DATA SHEET

Three Phase Induction Motor - Squirrel Cage

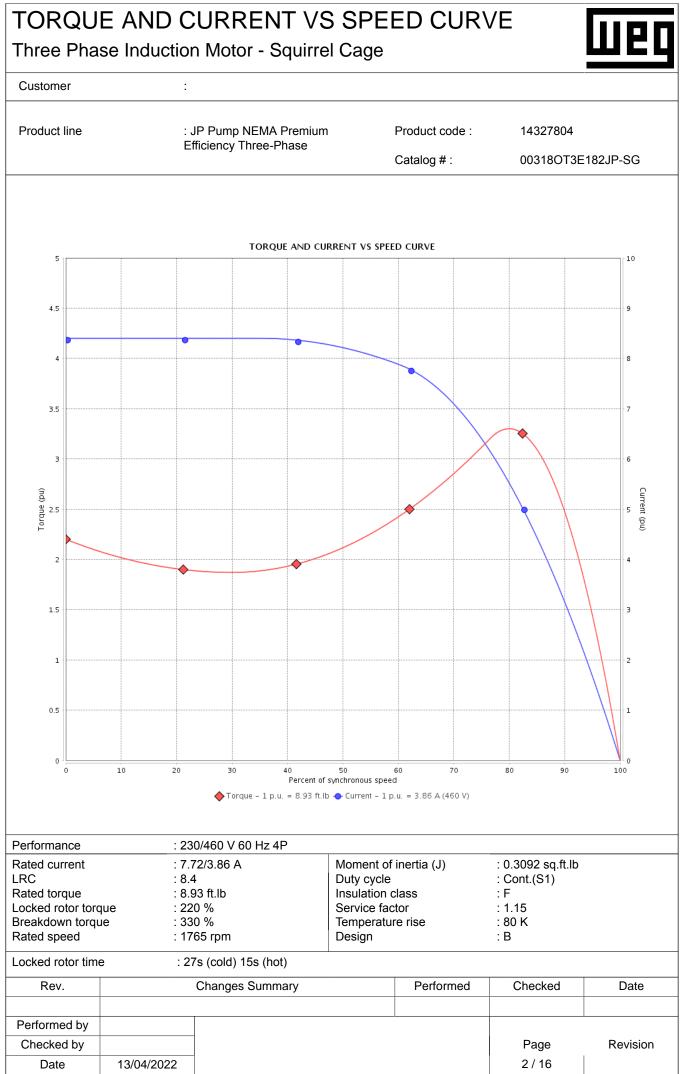
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Customer

Product line		: JP Pump NEMA Premiu Efficiency Three-Phase	m	Product code :	14327804			
				Catalog # :	00318OT3E182JP-SG			
Frame		: 182/4JP	Cooling	g method	: IC01 - OD	P		
Insulation class		: F	Mountii		: F-1	-		
Duty cycle		: Cont.(S1)	Rotatio		: Both (CW	and CCW)		
Ambient tempera	ature	: -20°C to +40°C		g method	: Direct On			
Altitude		: 1000 m.a.s.l.		a weight ³	: 65.9 lb			
		: 1000 m.a.s.i. : B			: 0.3092 sq.ft.lb			
Design		B	women	nt of inertia (J)	: 0.3092 sq.	.11.10		
Output [HP]		3		3		3		
Poles		4		4		4		
Frequency [Hz]		60		50		50		
Rated voltage [V]		230/460		190/380	2:	20/415		
Rated current [A]		7.72/3.86		9.08/4.54		8.41/4.46		
						59.7/31.7		
L. R. Amperes [A]		64.8/32.4		58.1/29.1				
LRC [A]	_	8.4x(Code K)		6.4x(Code H)		7.1x(Code J)		
No load current [A		4.14/2.07		4.08/2.04		4.20/2.22		
Rated speed [RPN	/]	1765		1460		1465		
Slip [%]		1.94		2.67		2.33		
Rated torque [ft.lb]	1	8.93		10.8		10.8		
Locked rotor torqu		220		150		170		
		330		240				
Breakdown torque	[70]					280		
Service factor		1.15		1.15		1.15		
Temperature rise		80 K		80 K		80 K		
Locked rotor time		27s (cold) 15s (hot)	05	s (cold) 0s (hot)	0s (co	ld) 0s (hot)		
Noise level ²		55.0 dB(A)		53.0 dB(A)		0 dB(A)		
	25%	86.4		85.6		88.0		
	50%	87.5		86.0		87.3		
Efficiency (%)	75%	88.5		86.5				
	100%	89.5		86.7	87.9 86.9 0.37 0.63			
	25%	0.35		0.42				
Power Factor	50%	0.60		0.68				
I UWEI FACIUI	75%	0.73		0.79	0.79 0.76			
	100%	0.80		0.85 0.82		0.82		
	11	Drive end Non drive	and Founda	tion loads				
Bearing type		: 6207 ZZ 6205 Z						
			Wax. ua		: 159 lb			
Sealing		: Without Withou		mpression	: 225 lb			
		Bearing Seal Bearing	Seal					
Lubrication interv	/al	:						
Lubricant amoun	t	:						
Lubricant type		: Mobil Polyrex EM						
Notes USABLE @208V	8.54A SF 1.0)0 SFA 8.54A						
must be eliminate (1) Looking the m	ed. otor from the m and with to	olerance of +3dB(A).		are average values supply, subject to th				
manufacturing pro (4) At 100% of ful	ocess.							
Rev.		Changes Summary		Performed	Checked	Date		
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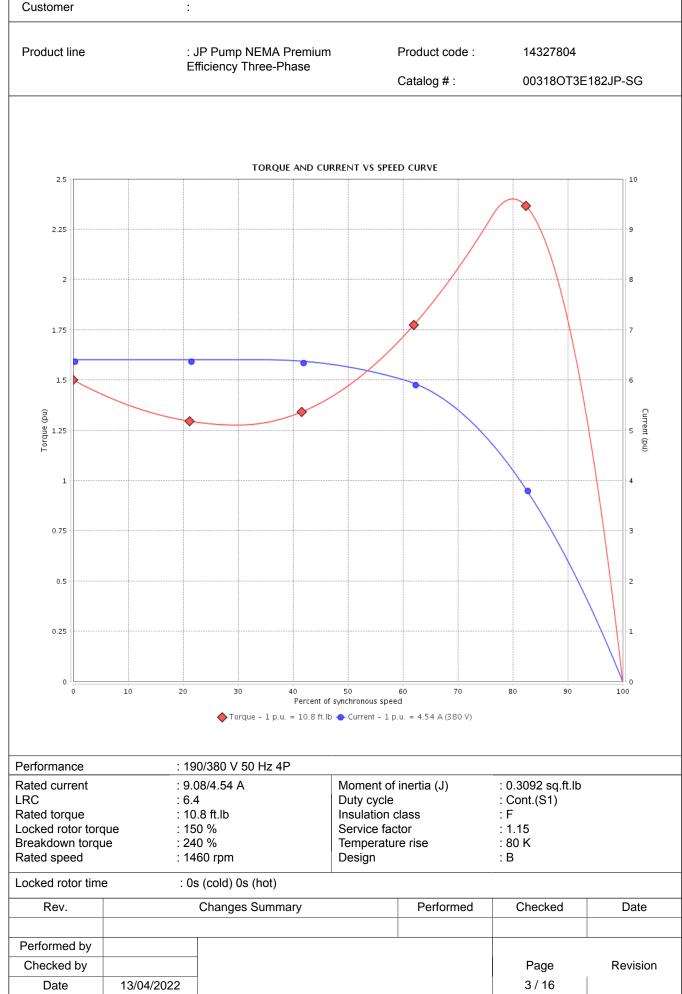


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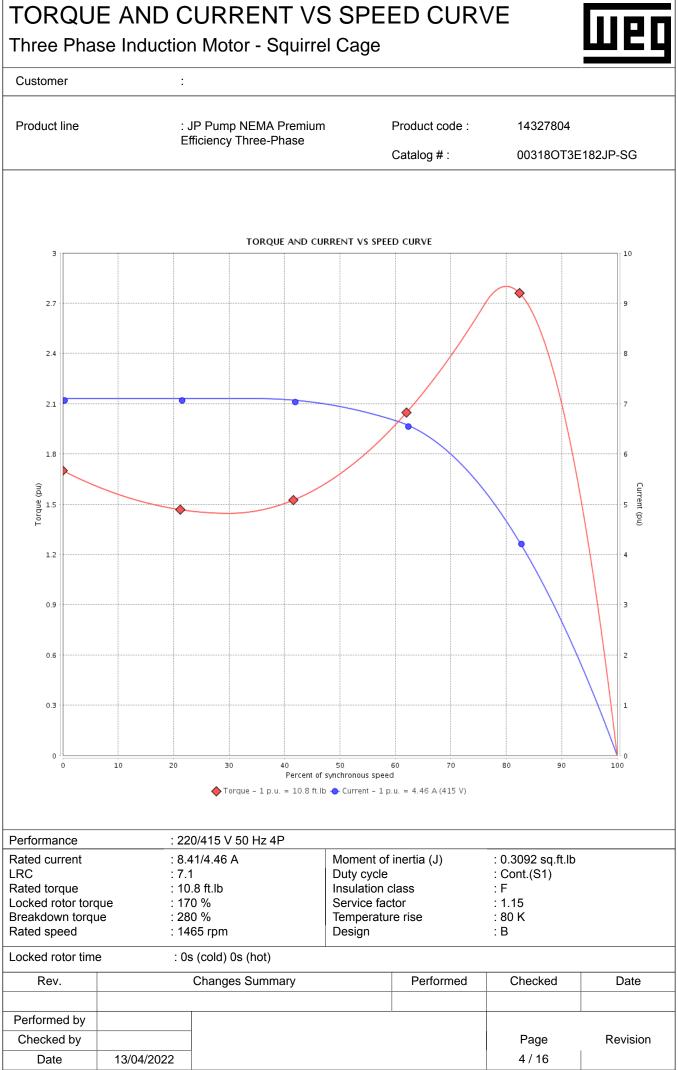
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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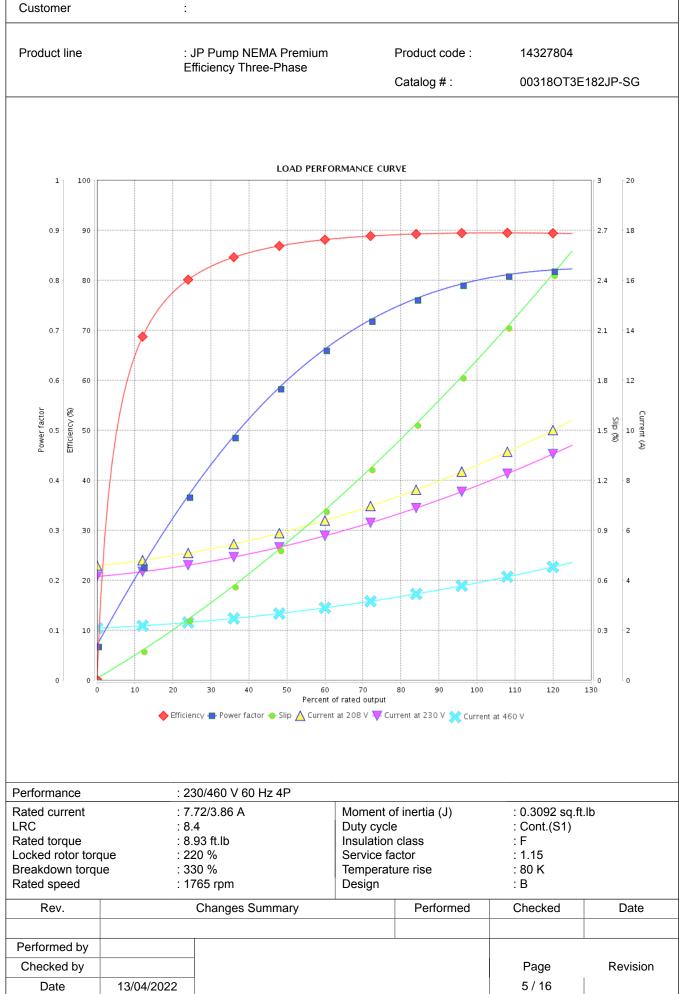


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LOAD PERFORMANCE CURVE

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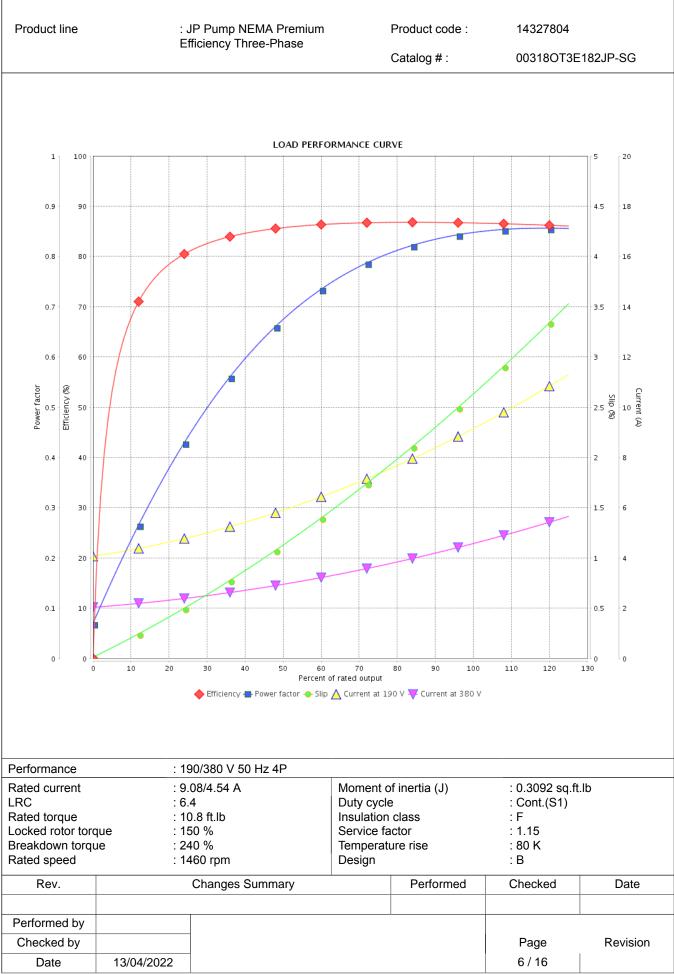
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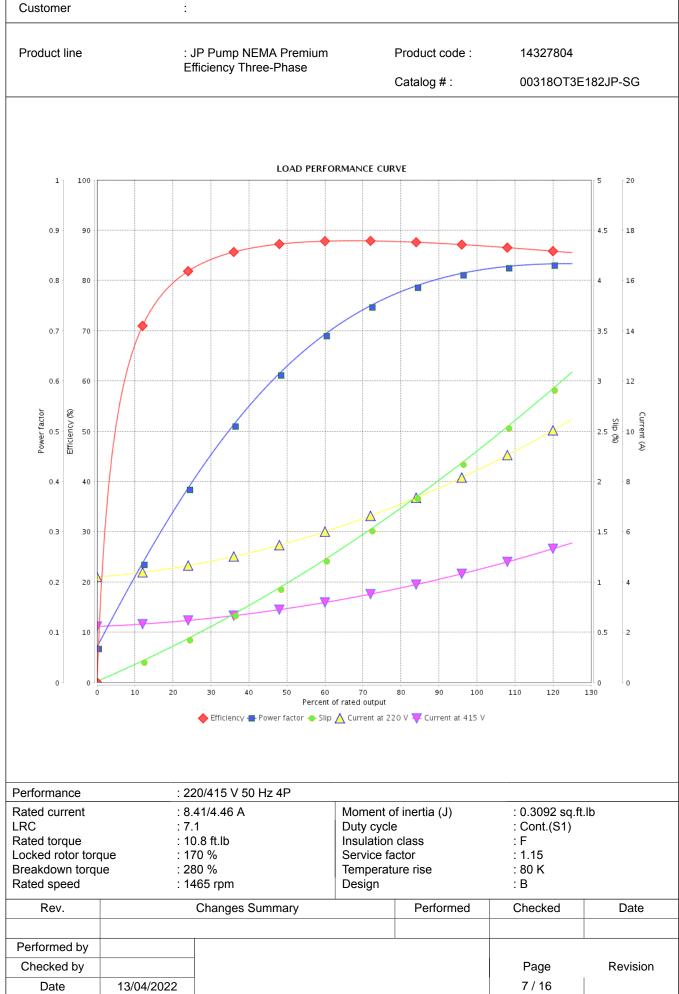
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THERMAL LIMIT CURVE

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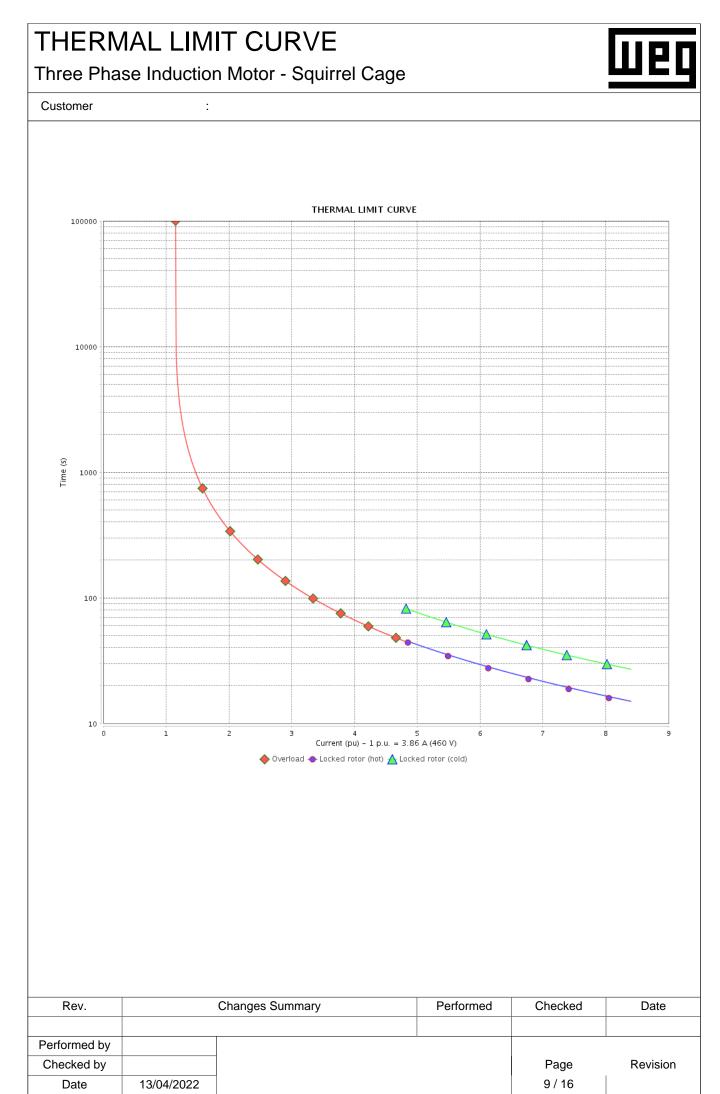


Customer

Product line	uct line : JP Pump NEMA Premium Product cod Efficiency Three-Phase Catalog # :		Product code : Catalog # :	14327804 00318OT3E	182JP-SG	
Performance		30/460 V 60 Hz 4P				
Rated current LRC	: 7. : 8.		72/3.86 A Moment of inertia		J) : 0.3092 sq.ft.lb : Cont.(S1)	
Rated torque				class	: F	
Locked rotor tore	que : 22	: 220 %		ictor	: 1.15	
Breakdown torqu		: 330 %		ure rise	: 80 K	
Rated speed	: 17	765 rpm	Design		: B	
Heating constan						
Cooling constant				,		
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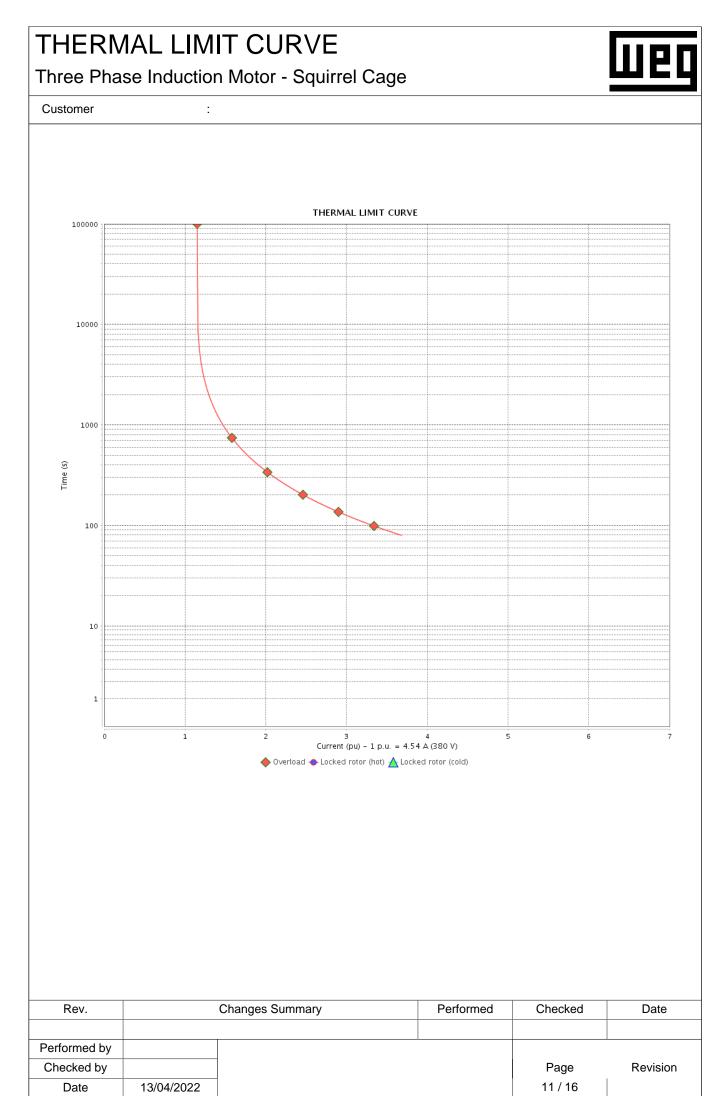


Customer

Product line : JP Pump NEM Efficiency Three		JP Pump NEMA Premium fficiency Three-Phase	MA Premium F e-Phase C		14327804 00318OT3E ⁻	14327804 00318OT3E182JP-SG	
Performance		90/380 V 50 Hz 4P	Momonto	finantia (1)	· 0 2002 og ft l	h	
Rated current : 9.08/4.54 A LRC : 6.4			Moment of inertia (J) Duty cycle		: 0.3092 sq.ft.lb : Cont.(S1)		
Rated torque : 10.8 ft.lb		Insulation class		: F			
Locked rotor torque : 150 % Breakdown torque : 240 %		Service factor Temperature rise		: 1.15 : 80 K			
Rated speed			Design		: B		
Heating constan							
Cooling constant							
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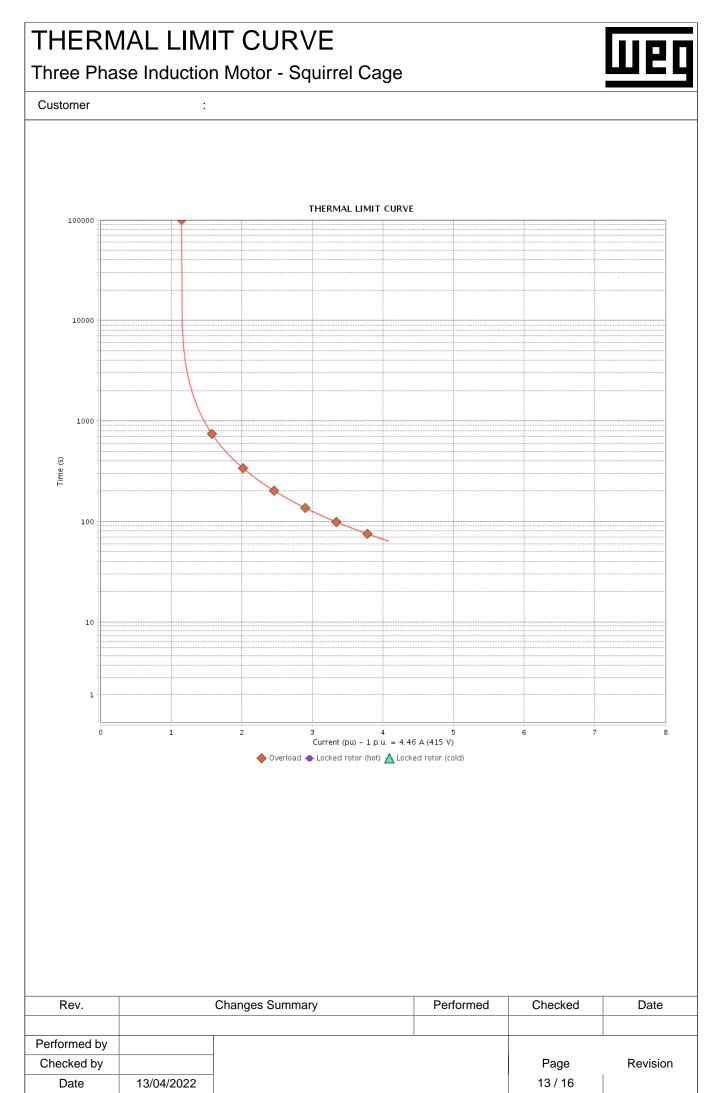


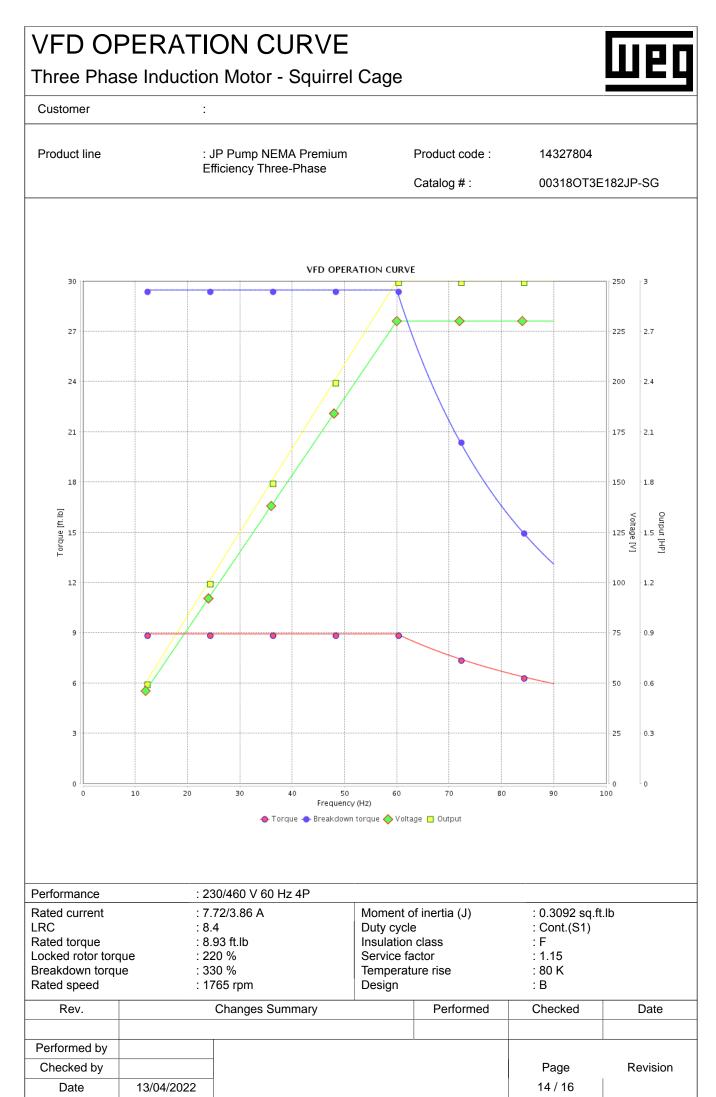
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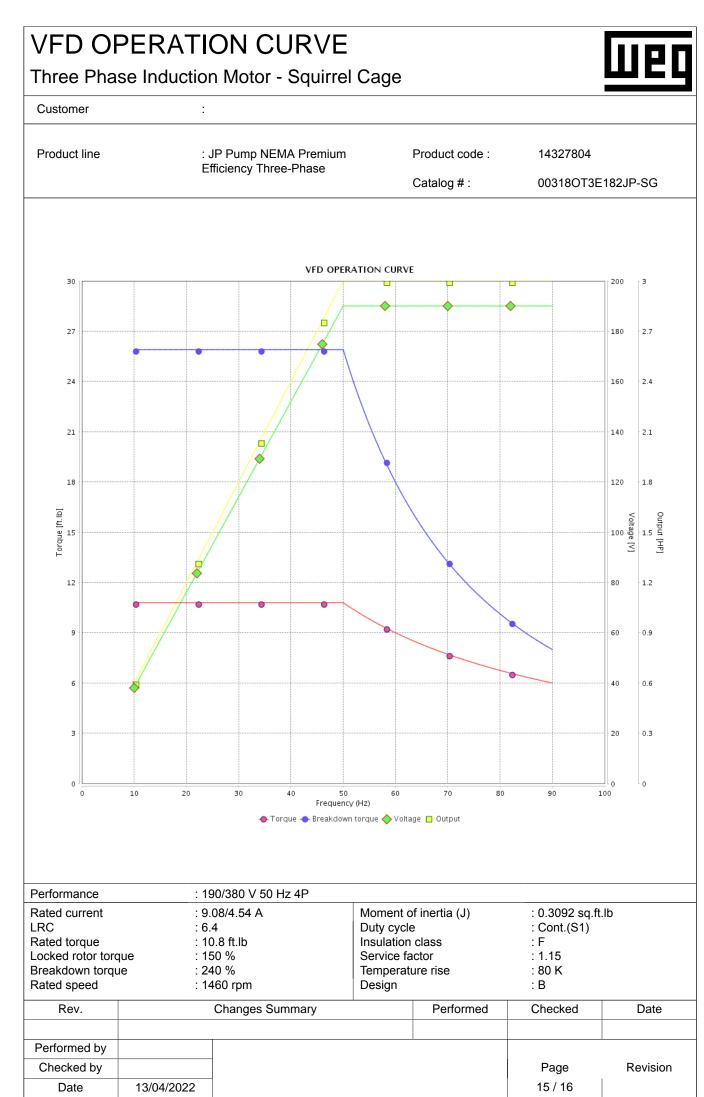
Product line	: JP Pump NEMA Premium Efficiency Three-Phase			Product code :	14327804	
		, ,		Catalog # :	00318OT3E	182JP-SG
Performance		20/415 V 50 Hz 4P				
Rated current: 8.41/4.46 ALRC: 7.1Rated torque: 10.8 ft.lbLocked rotor torque: 170 %Breakdown torque: 280 %Rated speed: 1465 rpm		1 D.8 ft.lb 70 % 30 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3092 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
			Looigi			
Heating constant						
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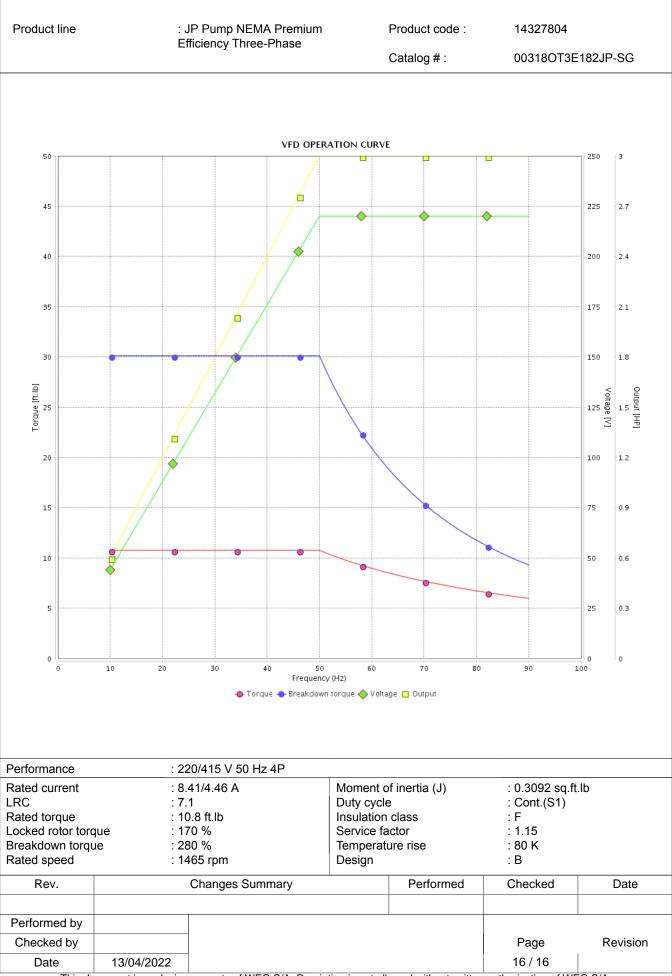
VFD OPERATION CURVE

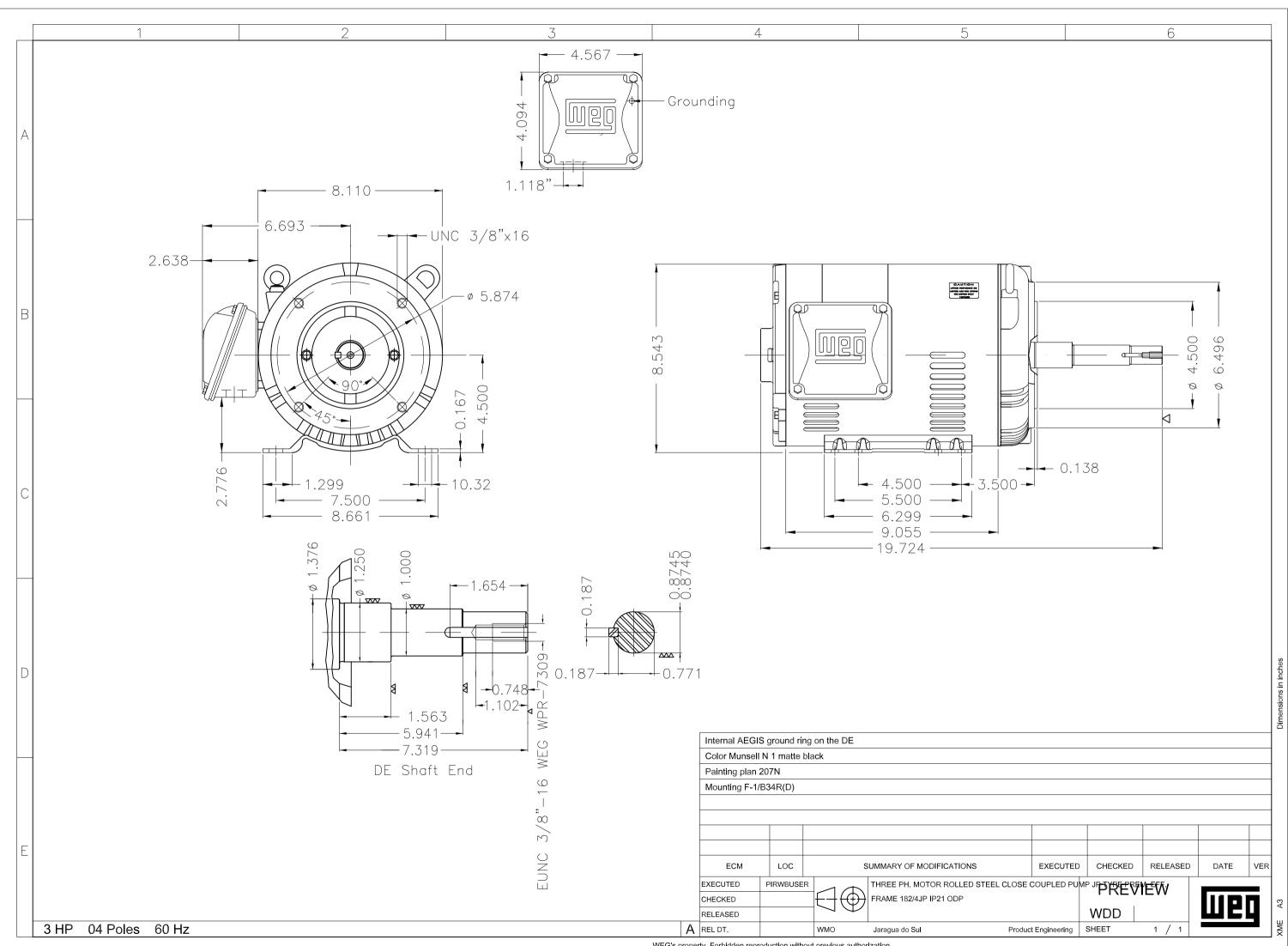
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