DATA SHEET

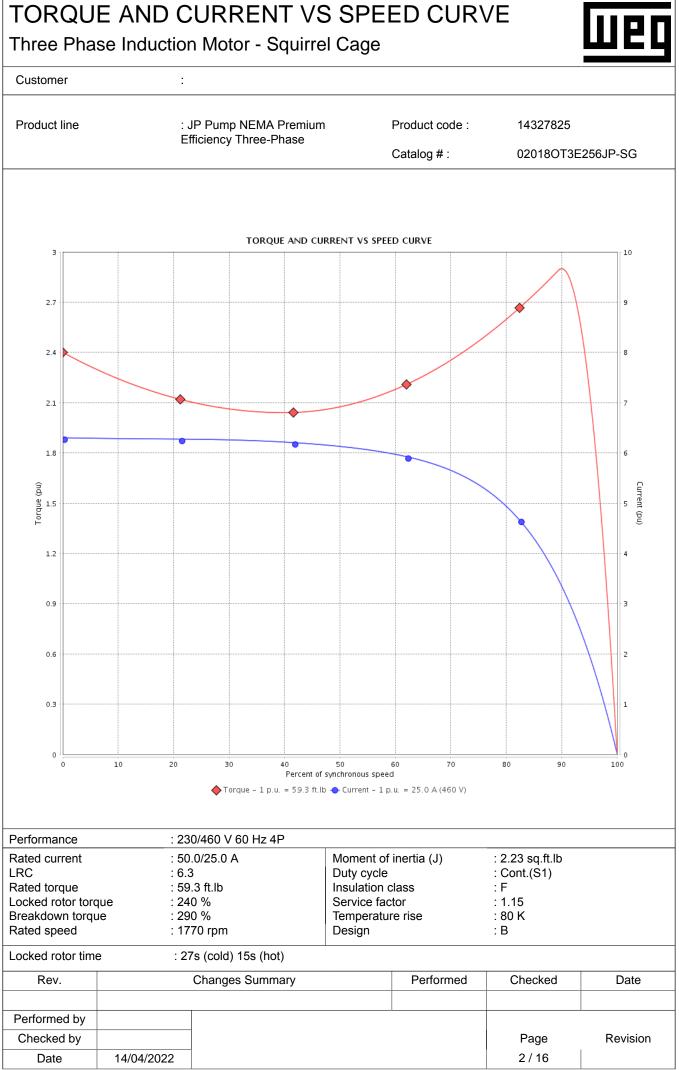
Three Phase Induction Motor - Squirrel Cage

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Customer

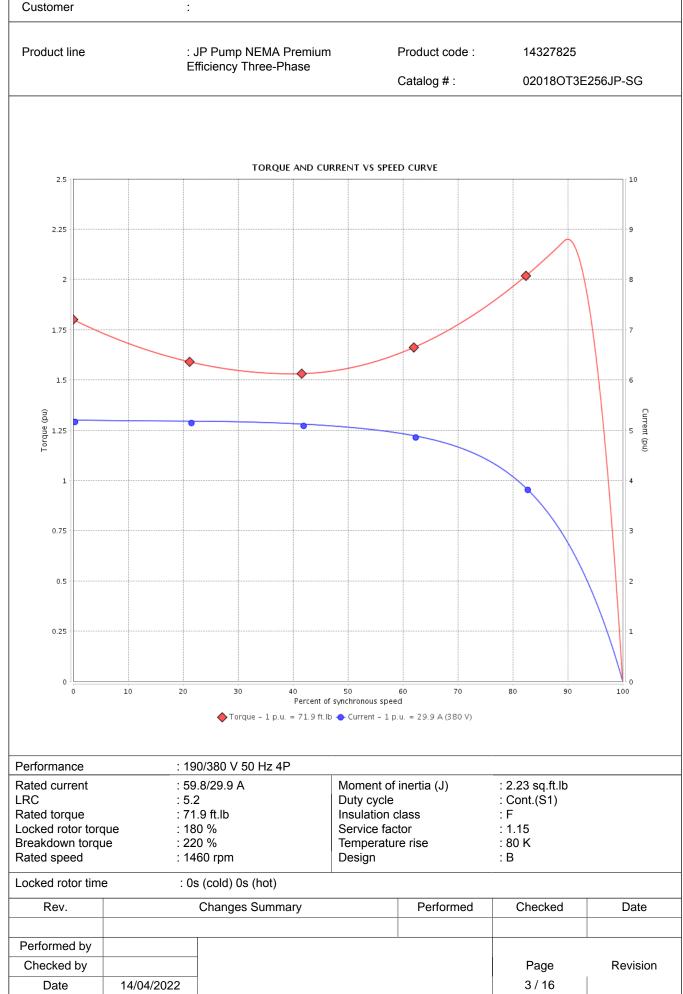
Product line		: JP Pump NEMA Premium	Product code :		14327825 02018OT3E256JP-SG		
	Efficiency Three-Phase Catalog # :		:				
Frame		: 254/6JP	Cooling method		: IC01 - ODI	5	
Insulation class		: F	Mounting		: F-1		
Duty cycle		: Cont.(S1)	Rotation ¹		: Both (CW	and CCW)	
Ambient tempera	atura	: -20°C to +40°C	Starting method		: Direct On Line		
Altitude	ature	: 1000 m.a.s.l.	Approx. weight ³		: 198 lb		
				(1)		h	
Design		: B	Moment of inertia	(J)	: 2.23 sq.ft.l	D	
Dutput [HP]		20	20			20	
Poles		4	4			4	
Frequency [Hz]		60	50			50	
Rated voltage [V]		230/460	190/380		220/415		
Rated current [A]		50.0/25.0		59.8/29.9		.0/28.6	
			311/155		313/166		
R. Amperes [A]		315/158					
.RC [A]		6.3x(Code G)	5.2x(Code F)		5.8x(Code G)		
No load current [A		22.9/11.4	22.4/11.2		23.6/12.5		
Rated speed [RPN	Л]	1770	1460		1465		
Slip [%]		1.67	2.67		2.33		
Rated torque [ft.lb]]	59.3	71.9			71.7	
_ocked rotor torqu		240	180			200	
Breakdown torque		290		220		250	
	. [\0]						
Service factor		1.15		1.15		1.15	
Temperature rise		80 K		80 K		80 K	
_ocked rotor time		27s (cold) 15s (hot)		0s (cold) 0s (hot)		0s (cold) 0s (hot)	
Noise level ²		64.0 dB(A)	62.0 dB(A)		62.0 dB(A)		
	25%	91.7	93.0		92.2		
	50%	92.4	91.8		91.4		
Efficiency (%)	75%	92.4	91.2		91.3		
Efficiency (%)	100%	93.0	89.7		90.2		
	25%				0.41		
		0.38	0.46				
Power Factor	50%	0.63	0.72			0.68	
	75%	0.74	0.82		0.79		
	100%	0.81	0.81 0.85			0.84	
		Drive end Non drive end	Foundation loads				
Bearing type		: 6309 Z C3 6208 Z C3	Max. traction		: 761 lb		
Sealing		: Without Without	Max. compression		: 959 lb		
		Bearing Seal Bearing Seal					
Lubrication interv		: 20000 h 20000 h					
Lubricant amoun	it	: 13 g 8 g					
Lubricant type		: Mobil Polyrex EM	Mobil Polyrex EM				
Notes USABLE @208V	55.3A SF 1.0	00 SFA 55.3A					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with to	olerance of +3dB(A).	These are average power supply, subj MG-1.				
(3) Approximate v manufacturing pro(4) At 100% of ful	veight subjec ocess.						
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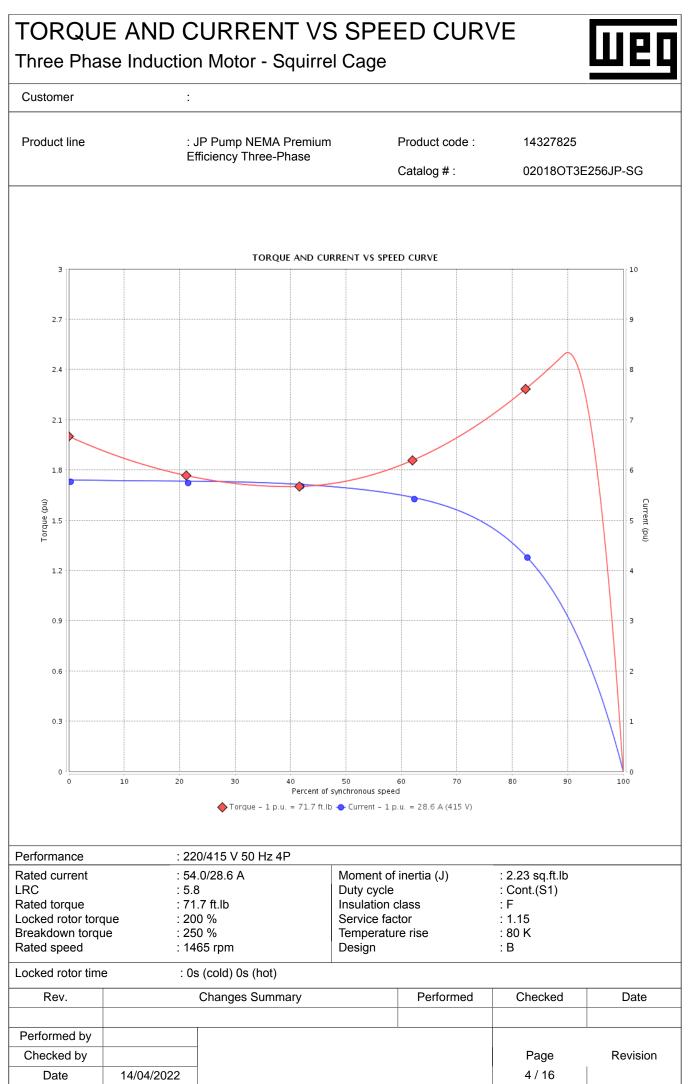
TORQUE AND CURRENT VS SPEED CURVE

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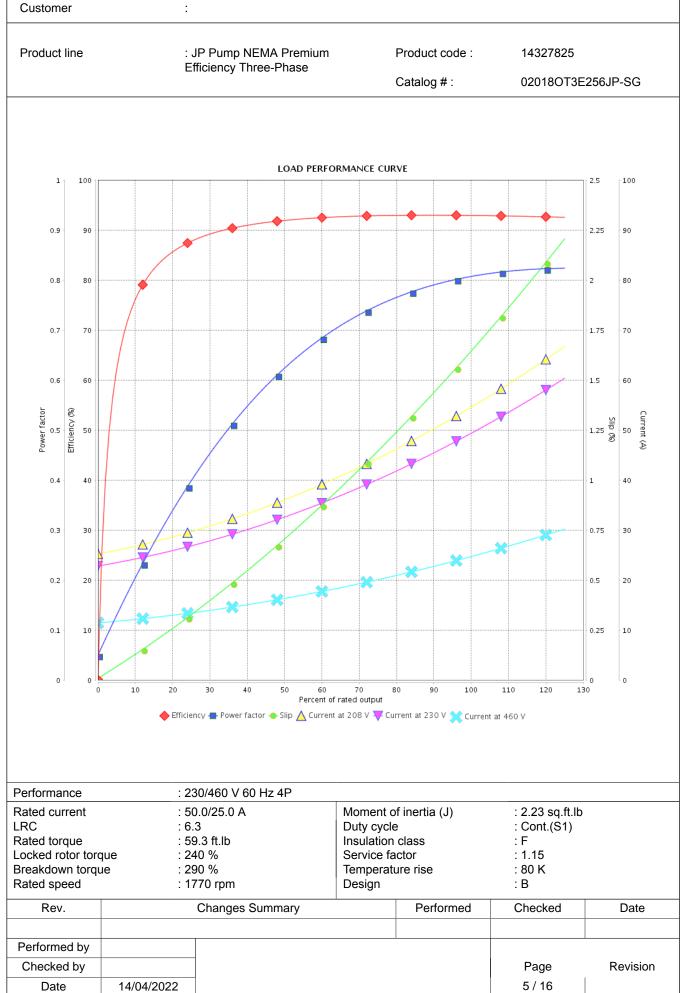
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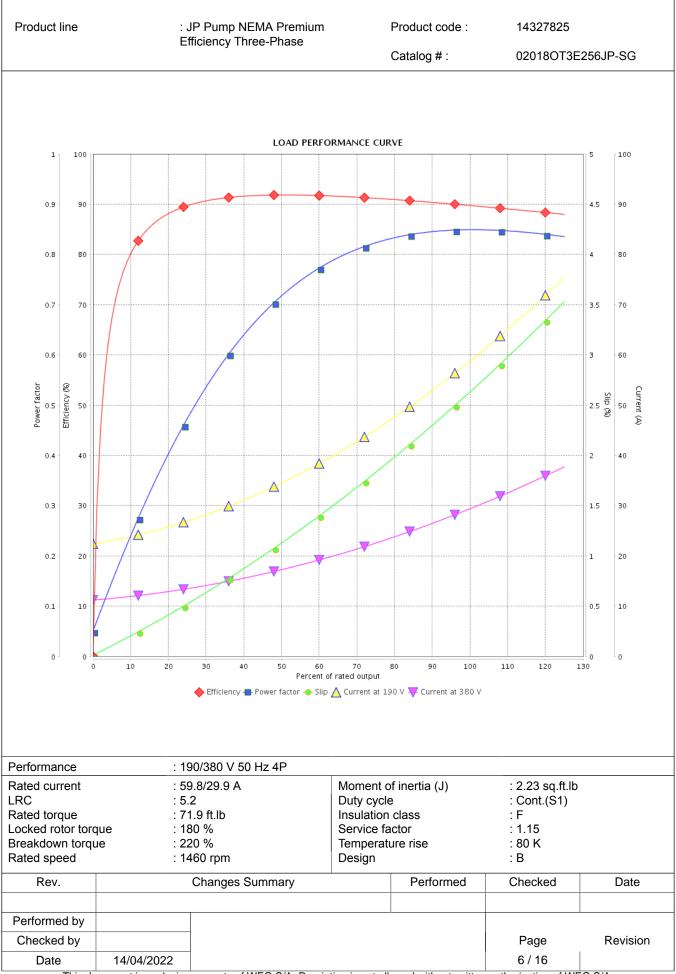
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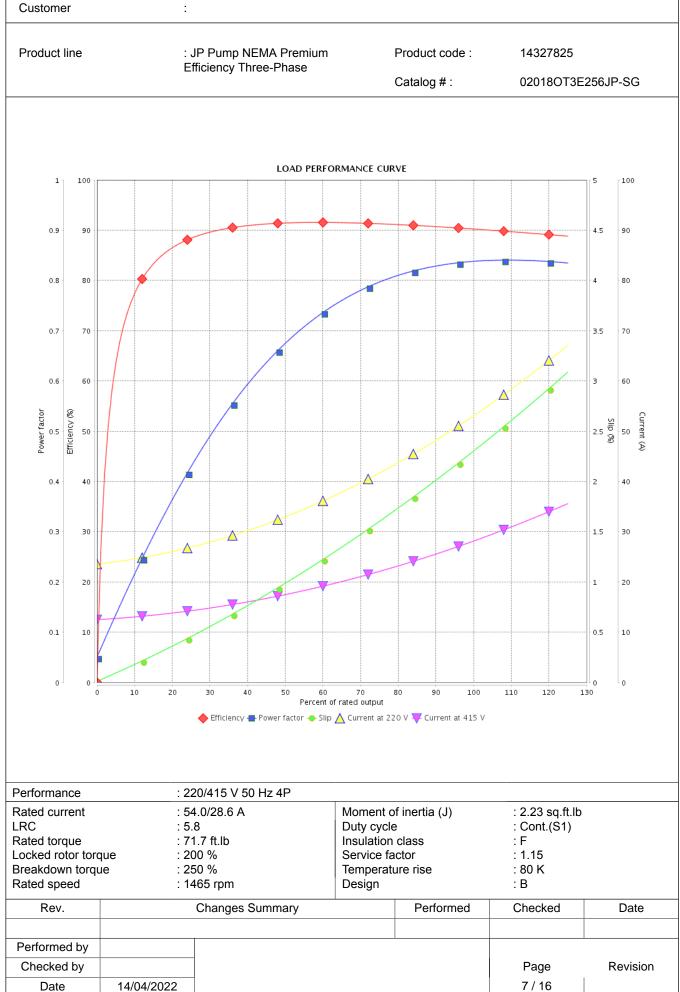
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THERMAL LIMIT CURVE

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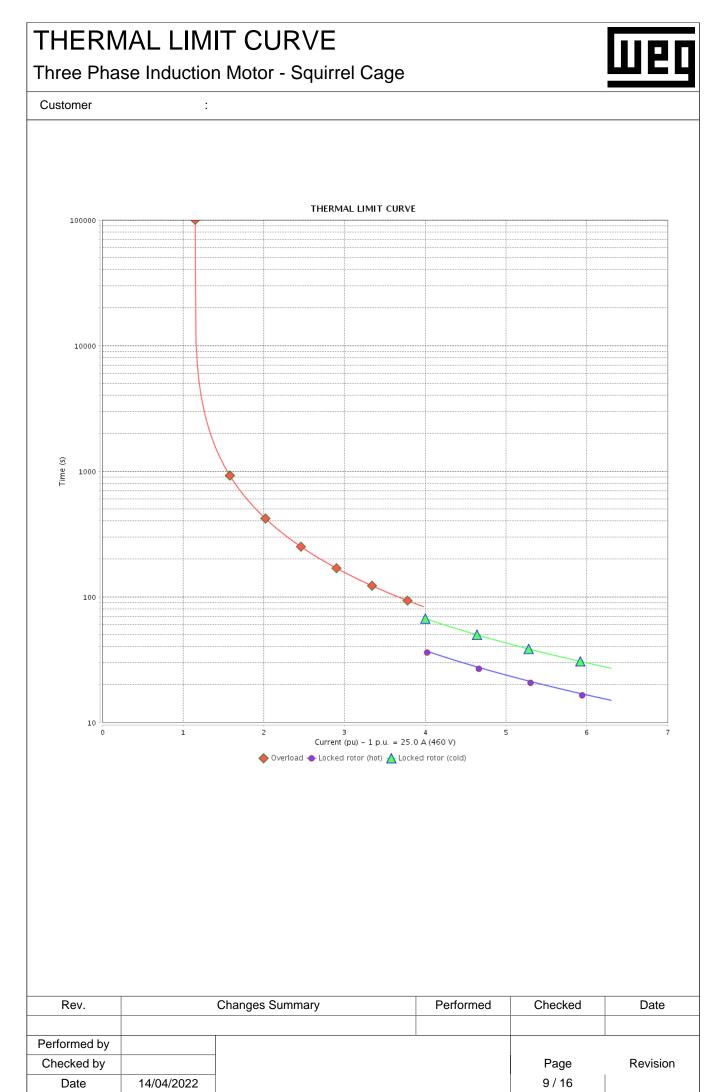


Customer

Product line	Product line : JP Pump NEMA Premium Efficiency Three-Phase			Product code : Catalog # :	14327825 02018OT3E256JP-SG	
Performance	: 23	30/460 V 60 Hz 4P				
LRC: 6Rated torque: 5Locked rotor torque: 2Breakdown torque: 2		.0/25.0 AMoment3Duty cyc.3 ft.lbInsulatio0 %Service0 %Tempera70 rpmDesign		class ctor	: 2.23 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Heating constant						
Cooling constant Rev.		Changes Summers		Performed	Checked	Date
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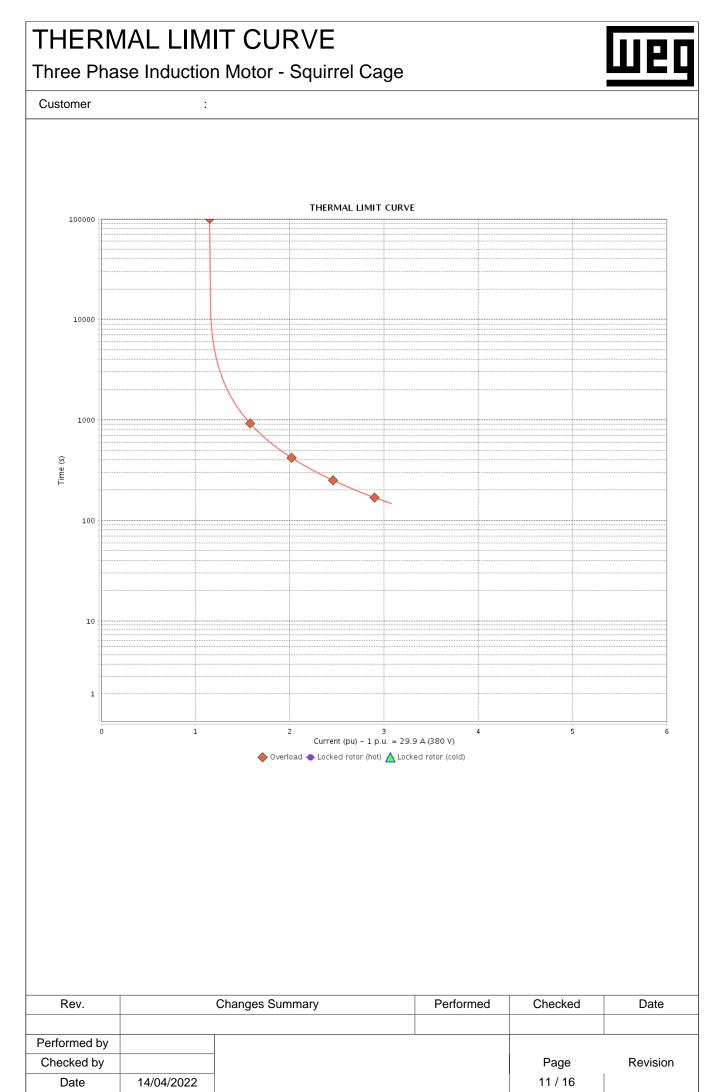


Customer

		: JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14327825 02018OT3E256JP-SG	
Performance	• 10	90/380 V 50 Hz 4P				
Rated current		9.8/29.9 A	Moment o	f inertia (I)	: 2.23 sq.ft.lb	
LRC	: 5.		Moment of inertia (J) Duty cycle		: Cont.(S1)	
Rated torque	: 71	1.9 ft.lb	Insulation	class	: F	
Locked rotor toro		30 %	Service fa		: 1.15	
Breakdown torqu Rated speed		20 % 460 rpm	Temperatu Design	lie fise	: 80 K : B	
			Design		. D	
Heating constant						
Cooling constant		Changes Summer		Dorformer!	Checker	Data
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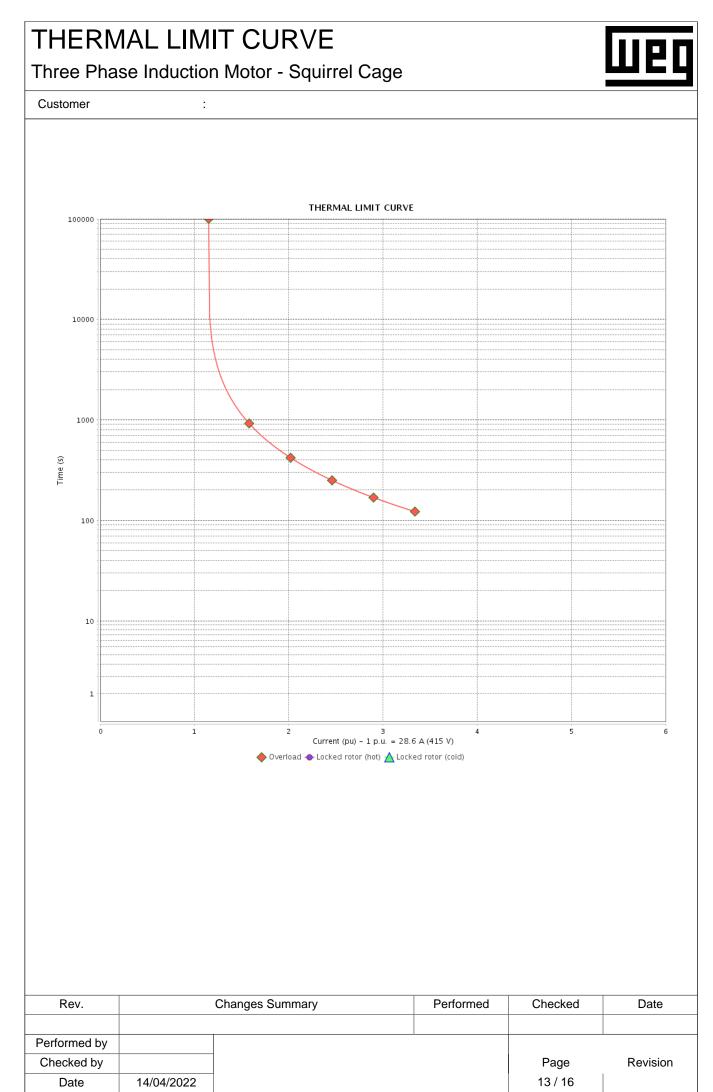


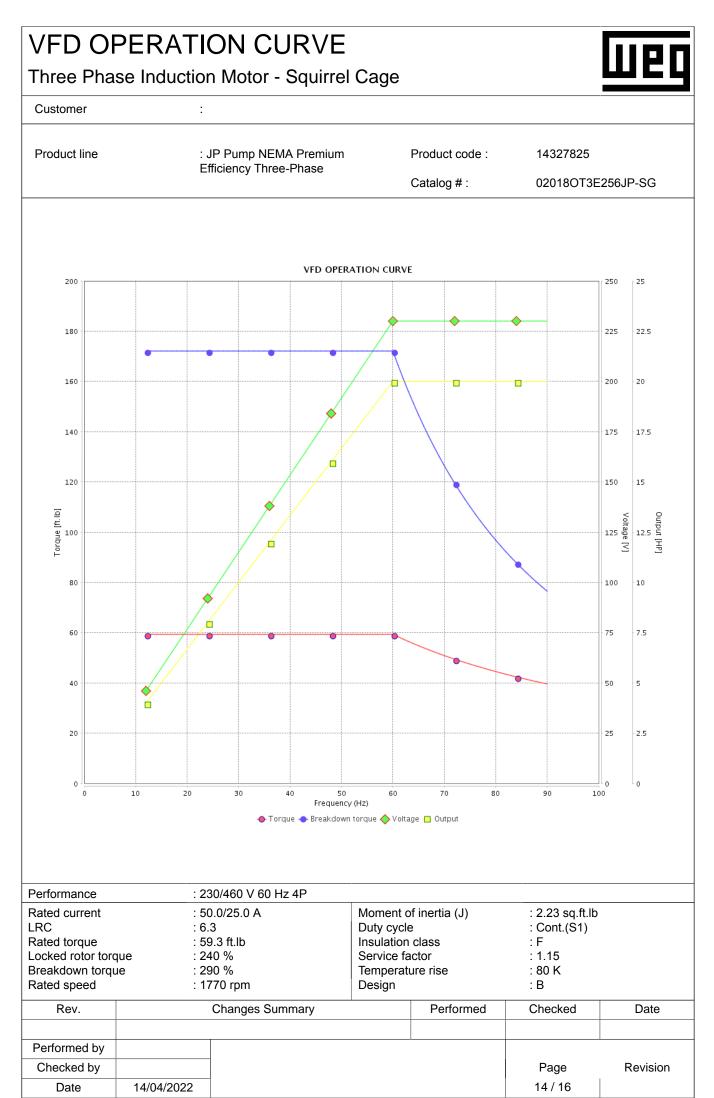
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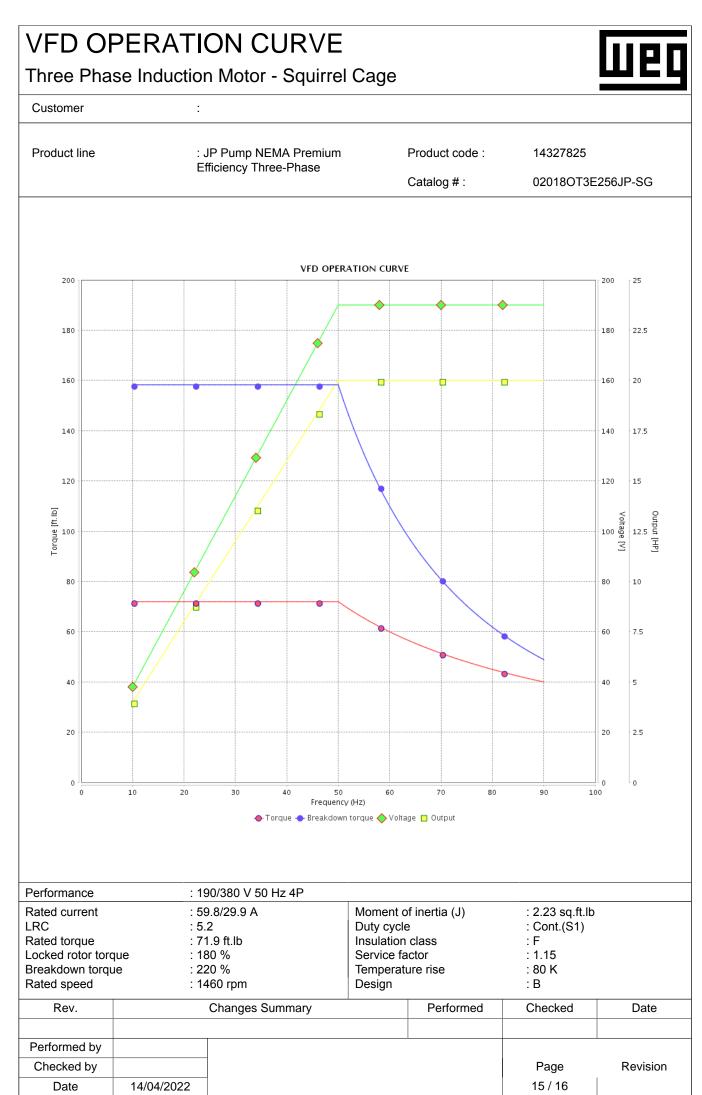
Product line : JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :		14327825 02018OT3E256JP-SG		
Performance	: 22	20/415 V 50 Hz 4P				
LRC: 5Rated torque <td: 7<="" td="">Locked rotor torque<td: 2<="" td="">Breakdown torque<td: 2<="" td=""></td:></td:></td:>		.0/28.6 AMoment3Duty cyc.7 ft.lbInsulatio0 %Service0 %Tempera65 rpmDesign		class ctor	: 2.23 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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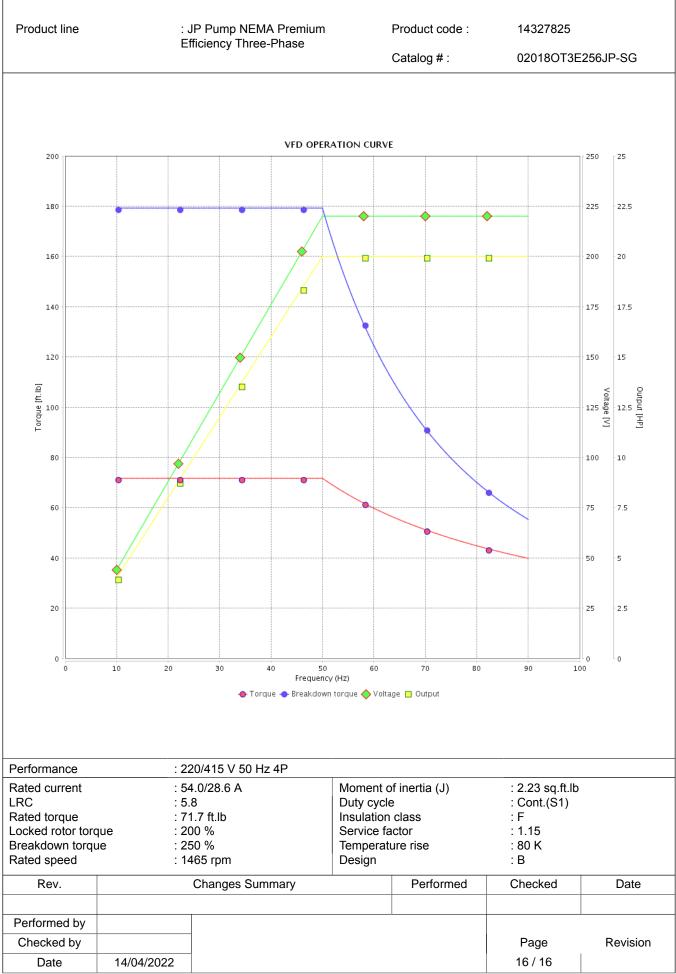
VFD OPERATION CURVE

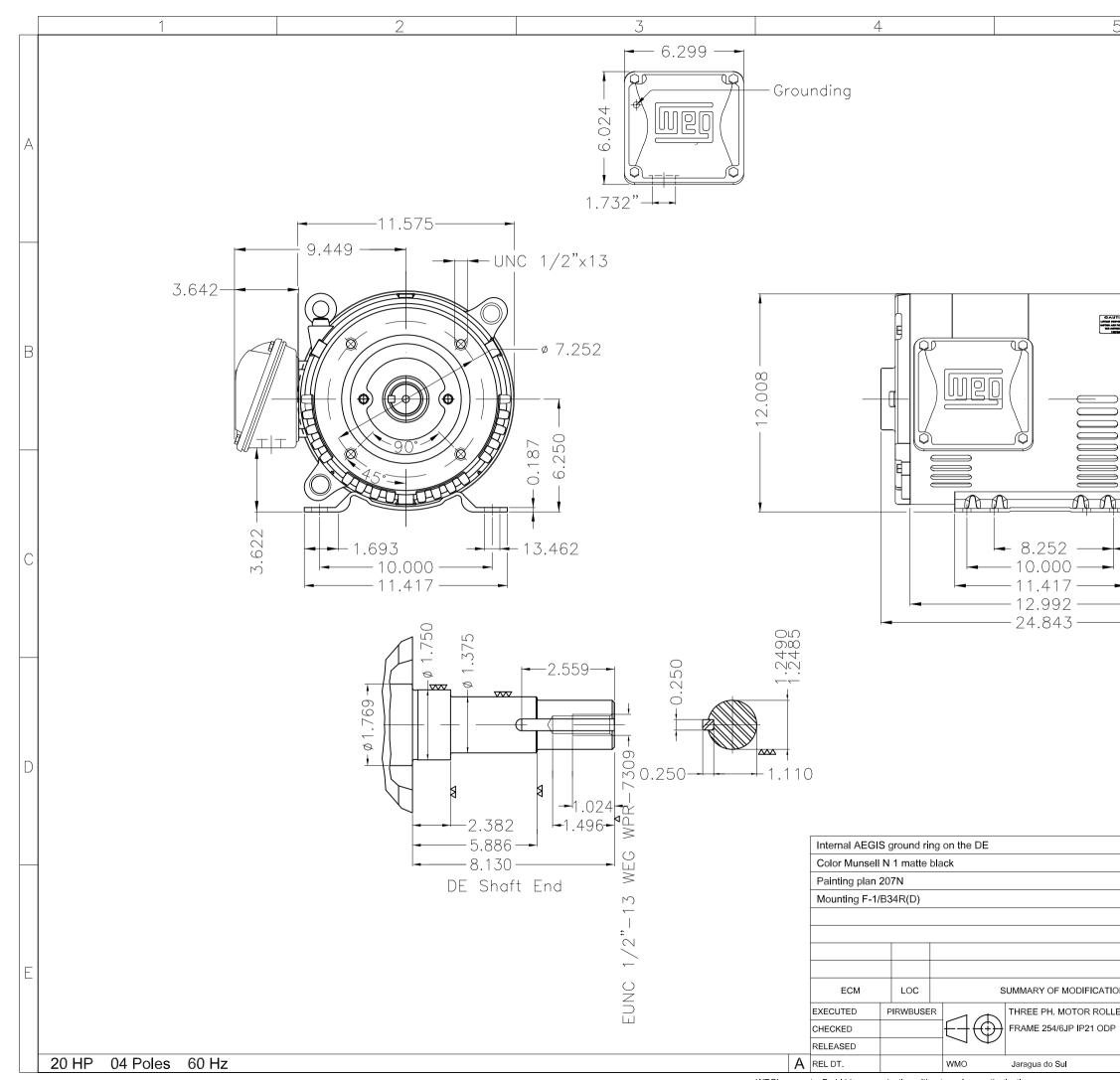
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