# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

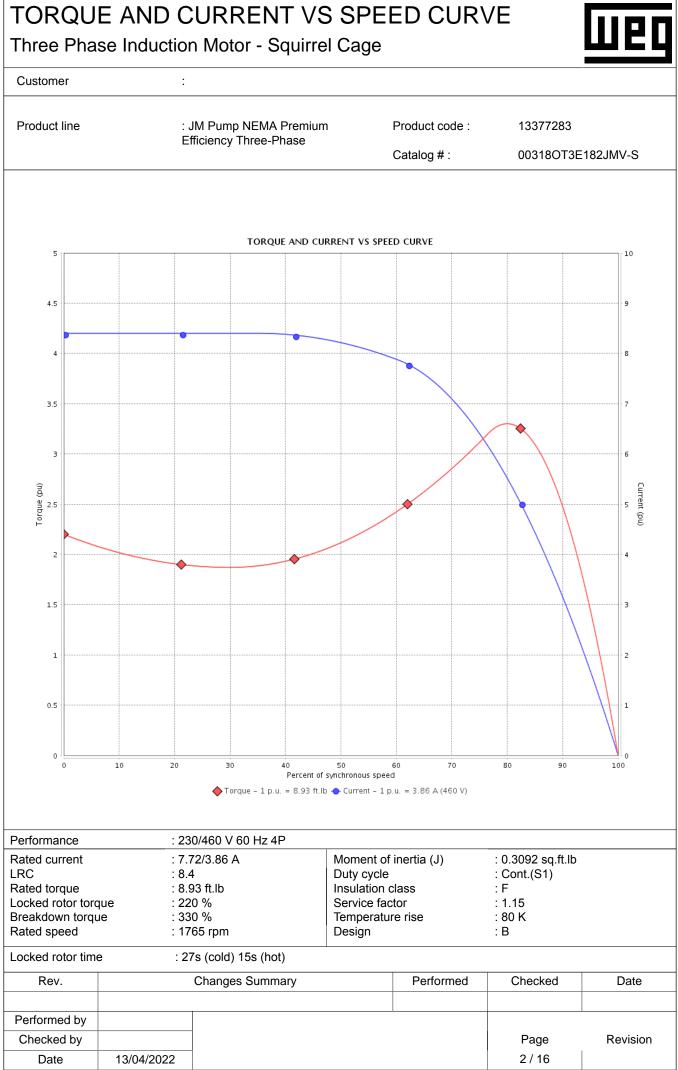
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#### Customer

Product line		: JM Pump NEN Efficiency Three			Product code :	13377283				
			Thuse		Catalog # :	00318OT3E	182JMV-S			
Frame		: 182/4JM		Cooling	method	: IC01 - ODP				
Insulation class		: F		Mountin		: W-6				
Duty cycle		: Cont.(S1)		Rotation		: Both (CW	and CCW)			
Ambient tempera	ature	: -20°C to +40°C		Starting	method	: Direct On	Line			
Altitude		: 1000 m.a.s.l.		Approx.		: 73.2 lb				
Design		: B		Moment	of inertia (J)	: 0.3092 sq.	: 0.3092 sq.ft.lb			
Output [HP]		3			3		3			
Poles		4			4		4			
Frequency [Hz]		60			50		50			
Rated voltage [V]		230/46	60		190/380	22	20/415			
Rated current [A]		7.72/3.	86		9.08/4.54	8.4	41/4.46			
L. R. Amperes [A]		64.8/32	2.4		58.1/29.1	59	.7/31.7			
LRC [A]		8.4x(Coo	le K)	6	.4x(Code H)	7.1x	(Code J)			
No load current [A	]	4.14/2.	,		4.08/2.04		20/2.22			
Rated speed [RPN		1765	5		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		330			240		280			
Service factor	r	1.15			1.15		1.15			
Temperature rise		80 K			80 K		80 K			
Locked rotor time		27s (cold) 1		0s	(cold) 0s (hot)		ld) 0s (hot)			
Noise level <sup>2</sup>		55.0 dB			53.0 dB(A)		53.0 dB(A)			
	25%	86.4			85.6		88.0			
Efficiency (%)	50%	87.5			86.0		87.3			
	75%	88.5			86.5		87.9			
	100%	89.5			86.7		86.9			
	25%	0.35			0.42		0.37			
	50%	0.60			0.68		0.63			
Power Factor	75%	0.73			0.79		0.76			
	100%	0.80			0.85		0.82			
	10070		on drive end	Foundati			0.02			
Bearing type		: 6207 ZZ	6205 ZZ							
		: Without	Without	Max. trac		: 156 lb : 229 lb				
Sealing		Bearing Seal		wax. con	npression	. 229 10				
Lubrication interv	) al		Deaning Seal							
Lubricant amoun		• •	_							
Lubricant type	•	: Mobil Pol	vrex FM							
,										
Notes USABLE @208V	8.54A SF 1.	00 SFA 8.54A								
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	d. otor from the m and with t veight subjec ocess.	olerance of +3dB(			e average values pply, subject to th					
(4) At 100% of ful	l load.									
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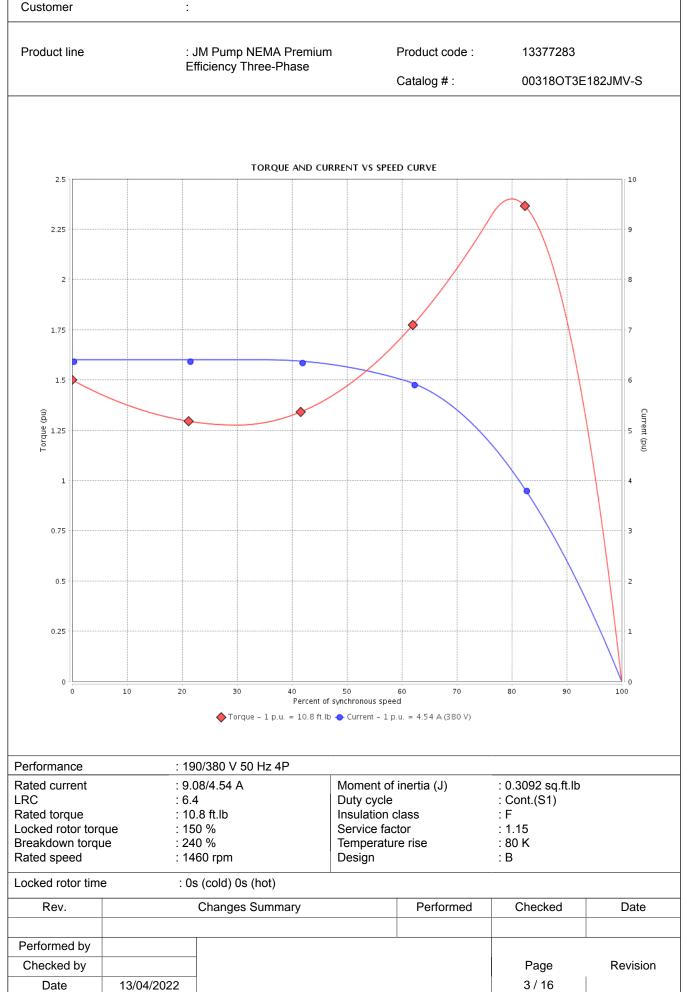


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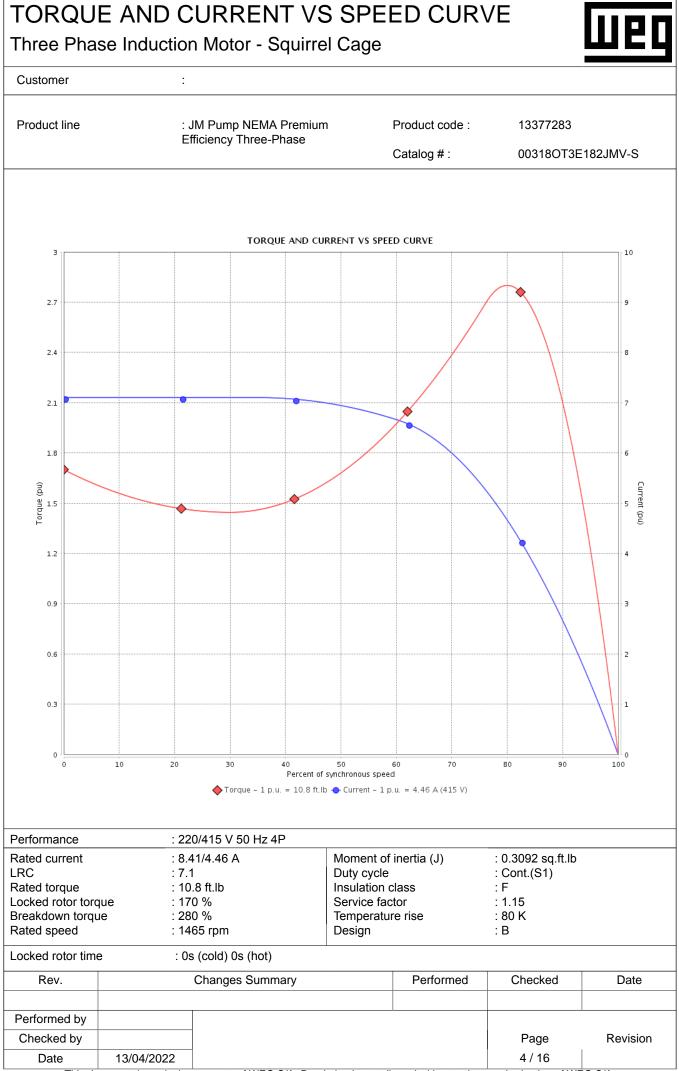
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



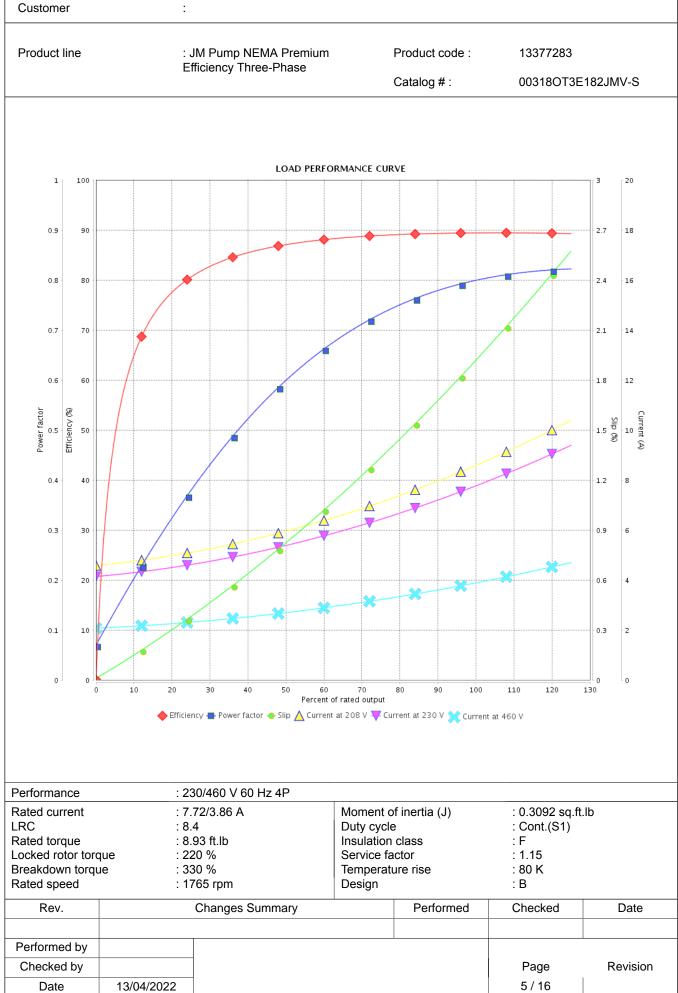
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# LOAD PERFORMANCE CURVE

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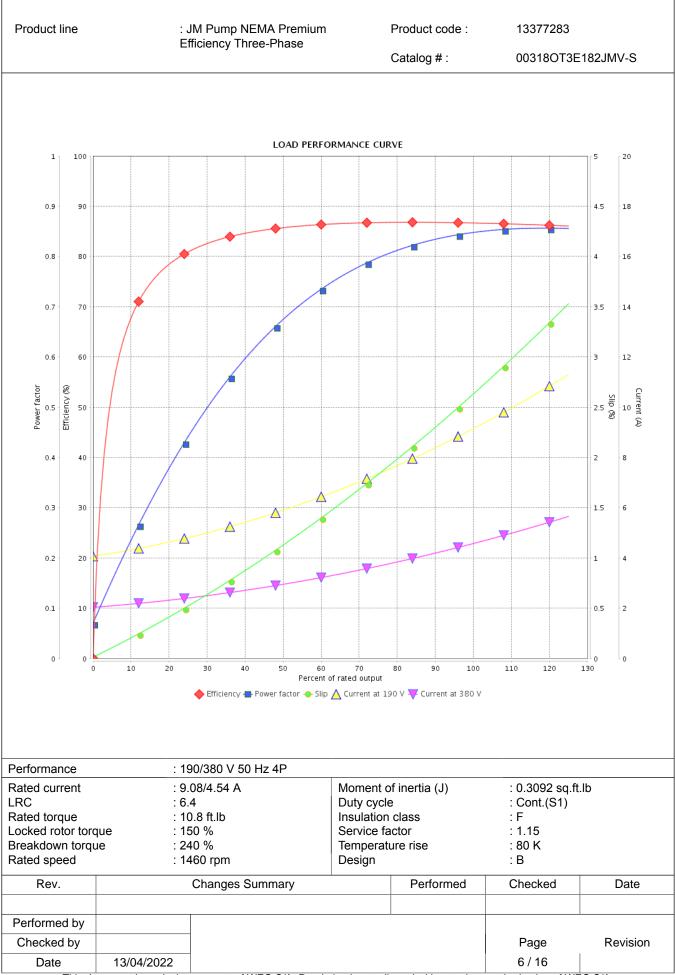
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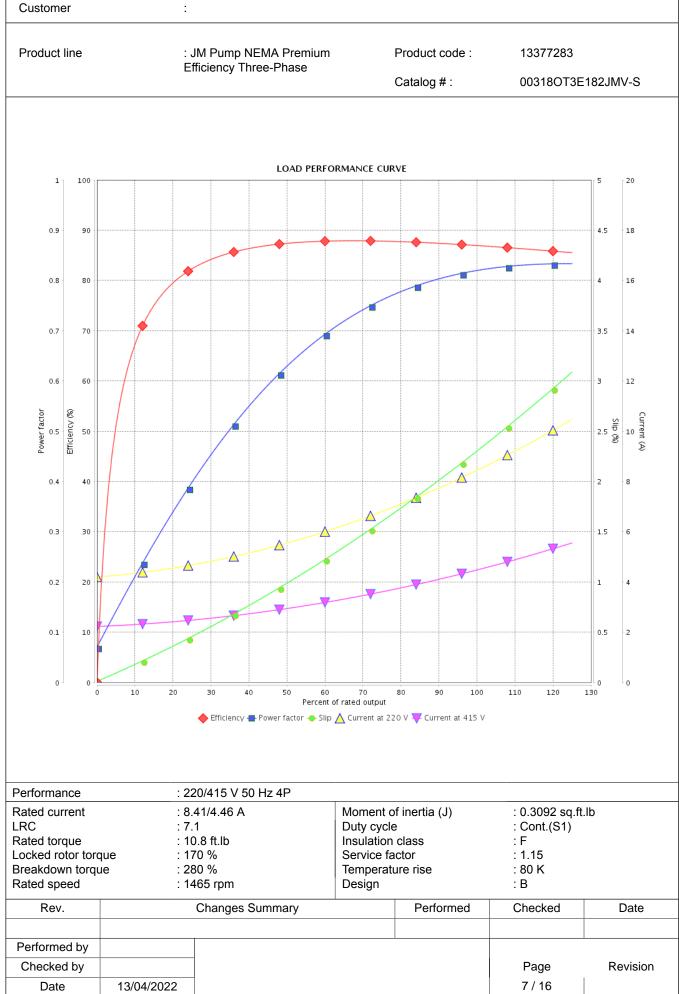
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# LOAD PERFORMANCE CURVE

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# THERMAL LIMIT CURVE

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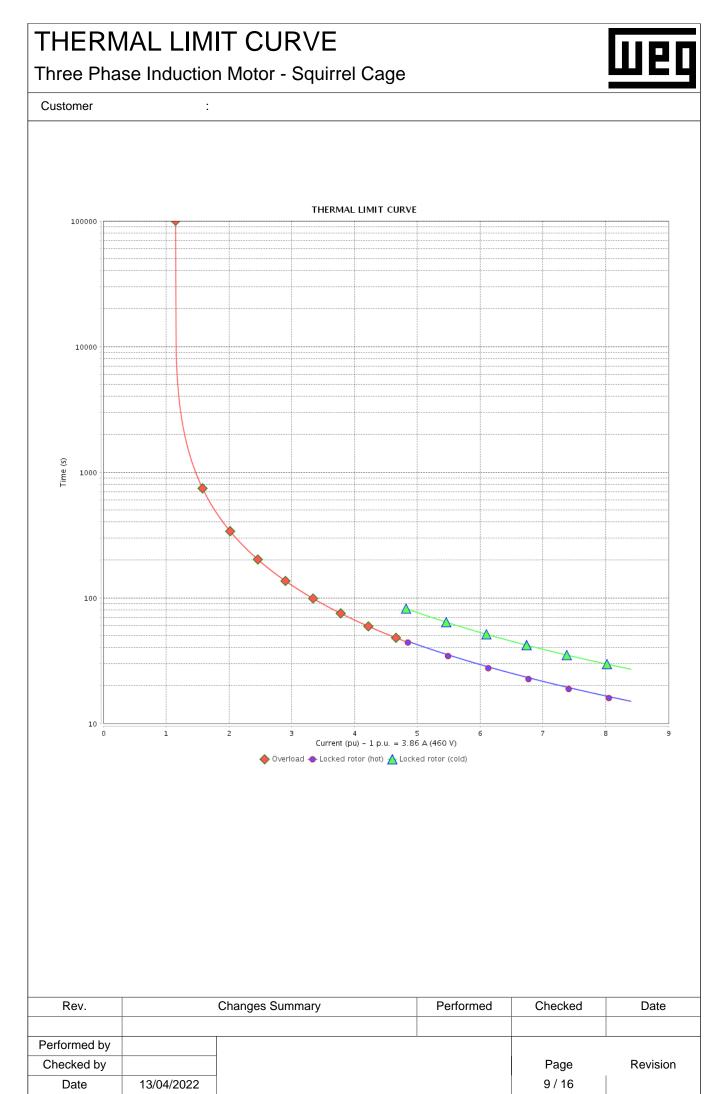


Customer

Product line	: . E	JM Pump NEMA Premium fficiency Three-Phase		Product code :	13377283					
		,,		Catalog # :	00318OT3E	00318OT3E182JMV-S				
Performance	. 2	30/460 V 60 Hz 4P								
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 8. : 8 : 8 : 8 : 8 : 2 : ue : 3	.72/3.86 A	Moment of Duty cycle Insulation Service fa Temperat Design	class ictor	: 0.3092 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B					
Heating constant										
Cooling constant Rev.		Changes Summary		Performed	Checked	Date				
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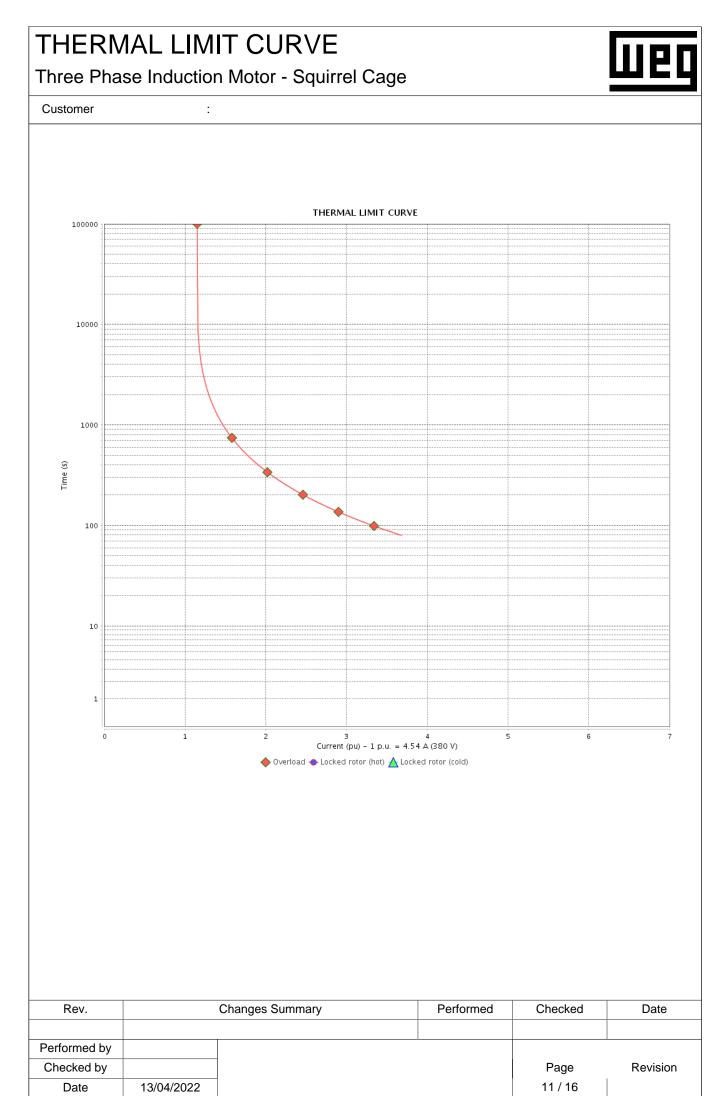


Customer

Product line	:	JM Pump NEMA Premium		Product code :	13377283	
	E	fficiency Three-Phase		Catalog # :	00318OT3E	182JMV-S
Performance	: 19	90/380 V 50 Hz 4P				
LRC: 6.4Rated torque: 10.8Locked rotor torque: 150Breakdown torque: 240		0.8 ft.lb 50 % 40 %	Duty cycle Insulation Service fa Temperate	class ctor	: 0.3092 sq.ft. : Cont.(S1) : F : 1.15 : 80 K	lb
Rated speed		460 rpm	Design		: B	
Heating constant						
Cooling constant						
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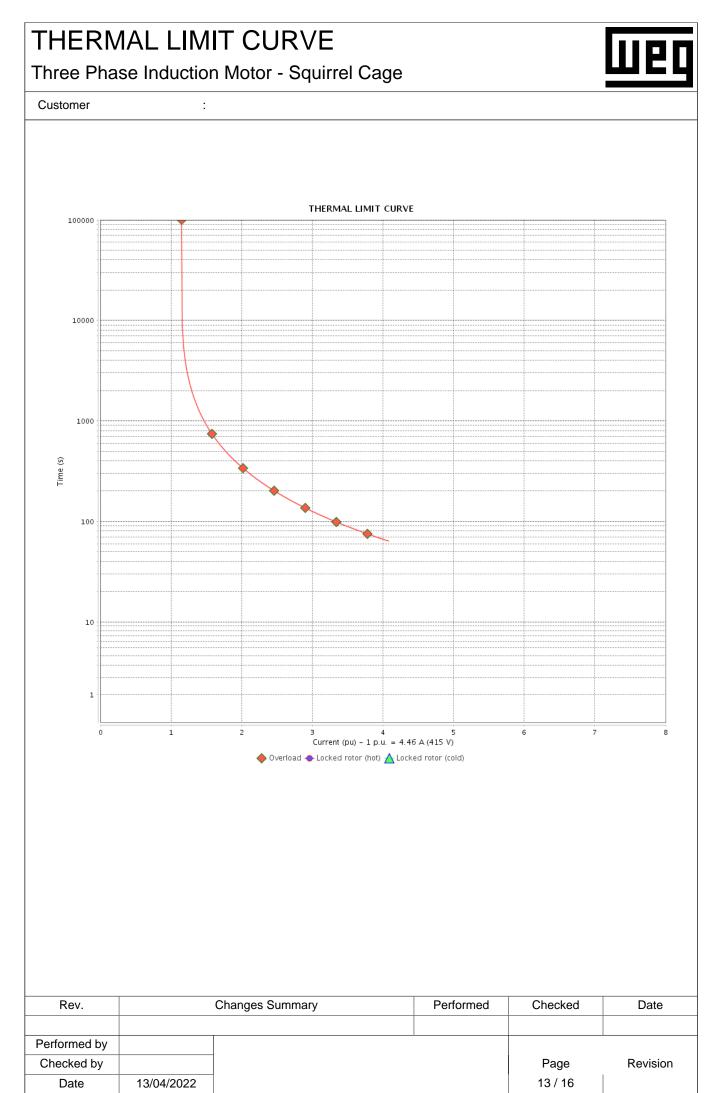


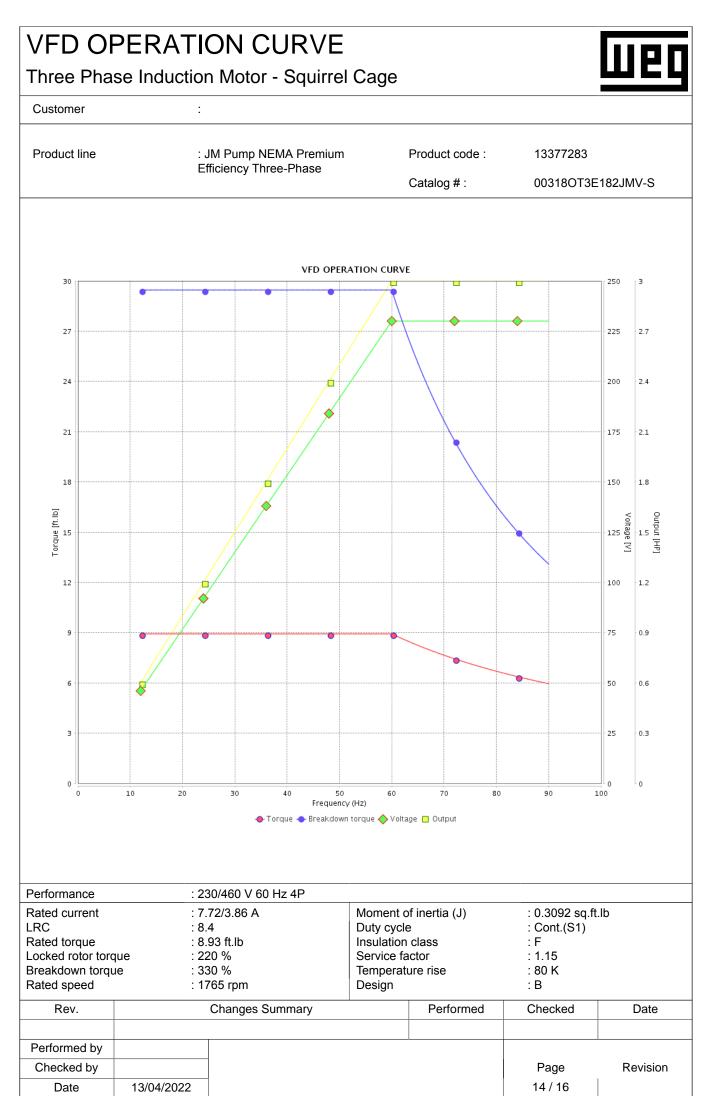
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					10077000					
Product line	: . Ef	JM Pump NEMA Premium fficiency Three-Phase		Product code :	13377283	13377283				
		,		Catalog # :	00318OT3E	182JMV-S				
Performance		20/415 V 50 Hz 4P								
Rated current LRC	: 8. : 7.	41/4.46 A	Moment c Duty cycle	of inertia (J)	: 0.3092 sq.ft. : Cont.(S1)	lb				
Rated torque		).8 ft.lb	Insulation		: F					
Locked rotor torqu		70 %	Service fa		: 1.15					
Breakdown torque Rated speed		30 % 465 rpm	Temperat Design	ure rise	: 80 K : B					
			Longi							
Heating constant										
Cooling constant Rev.		Changes Summary		Performed	Checked	Date				
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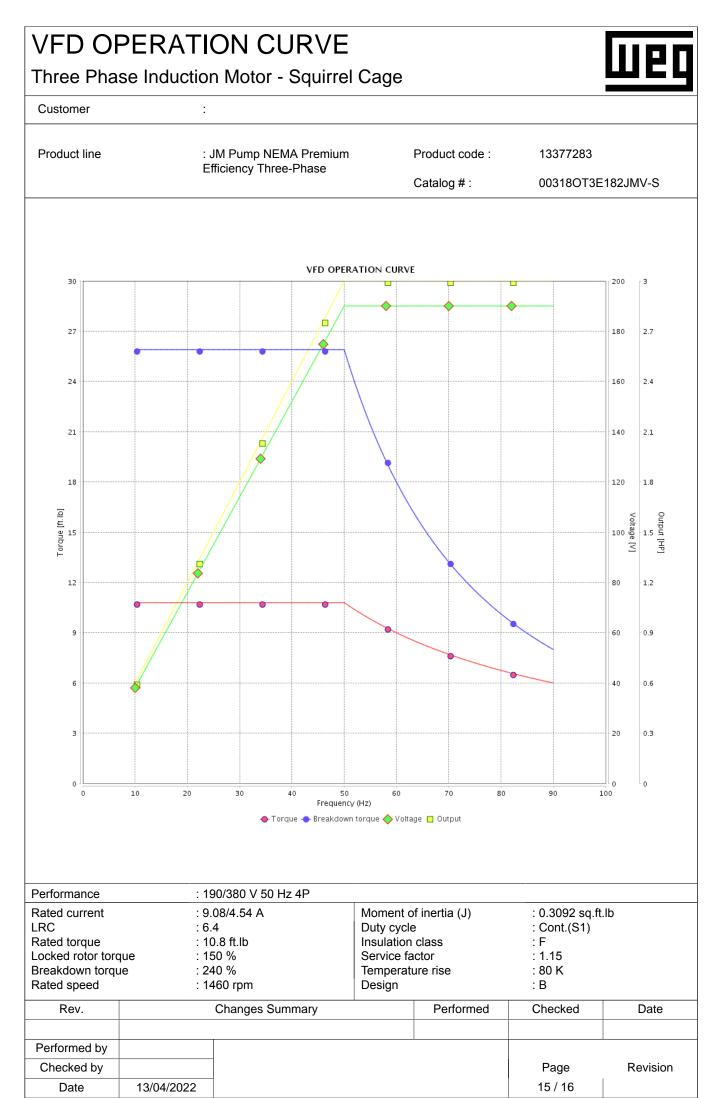
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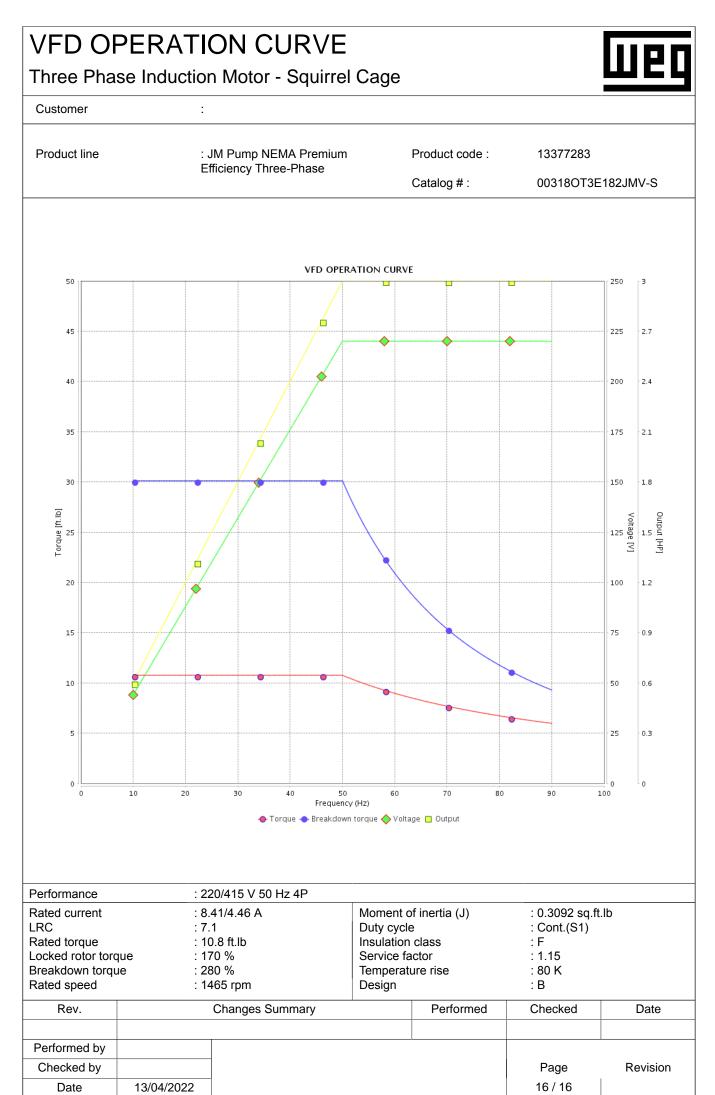




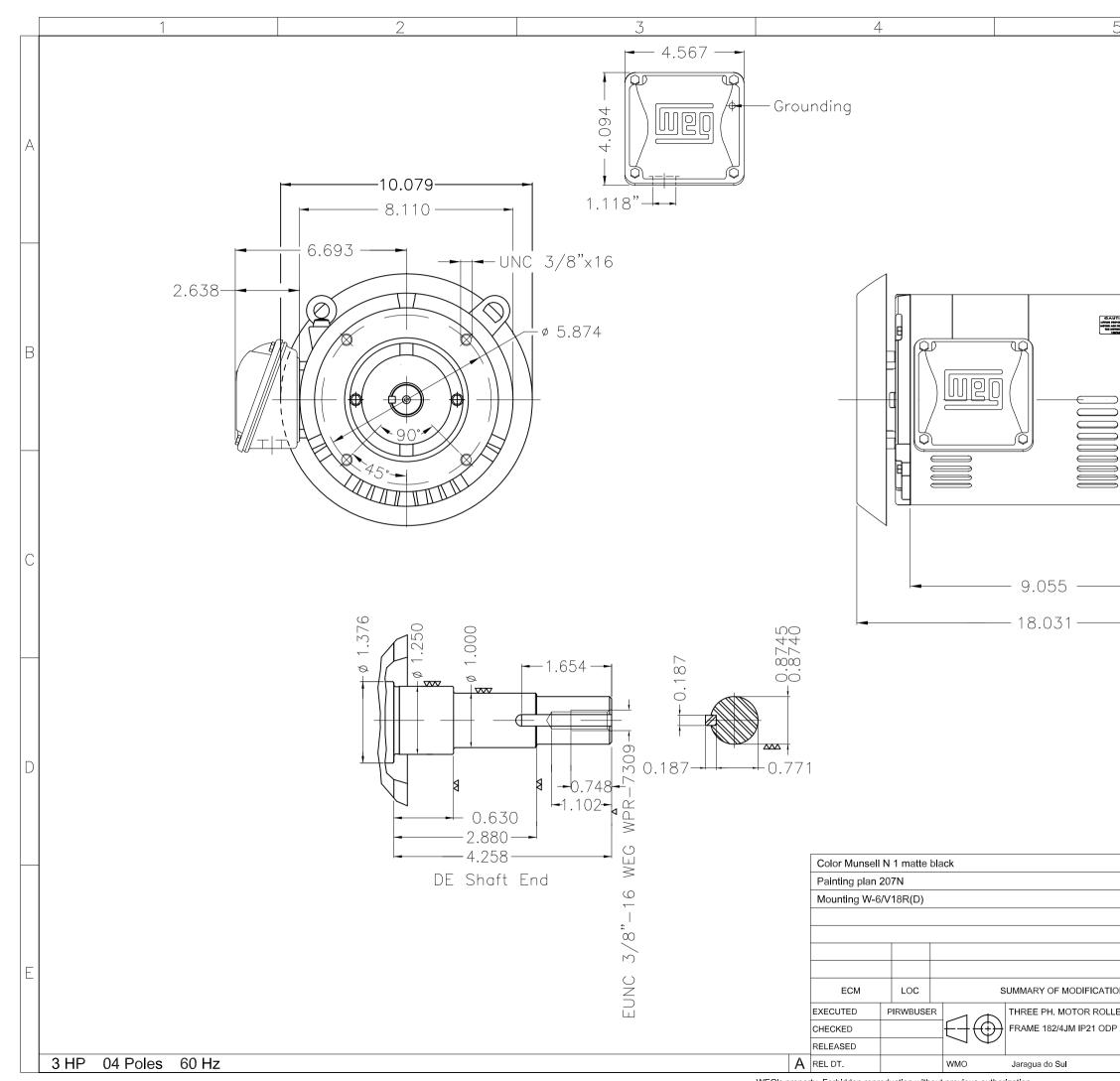
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Produc	t Engineering	SHEET	1 / 1		\$	Ň

COLUSTED COLUSTED COLUS Energy Verified	CE	9		_				DE 0.80		- ef 2	50Hz 190-220/380-415V SF1.15	PM EFF 86.7% (IE3) I	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 5:1 CT	MOBIL POLYREX EM	, ●T4 ●T5 ●T6	L L LI-BLU	5 \$17 \$18 \$T9 13-ORG 14-YEL 15-BLK 16-GRY	. <b>z</b>	년 년 년	ES TO REVERSE THE ROTATION	NUNG. Monor must be grounded in accordance with local and national orderical codes to prevent serious electrical codes to prevent serious electrical and the serious electrical serious series before series and the series of the	AVERTISSEMENT: Le moteur doit être mis à la terre <b>de la terre doite de libertiques</b> locaux et nationaux afin d'éviter tout e. Déconnectez l'alimentation avant l'entretien de la machine.
LIEG REMIUM	MADE IN MÉXICO MAT: 13377283 CC029A W01.TO0IC0X0N	MODEL 003180T3E182JMV-S 19APR2022 S/N:	PH 3 Hz 60	FR 182/4JM	DUTY CONT.	ALT 1000 m.a.s.l	INS CL F AT 80K		ENCL ODP CODE K	USABLE @ 208V 8.54A	NATE RATING: 3.0HP	3A	Inverter duty motor For 8	DE 6207-ZZ ODE 6205-ZZ	T4 T5 T6	,				INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION	WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.	ArefrissEMENT: Le moteur doit être mis à la terre conformément aux codre éléctriques locaux et nationaux afin d'éviter tout choc éléctrique grave. Déconnectez l'allmentation avant l'entreflen de la machine.