DATA SHEET

Three Phase Induction Motor - Squirrel Cage

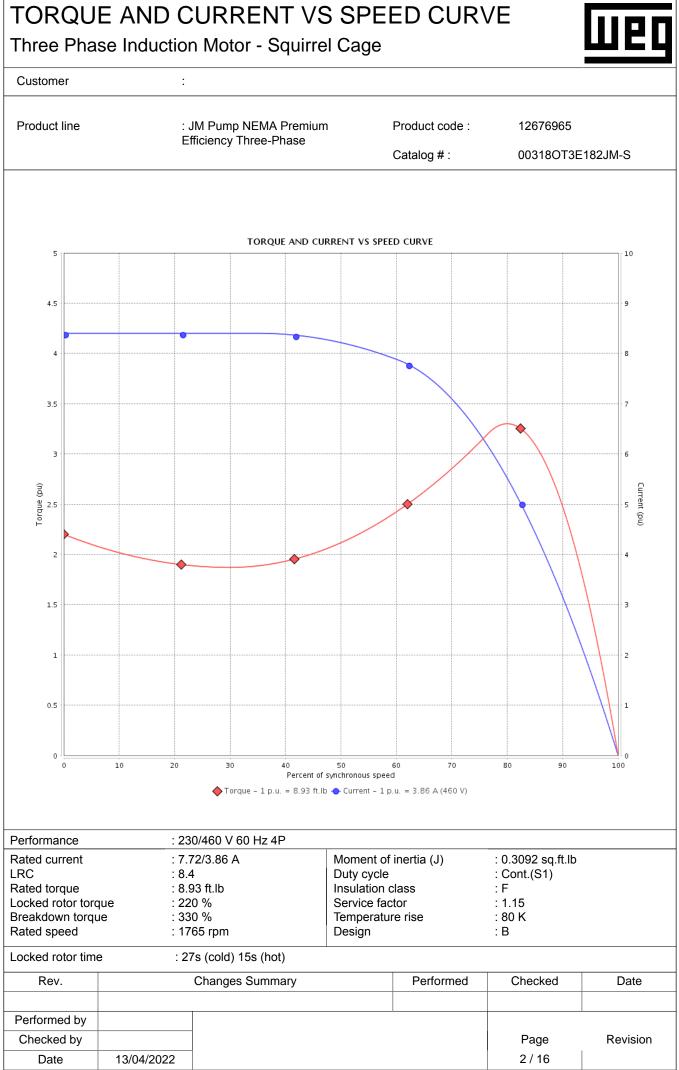
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Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product co	ode : 12676965	
			Catalog #	: 00318OT3E	E182JM-S
Frame		: 182/4JM	Cooling method	: IC01 - OD	P
Insulation class		: F	Mounting	: F-1	
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On	Line
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 74.6 lb	
Design		: B	Moment of inertia	(J) : 0.3092 sq	.ft.lb
Output [HP]		3	3		3
Poles		4	4		4
Frequency [Hz]		60	50		50
Rated voltage [V]		230/460	190/380		20/415
Rated current [A]		7.72/3.86	9.08/4.54		41/4.46
L. R. Amperes [A]		64.8/32.4	58.1/29.7		.7/31.7
LRC [A]		8.4x(Code K)	6.4x(Code		(Code J)
No load current [A	-	4.14/2.07	4.08/2.04		20/2.22
Rated speed [RPN	Л]	1765	1460		1465
Slip [%]	-	1.94	2.67		2.33
Rated torque [ft.lb]		8.93	10.8		10.8
Locked rotor torqu		220	150		170
Breakdown torque	e [%]	330	240		280
Service factor		1.15	1.15		1.15
Temperature rise		80 K	80 K		80 K
Locked rotor time		27s (cold) 15s (hot)	0s (cold) 0s		ld) 0s (hot)
Noise level ²		55.0 dB(A)	53.0 dB(A		0 dB(A)
	25%	86.4	85.6		88.0
Efficiency (0/)	50%	87.5	86.0		87.3
Efficiency (%)	75%	88.5	86.5		87.9
	100%	89.5	86.7		86.9
	25%	0.35	0.42		0.37
Dowor Costor	50%	0.60	0.68		0.63
Power Factor	75%	0.73	0.79		0.76
	100%	0.80	0.85		0.82
	•	Drive end Non drive en	d Foundation loads		
Bearing type		: 6207 ZZ 6205 ZZ	Max. traction	: 155 lb	
Sealing		: Without Without	Max. compression		
5		Bearing Seal Bearing Se			
Lubrication interv	val	:			
Lubricant amoun	it	:			
Lubricant type		: Mobil Polyrex EM			
Notes USABLE @208V	8.54A SF 1.0	00 SFA 8.54A			
must be eliminate (1) Looking the m	ed. lotor from the Im and with t weight subjec	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after		e values based on tests w ect to the tolerances stipu	
	ll load.				
(3) Approximate w manufacturing pro(4) At 100% of ful	ll load.	Changes Summary	Perfor	med Checked	Date
(3) Approximate w manufacturing pro	ll load.	Changes Summary	Perfor	med Checked	Date
(3) Approximate w manufacturing pro (4) At 100% of ful Rev.	ll load.	Changes Summary	Perfor	med Checked	Date
(3) Approximate we manufacturing pro- (4) At 100% of ful Rev.	ll load.	Changes Summary	Perfor		
(3) Approximate w manufacturing pro (4) At 100% of ful Rev.	13/04/2022		Perfor	med Checked Page 1 / 16	Date

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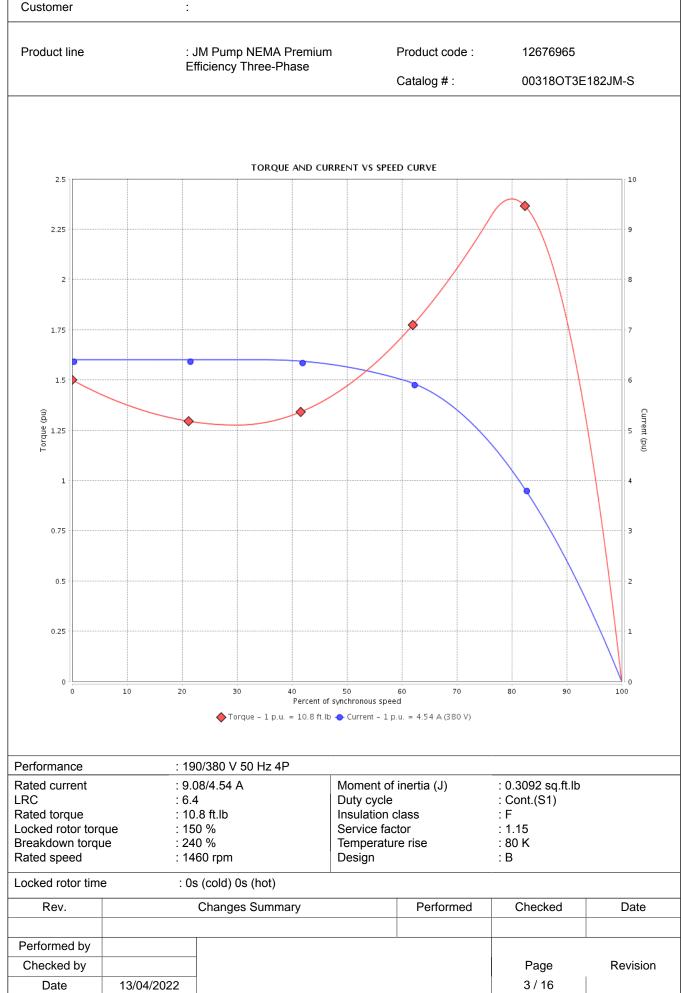


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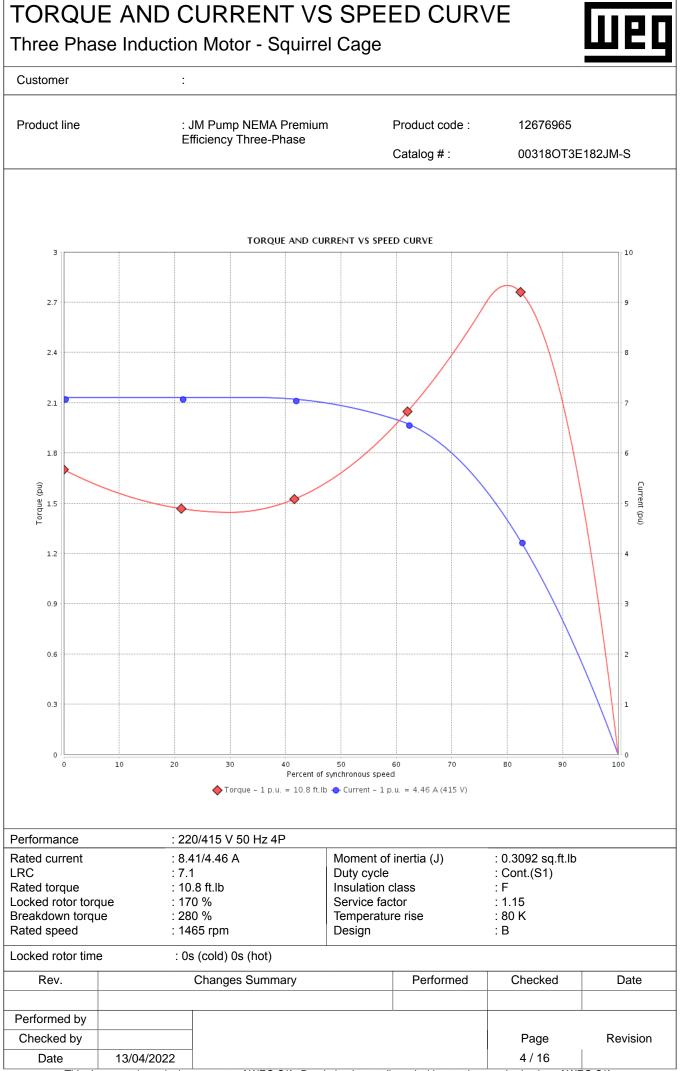
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



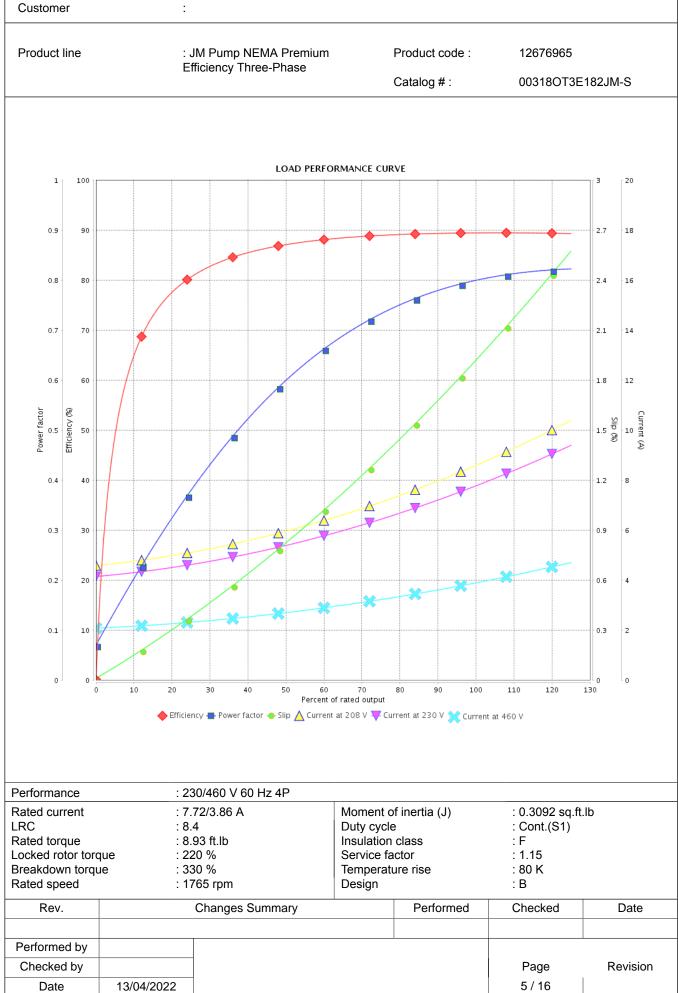
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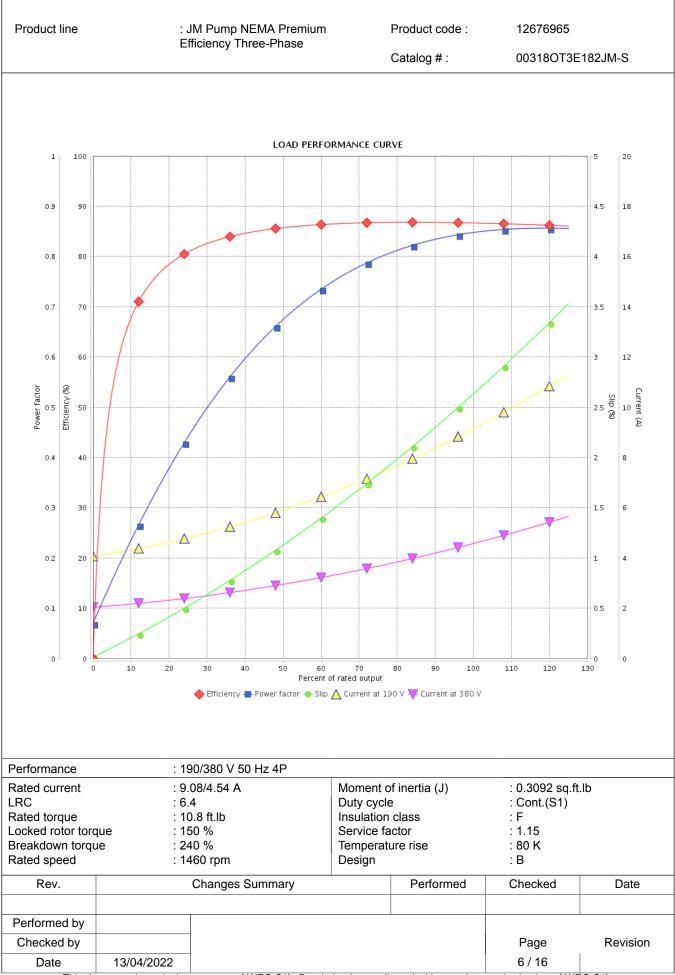
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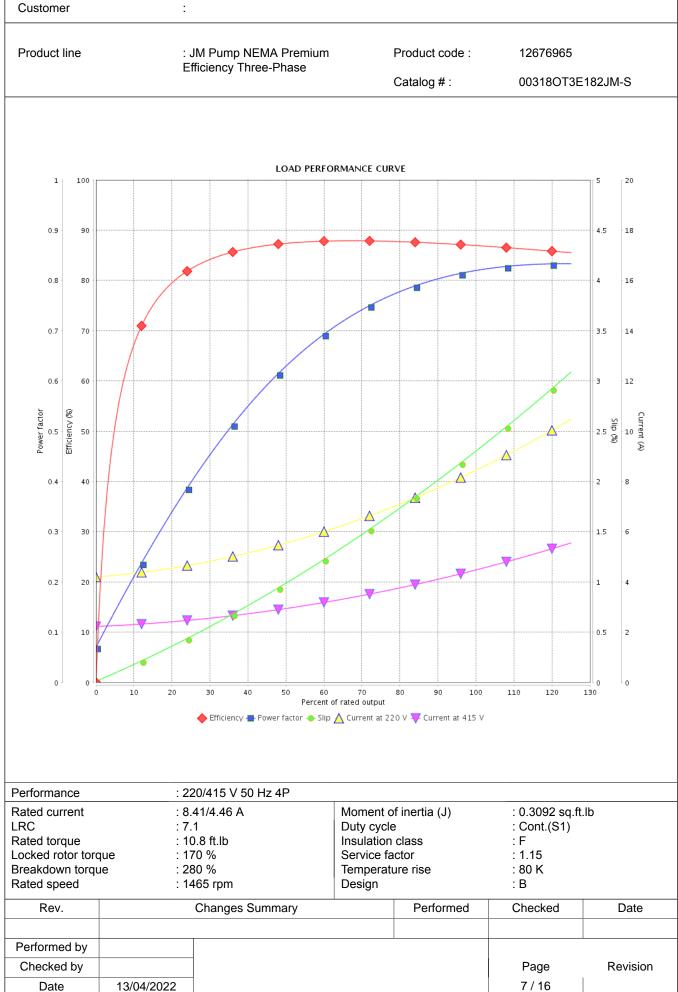
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THERMAL LIMIT CURVE

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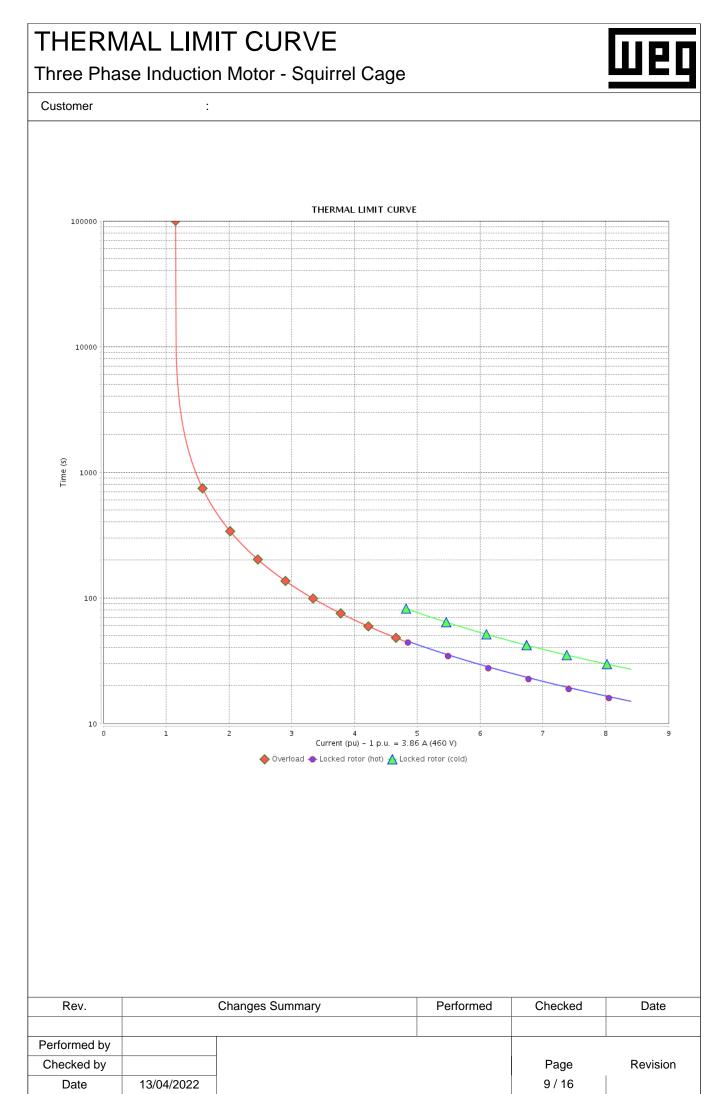


Customer

Product line		JM Pump NEMA Premium fficiency Three-Phase		Product code :	12676965	
	_			Catalog # :	00318OT3E	182JM-S
		30/460 V 60 Hz 4P				
Performance Rated current		.72/3.86 A	Momento	f inertia (J)	: 0.3092 sq.ft.	h
LRC	: 8	.4	Duty cycle	9	: Cont.(S1)	
Rated torque		.93 ft.lb	Insulation Service fa		: F	
Locked rotor toro Breakdown torqu		20 % 30 %	Temperati		: 1.15 : 80 K	
Rated speed		765 rpm	Design		: B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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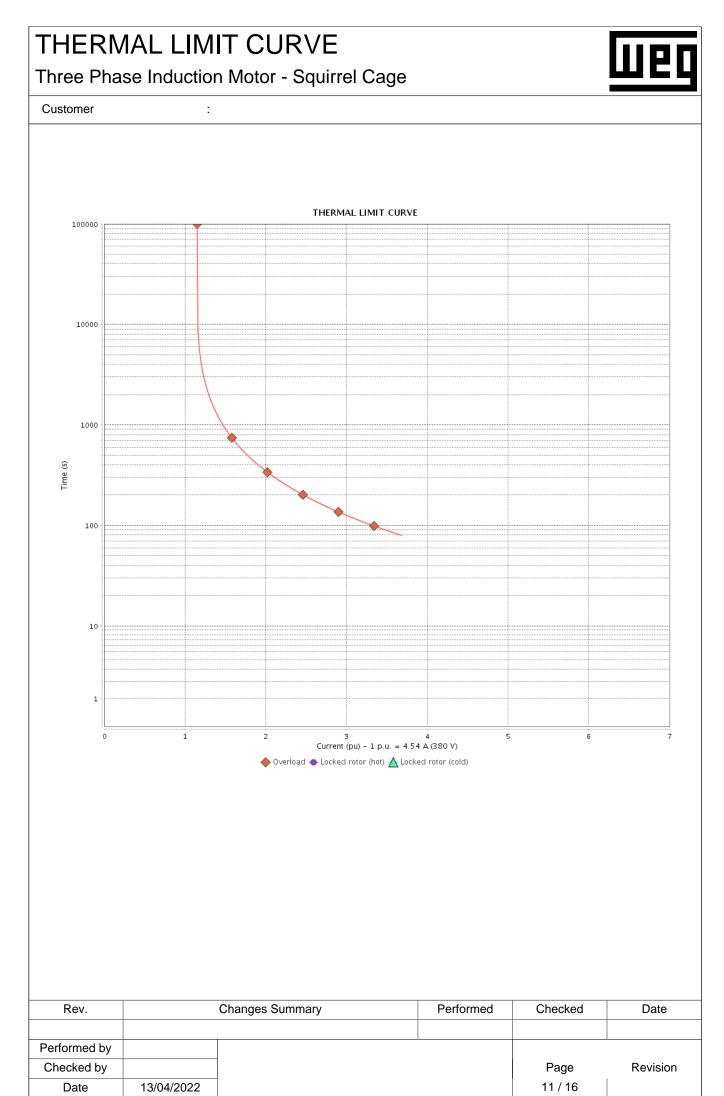


Customer

Product line		JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12676965	
	_			Catalog # :	00318OT3E	182JM-S
Performance	: 1	90/380 V 50 Hz 4P				
Rated current		.08/4.54 A	Moment o	f inertia (J)	: 0.3092 sq.ft.	b
LRC	: 6	.4	Duty cycle	e	: Cont.(S1)	
Rated torque Locked rotor toro		0.8 ft.lb 50 %	Insulation Service fa		: F : 1.15	
Breakdown torqu		40 %	Temperati		: 80 K	
Rated speed		460 rpm	Design		: B	
Heating constan	t					
Cooling constant						
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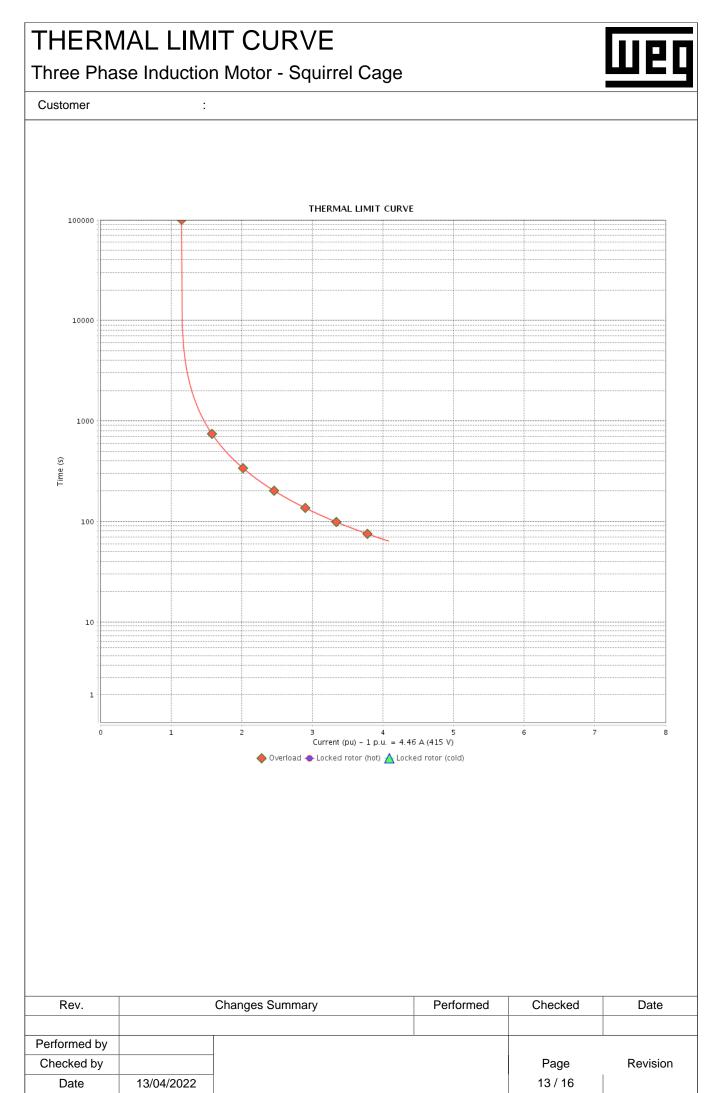


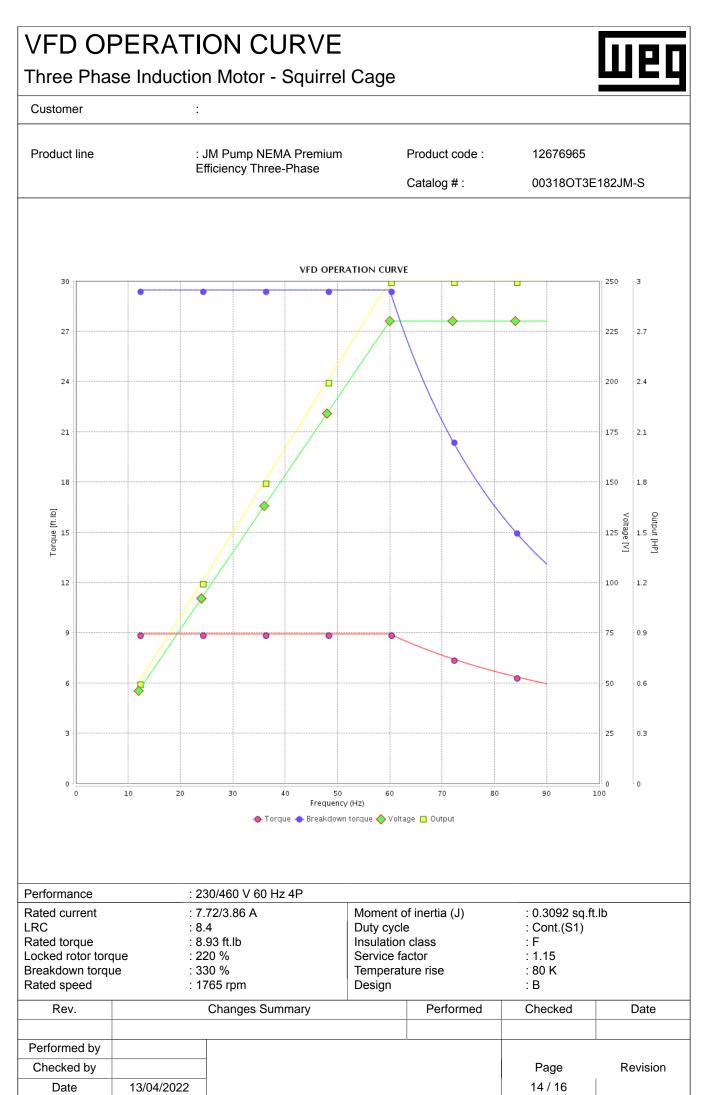
Customer

Product line	: JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	12676965 00318OT3E	182.IM-S
Performance	: 220/415 V 50 Hz 4P				
Rated current	: 8.41/4.46 A	Moment o	f inertia (J)	: 0.3092 sq.ft.	lb
	: 7.1	Duty cycle	9	: Cont.(S1)	
Rated torque Locked rotor torque	: 10.8 ft.lb : 170 %	Insulation Service fa		: F : 1.15	
Breakdown torque	: 280 %	Temperati		: 80 K	
Rated speed	: 1465 rpm	Design		: B	
Heating constant					
Cooling constant					
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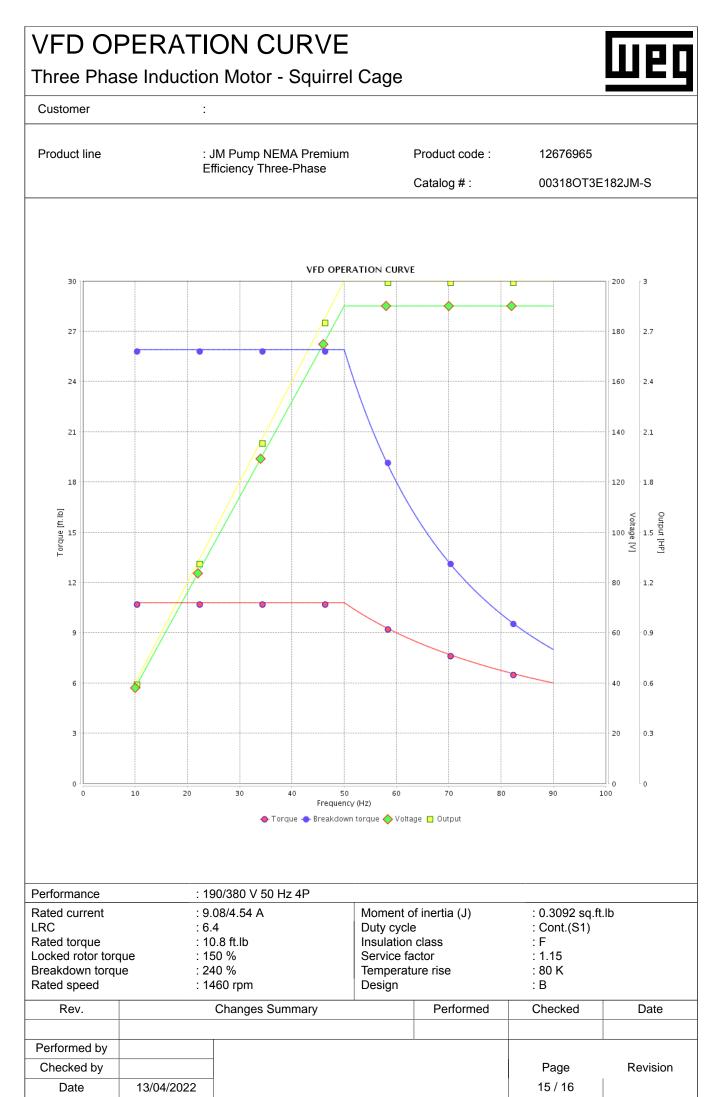
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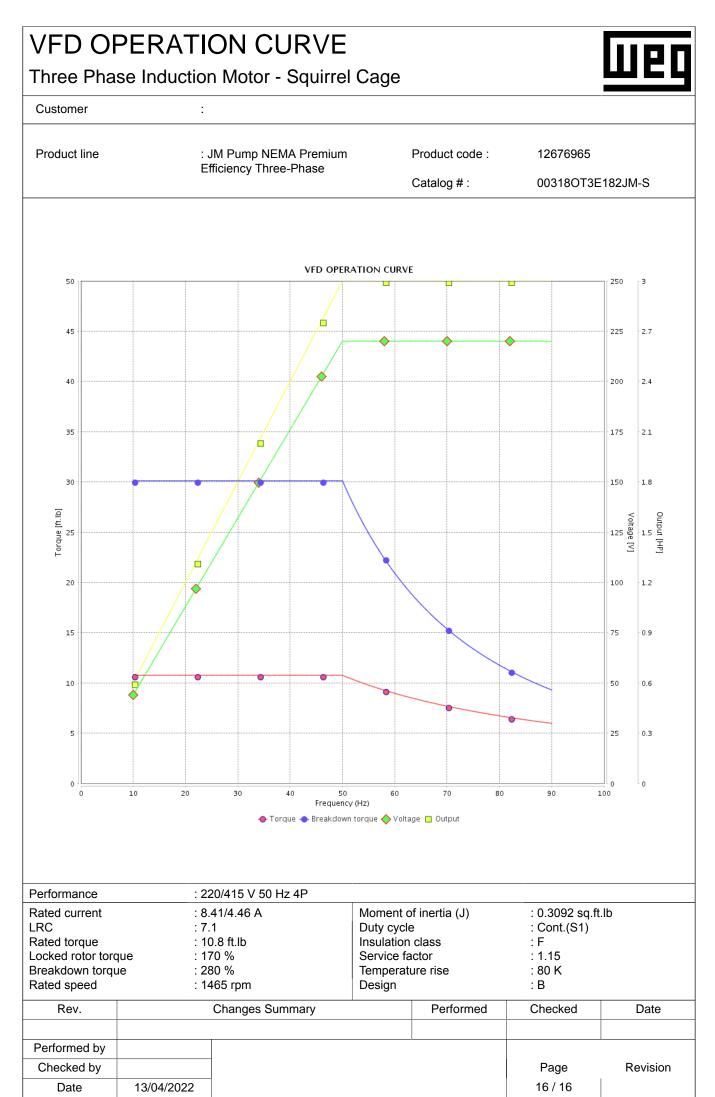




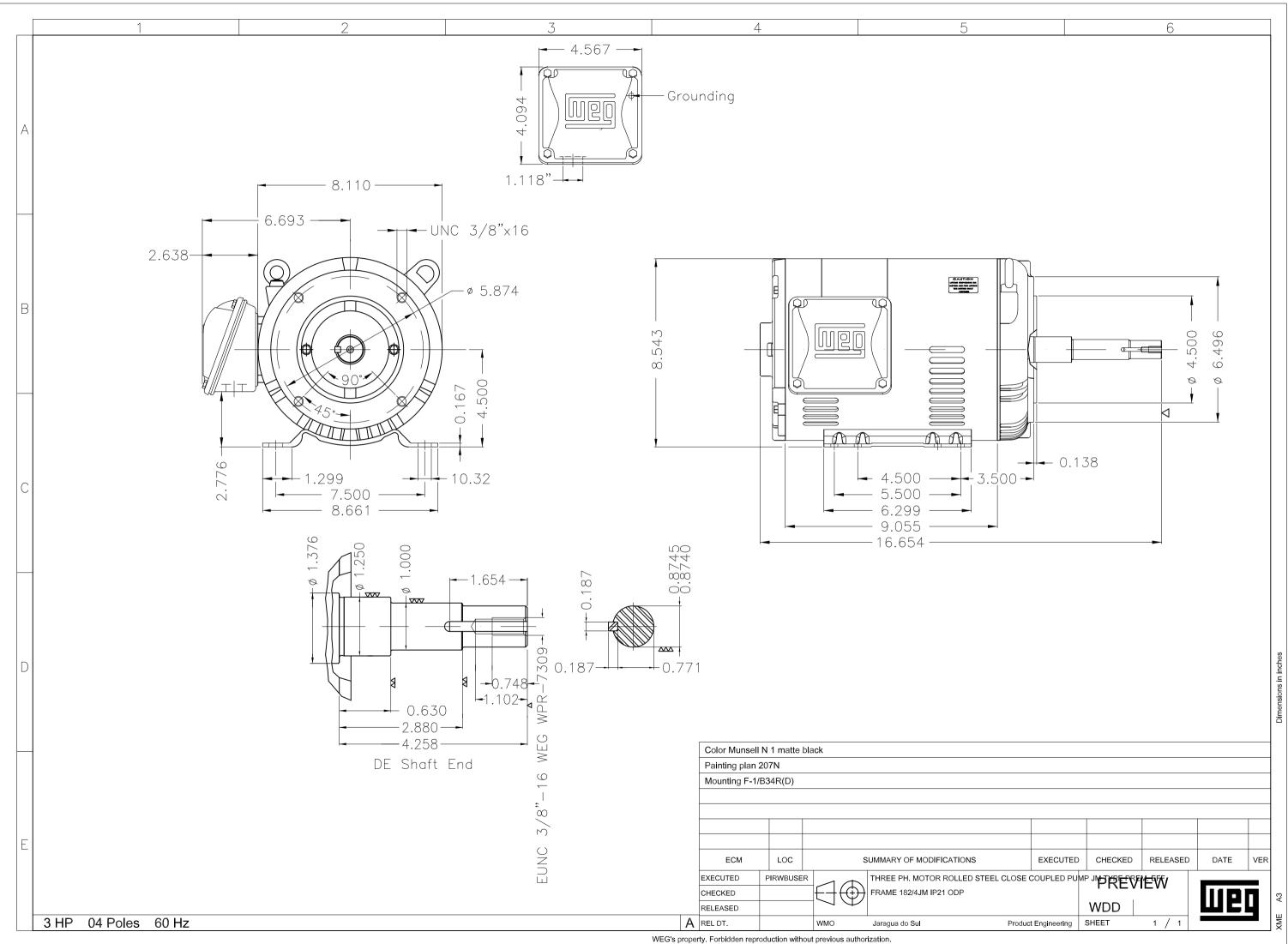
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