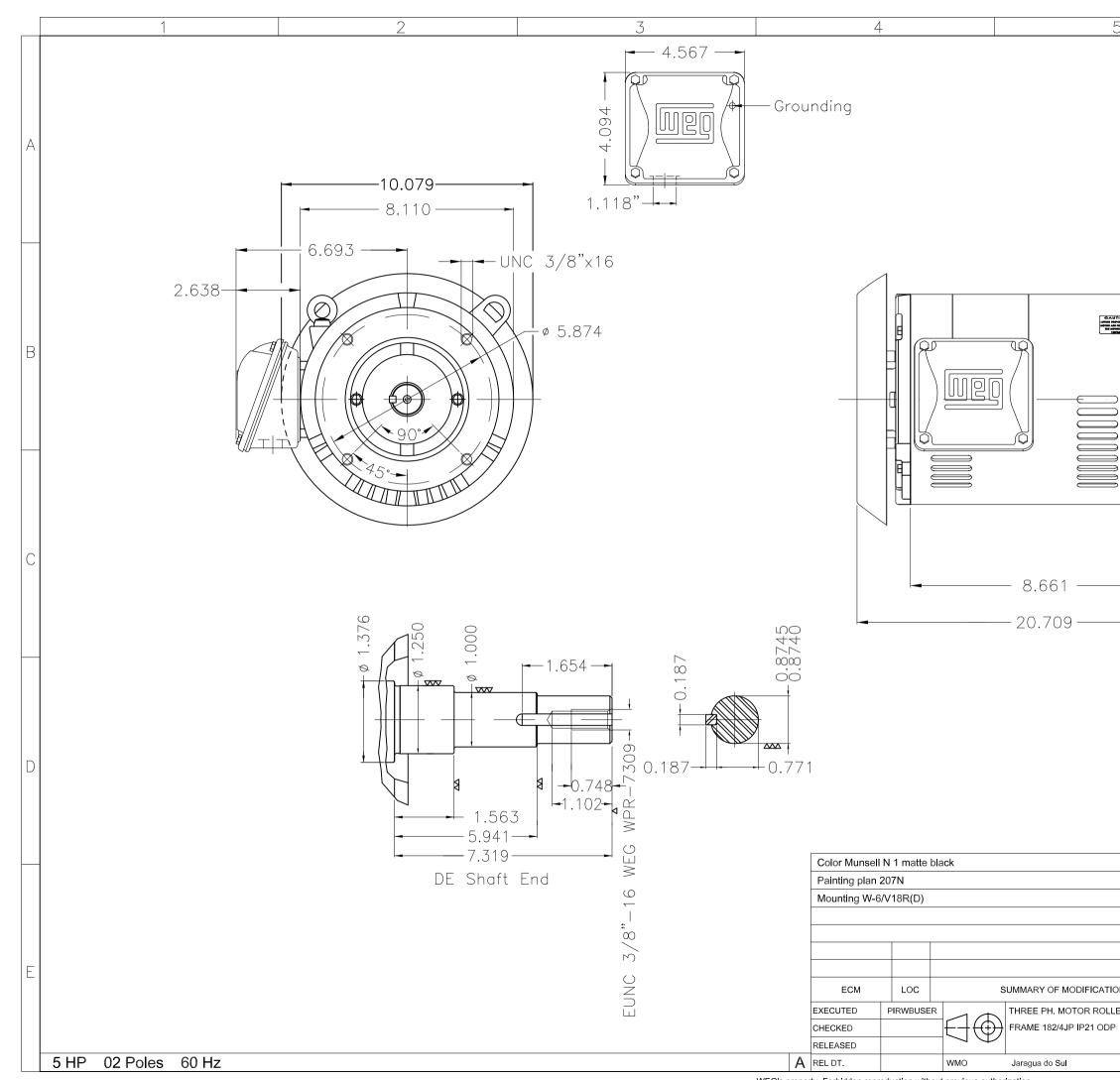
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	13500931	
	_			Catalog # :	00536OT3E	182JPV-S
Performance	: 2	20/415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 9 jue : 1 ie : 2	3.2/7.01 A .5 .05 ft.lb 70 % 50 % 900 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ictor	: 0.1386 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb
Heating constant						
Cooling constant				· · · ·		
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
Date	13/04/2022				12 /	

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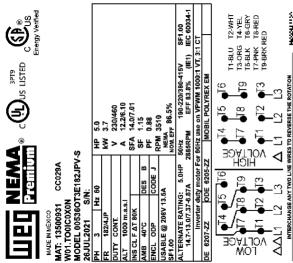






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LED STEEL CLOSE						A3
Produc	t Engineering		1 / 1			XME
	0		/ .		]	×



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

