# DATA SHEET

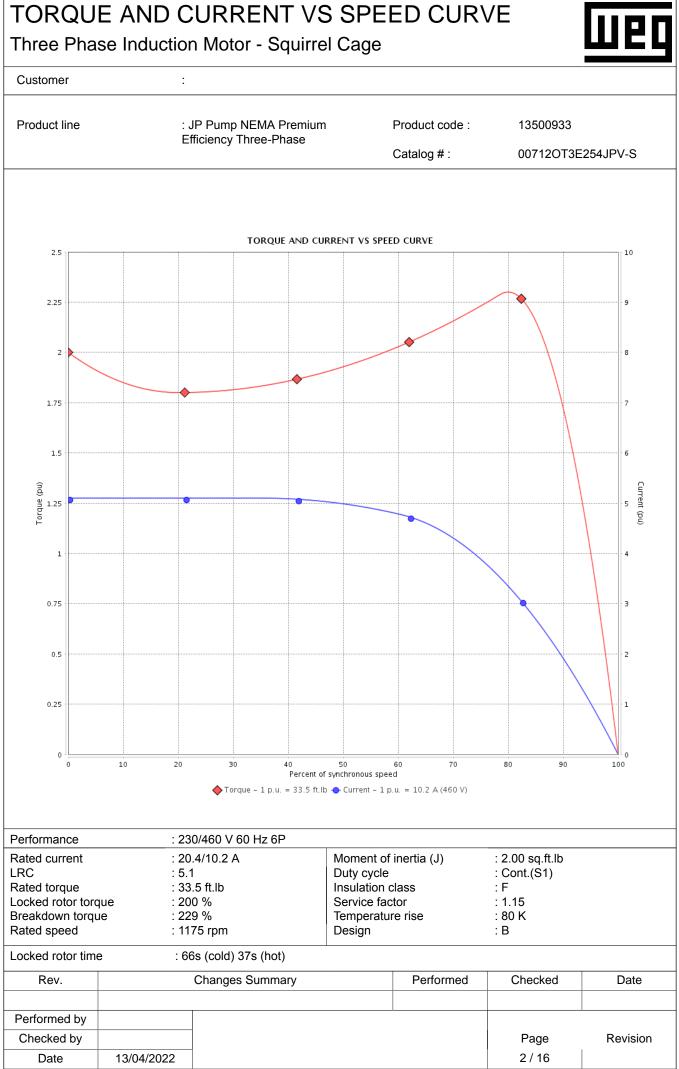
Three Phase Induction Motor - Squirrel Cage

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#### Customer

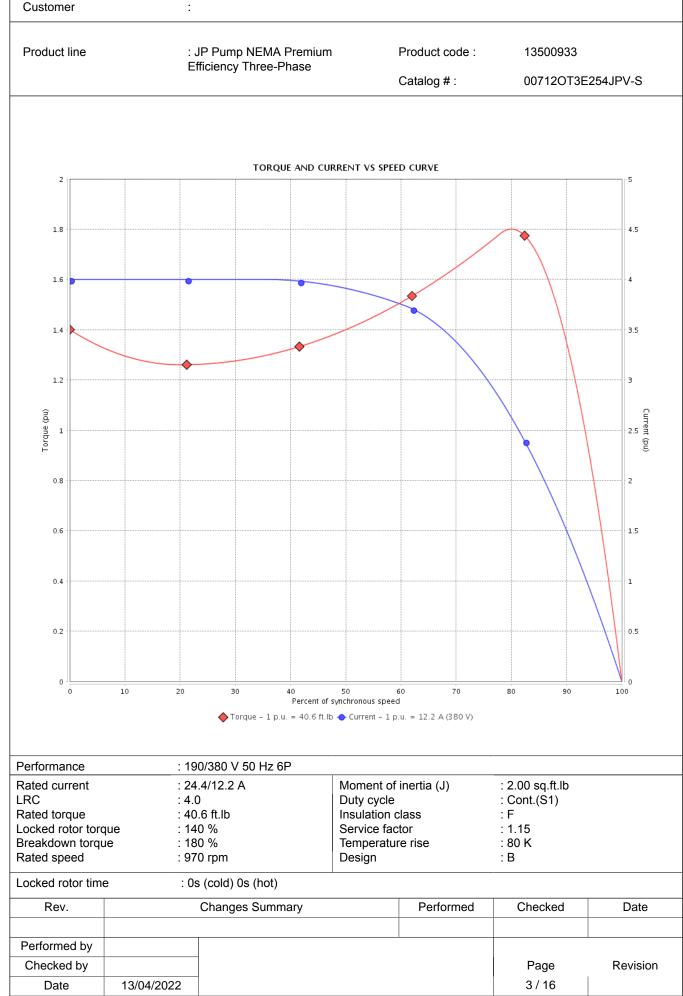
		: JP Pump NEMA Premium Efficiency Three-Phase	Product code :	13500933		
			Catalog # :	00712OT3E254JPV-S		
Frame		: 254/6JP	Cooling method	: IC01 - ODP		
Insulation class		:F	Mounting	: W-6		
Duty cycle		: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)		
Ambient tempera			Starting method	: Direct On Line		
Altitude		: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 187 lb		
Design		: B	Moment of inertia (J)	: 2.00 sq.ft.lb		
Output [HP]		7.5	7.5	7.5		
Poles		6	6	6		
Frequency [Hz]		60	50	50		
Rated voltage [V]		230/460	190/380	220/415		
Rated current [A]		20.4/10.2	24.4/12.2	22.1/11.7		
L. R. Amperes [A]		104/52.0	97.6/48.8	99.3/52.6		
LRC [A]		5.1x(Code F)	4.0x(Code D)	4.5x(Code E)		
No load current [A	]	10.7/5.37	10.6/5.30	10.8/5.72		
Rated speed [RPN	-	1175	970	970		
Slip [%]	.1	2.08	3.00	3.00		
Rated torque [ft.lb]	1	33.5	40.6	40.6		
Locked rotor torque		200	140	160		
Breakdown torque		229	140	200		
Service factor	, [ ,0]	1.15	1.15	1.15		
Temperature rise		80 K	80 K	80 K		
Locked rotor time		66s (cold) 37s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)		
Noise level <sup>2</sup>		59.0 dB(A)	57.0 dB(A)	57.0 dB(A)		
	25%	88.2	90.1	89.8		
	50%	88.5	89.3	89.0		
Efficiency (%)	50% 75%	90.2	89.3	89.0		
	100%	90.2	89.1	89.3		
	25%	0.33	0.39	0.35		
	25% 50%	0.33	0.63	0.35		
Power Factor	75%	0.68	0.63	0.59		
		0.68	0.74			
	100%			0.77		
Deering of the second		Drive end Non drive end				
Bearing type		: 6309 Z C3 6208 Z C3	Max. traction	: 296 lb		
Sealing		: Without Without	Max. compression	: 483 lb		
		Bearing Seal Bearing Seal				
Lubrication interval		: 20000 h 20000 h				
1 1 2 1	IT	: 13 g 8 g	1			
Lubricant amoun		MARKED IN THE				
Lubricant amoun Lubricant type		: Mobil Polyrex EM				
	22.6A SF 1.	· · · · · · · · · · · · · · · · · · ·				
Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m	aces and car ed. lotor from the Im and with t veight subject	00 SFA 22.6A ncel the previous one, which e shaft end. olerance of +3dB(A).		pased on tests with sinusoidal tolerances stipulated in NEMA		
Lubricant type 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 Im and with t veight subjec ocess.	00 SFA 22.6A ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the MG-1.	e tolerances stipulated in NEMA		
Lubricant type 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 Im and with t veight subjec ocess.	00 SFA 22.6A ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the			
Lubricant type 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 Im and with t veight subjec ocess.	00 SFA 22.6A ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the MG-1.	e tolerances stipulated in NEMA		
Lubricant type 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.	aces and car ed. lotor from the Im and with t veight subjec ocess.	00 SFA 22.6A ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the MG-1.	e tolerances stipulated in NEMA		



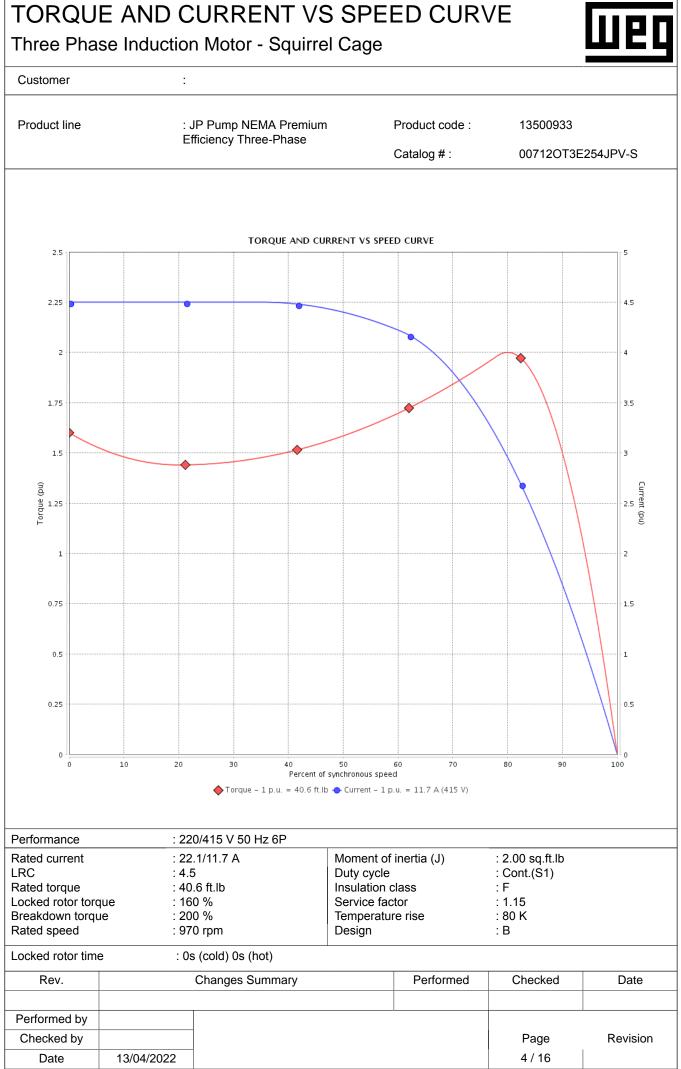
## TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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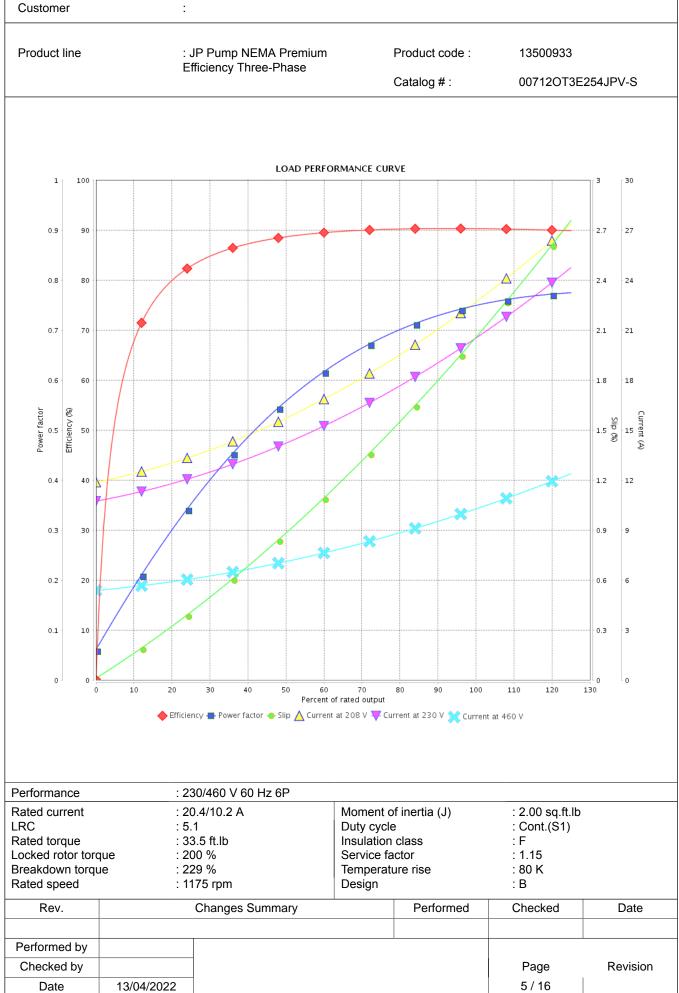
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# LOAD PERFORMANCE CURVE

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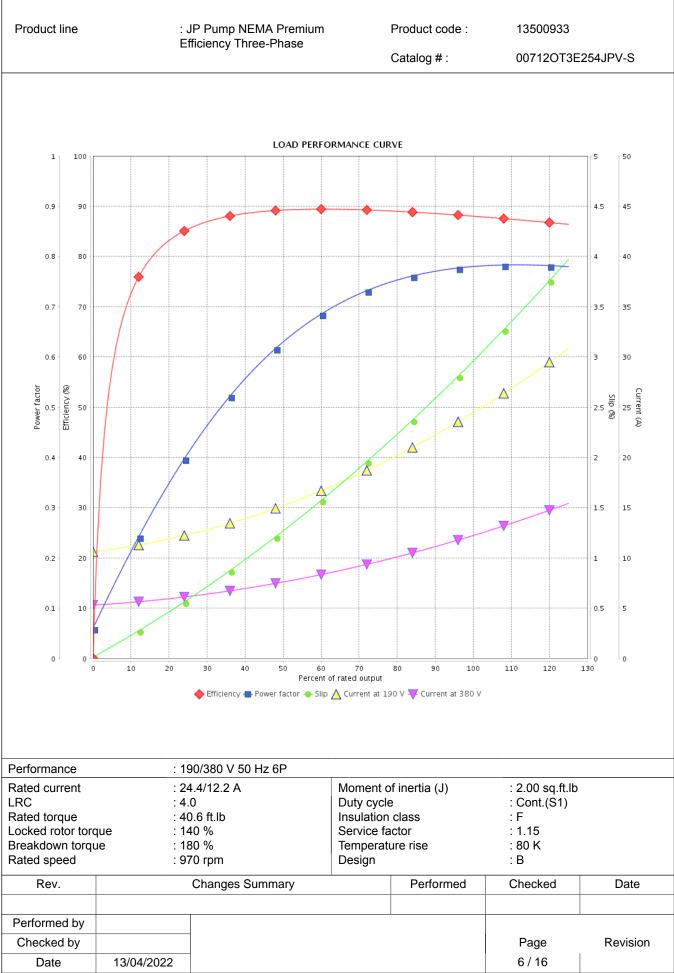
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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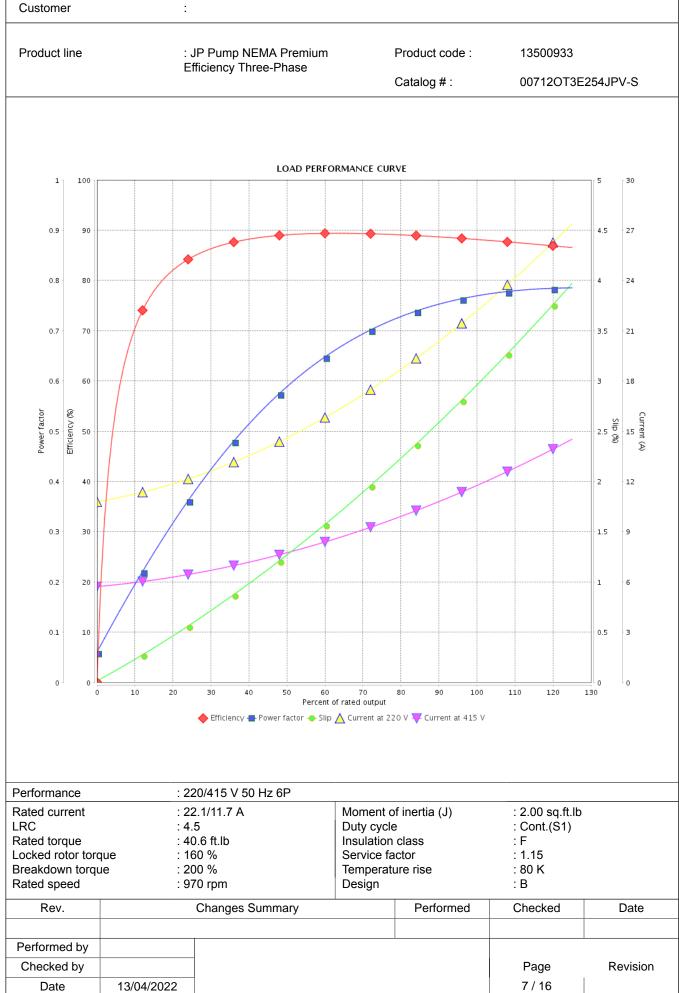
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# LOAD PERFORMANCE CURVE

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# THERMAL LIMIT CURVE

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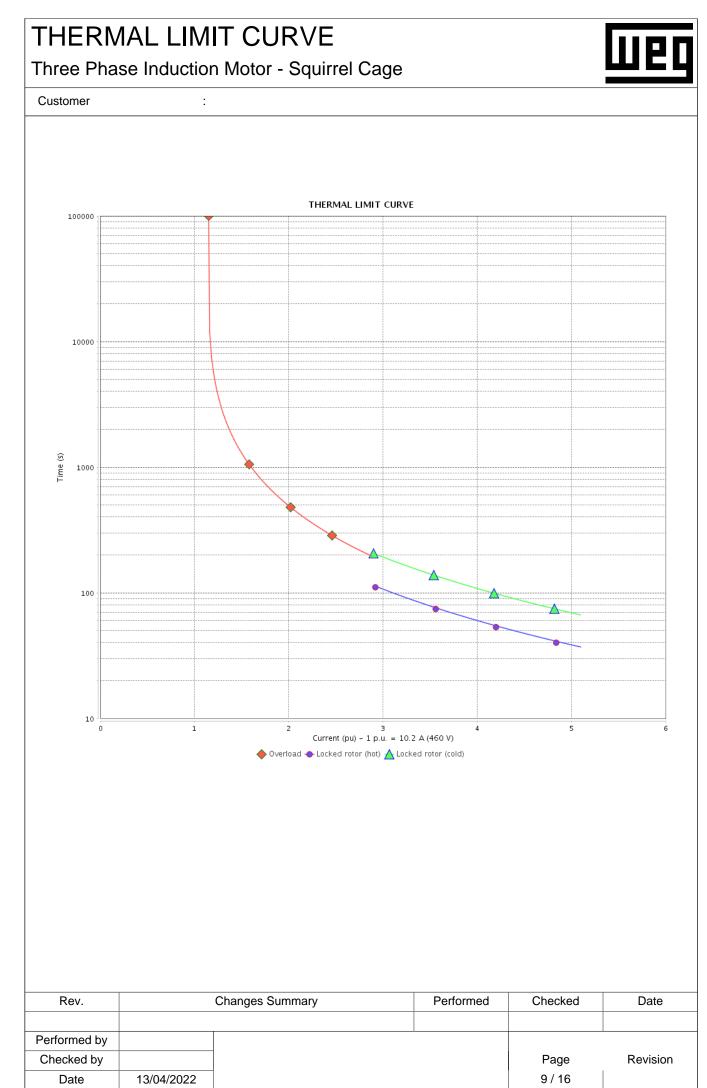


Customer

Product line	: . E1	JP Pump NEMA Premium fficiency Three-Phase	Product code :		13500933	
		,		Catalog # :	00712OT3E2	54JPV-S
						34JF V-3
Performance	• 23	30/460 V 60 Hz 6P				
Rated current		0.4/10.2 A	Moment o	f inertia (J)	: 2.00 sq.ft.lb	
LRC Rated torque Locked rotor toro Breakdown torqu	: 5. : 33 que : 20 Je : 22	1 3.5 ft.lb 00 % 29 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.15 : 80 K	
Rated speed	: 11	175 rpm	Design		: B	
Heating constan						
Cooling constant				· · · · · ·	1	
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# THERMAL LIMIT CURVE

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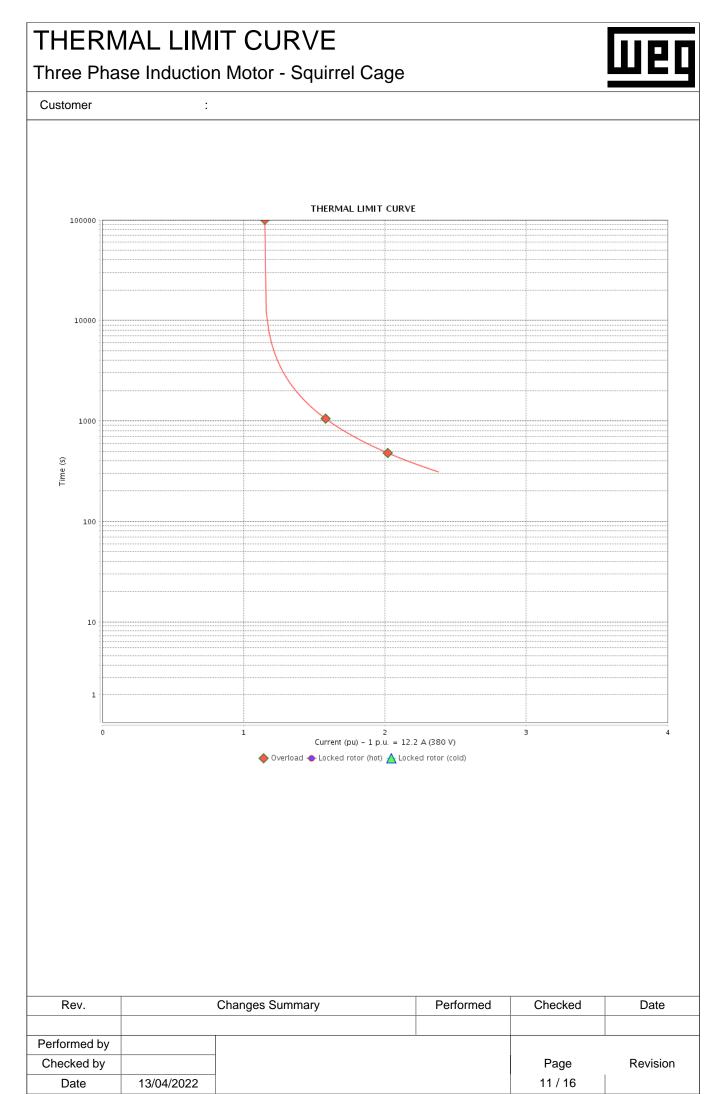


Customer

		: JP Pump NEMA Premium Efficiency Three-Phase			4050000	
Product line	: . Ef			Product code :	13500933	
				Catalog # :	00712OT3E2	254JPV-S
Performance	: 19	90/380 V 50 Hz 6P				
Rated current		4.4/12.2 A	Moment o	f inertia (J)	: 2.00 sq.ft.lb	
LRC Rated torque	: 4. · 4(	0 ).6 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tore	que : 14	40 %	Service fa	ctor	: 1.15	
Breakdown torque : 180 %		Temperature rise		: 80 K		
Rated speed		70 rpm	Design		: B	
Heating constan						
Cooling constan		Ohan maa O				
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# THERMAL LIMIT CURVE

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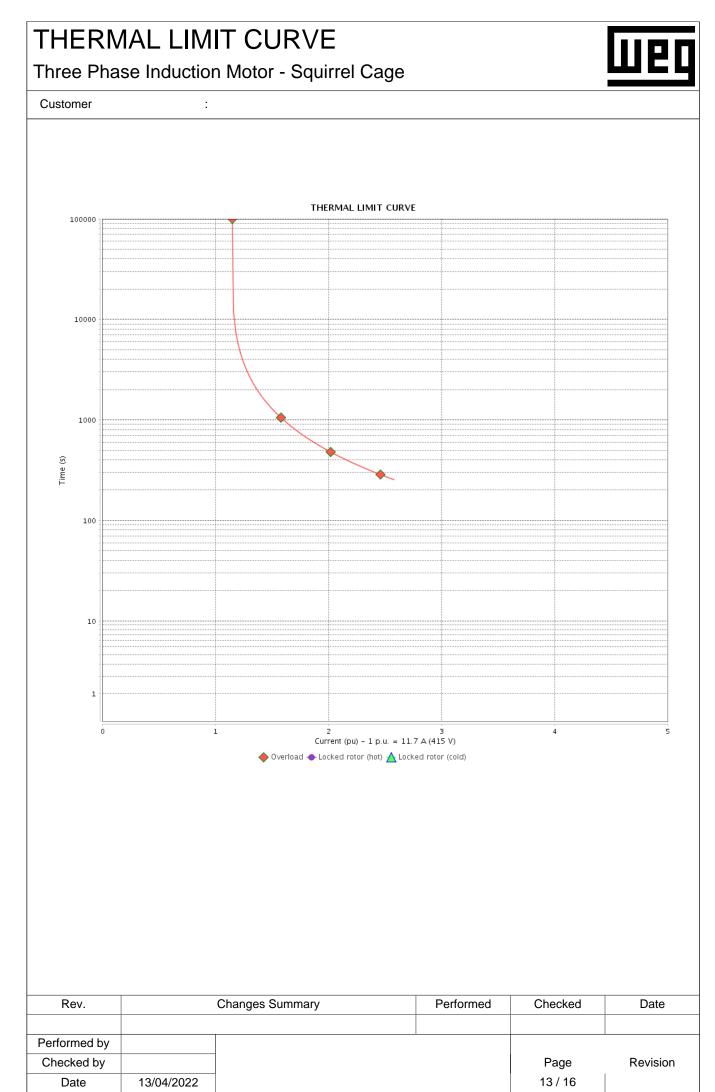


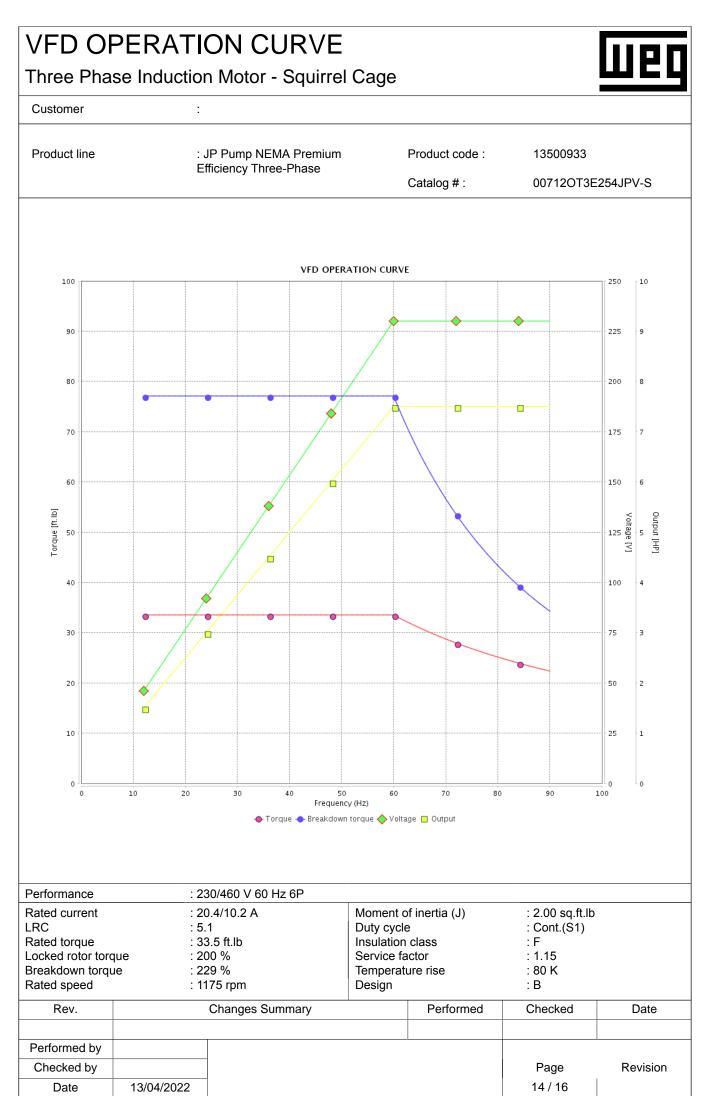
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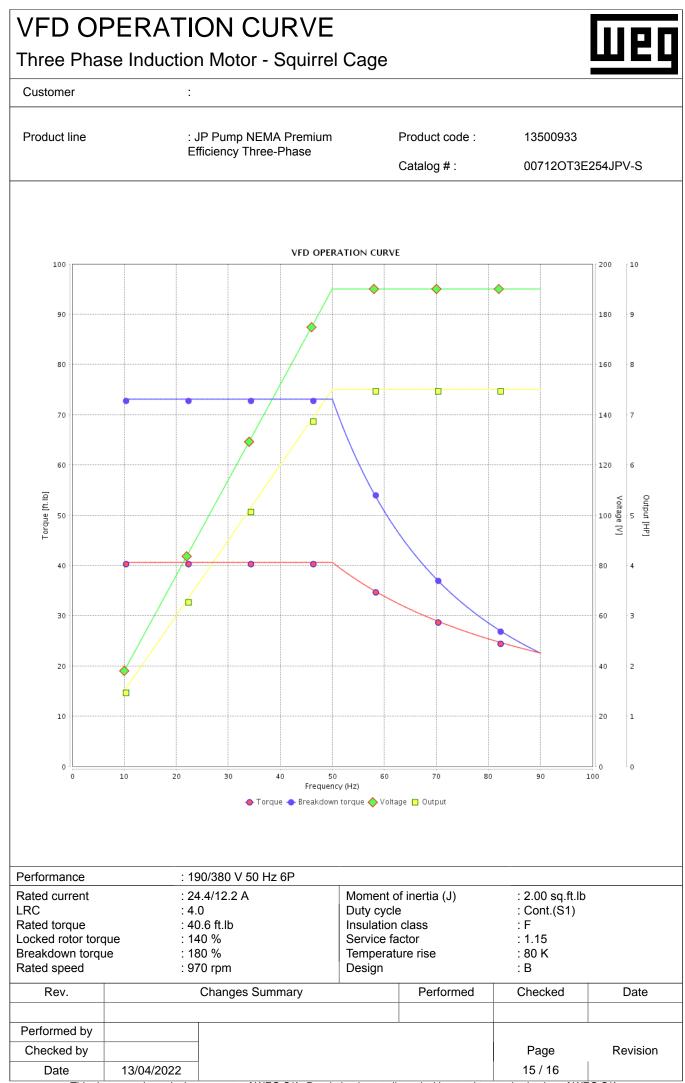
Product line	:.	JP Pump NEMA Premium		Product code :	13500933	
	EI	fficiency Three-Phase		Catalog # :	00712OT3E2	54JPV-S
Performance	: 22	20/415 V 50 Hz 6P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 4. : 40 gue : 16 ie : 20	2.1/11.7 A 5 0.6 ft.lb 60 % 00 % 70 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 2.00 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
		•	- 0			
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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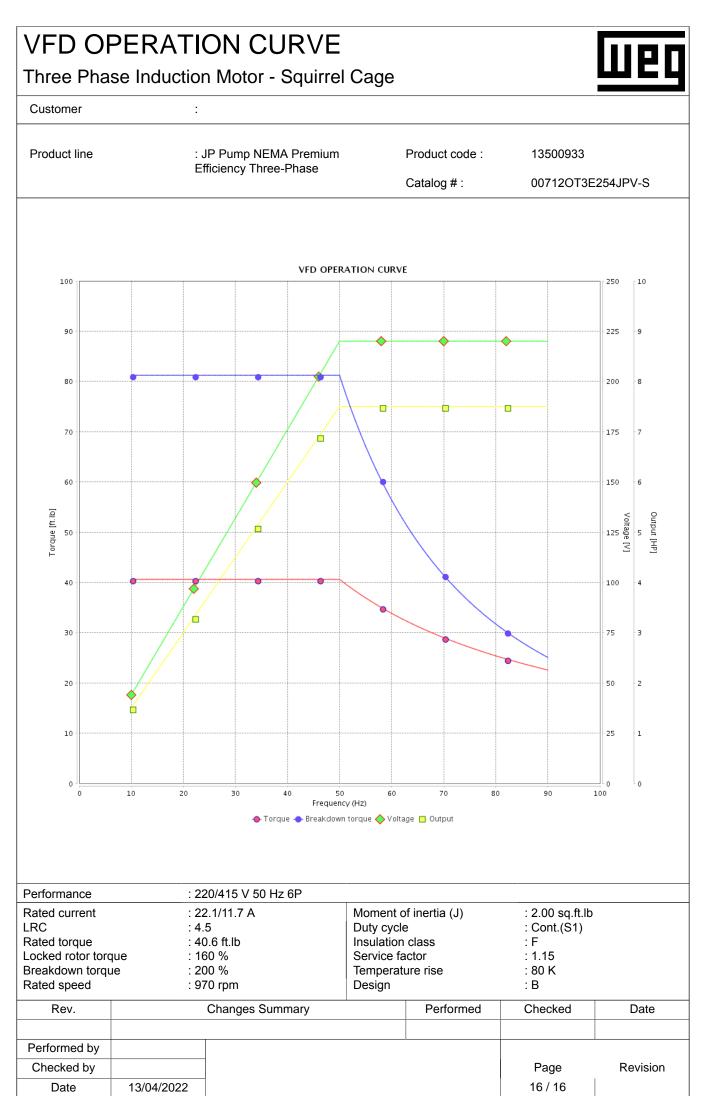
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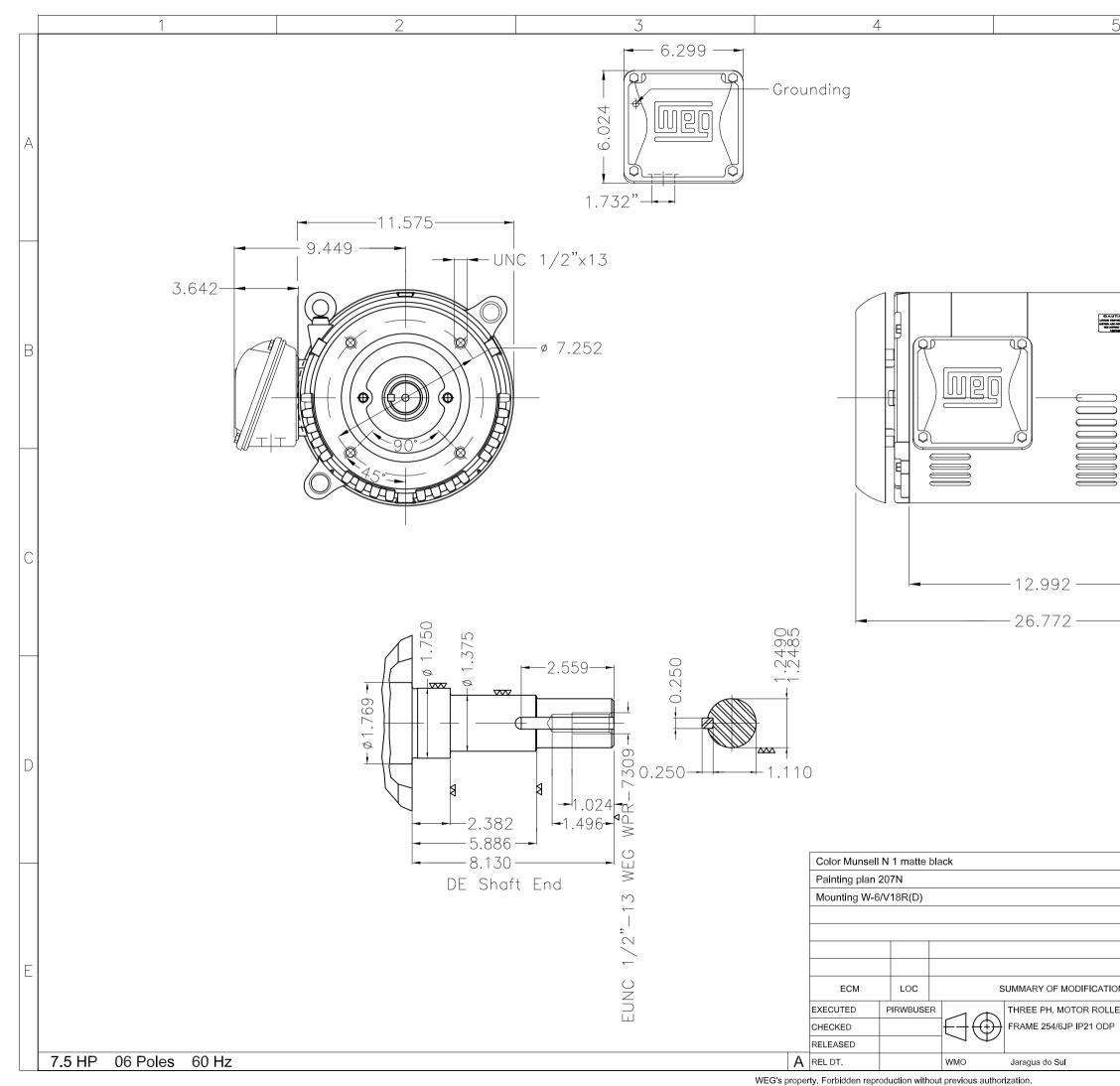
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