DATA SHEET

Three Phase Induction Motor - Squirrel Cage

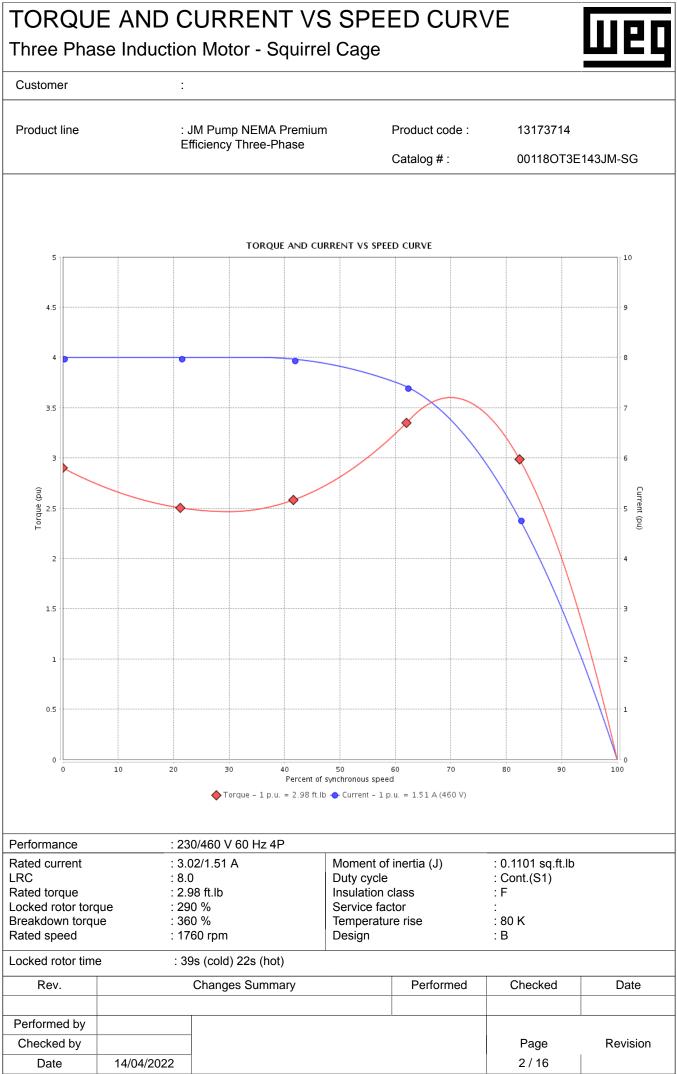
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Customer

Product line		: JM Pump NEMA Efficiency Three-Pl		F	Product code :	13173714				
				C	Catalog # :	00118OT3E	143JM-SG			
Frame		: 143/5JM		Cooling r	nethod	: IC01 - OD	Р			
Insulation class		: F		Mounting		: F-1				
Duty cycle		: Cont.(S1)		Rotation		: Both (CW	: Both (CW and CCW)			
Ambient tempera	ature	: -20°C to +40°C		Starting r	method	: Direct On	: Direct On Line			
Altitude		: 1000 m.a.s.l.		Approx.	weight ³	: 36.8 lb				
Design		: B			of inertia (J)	: 0.1101 sq.	: 0.1101 sq.ft.lb			
Output [HP]		1			1		1			
Poles		4			4		4			
Frequency [Hz]		60			50		50			
Rated voltage [V]		230/460 190/380 220/415					20/415			
Rated current [A]		3.02/1.51			3.44/1.72		15/1.67			
L. R. Amperes [A]		24.2/12.1			22.4/11.2		.4/11.9			
LRC [A]		8.0x(Code	L)		5x(Code J)		(Code K)			
No load current [A	1	1.92/0.958			1.88/0.942		93/1.02			
Rated speed [RPN	-	1760	-		1445		1450			
Slip [%]	1	2.22			3.67		3.33			
Rated torque [ft.lb	1	2.98			3.63		3.62			
Locked rotor torque		2.90			200		229			
Breakdown torque		360			270		300			
Service factor	.[,0]	500			1.15		1.15			
Temperature rise		80 K			80 K		80 K			
Locked rotor time		39s (cold) 22s	(hot)	0.0 /	cold) 0s (hot)		ld) 0s (hot)			
Noise level ²		52.0 dB(A			49.0 dB(A)		0 dB(A)			
	25%)	2	. ,		. ,			
		79.9			82.2		80.7			
Efficiency (%)	50%	81.5			81.9		81.0			
	75%	84.0			83.4		83.2			
	100%	85.5			82.6		83.1			
	25%	0.29			0.34		0.31			
Power Factor	50%	0.51			0.59		0.55			
	75%	0.65			0.73		0.69			
	100%	0.73			0.80		0.78			
			n drive end	Foundatio	on loads					
Bearing type		: 6206 ZZ 6203 ZZ		Max. tract	tion	: 76 lb				
Sealing		: Without	Without	Max. com	pression	: 113 lb				
		Bearing Seal Be	earing Seal							
Lubrication interv	val	: -	-							
Lubricant amour	nt	: -	-							
Lubricant type		: Mobil Polyre	ex EM							
Notes USABLE @208V	73.34A SF 1.0	00 SFA 3.34A			_	_				
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with to weight subject ocess.	icel the previous one, shaft end. olerance of +3dB(A). t to changes after				based on tests w ne tolerances stipu				
Rev.		Changes Summ	ary		Performed	Checked	Date			
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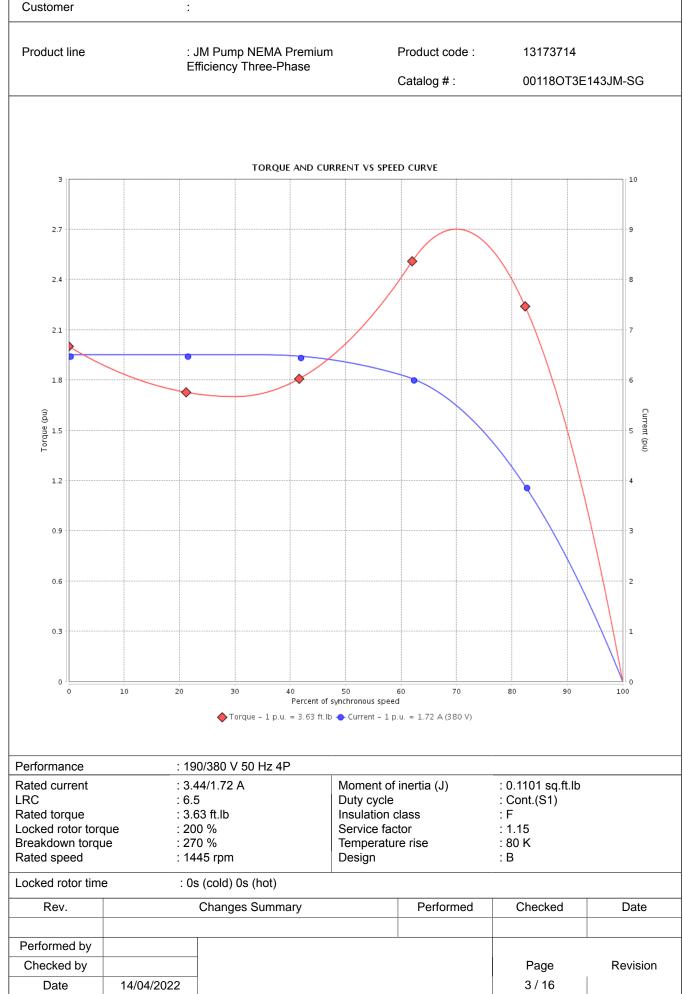


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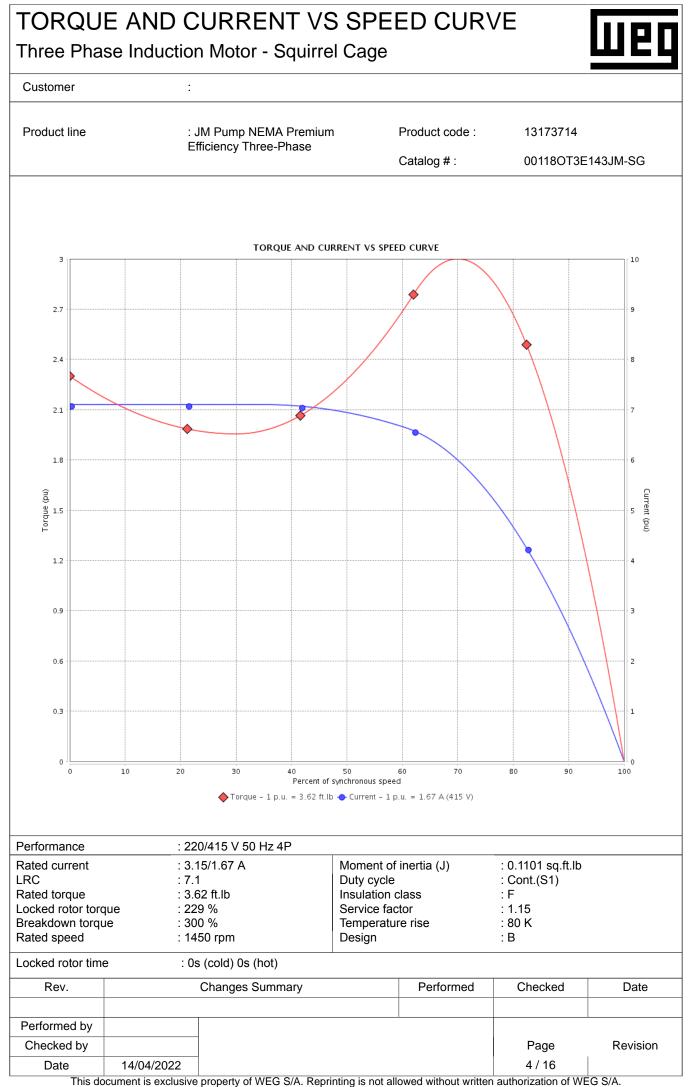
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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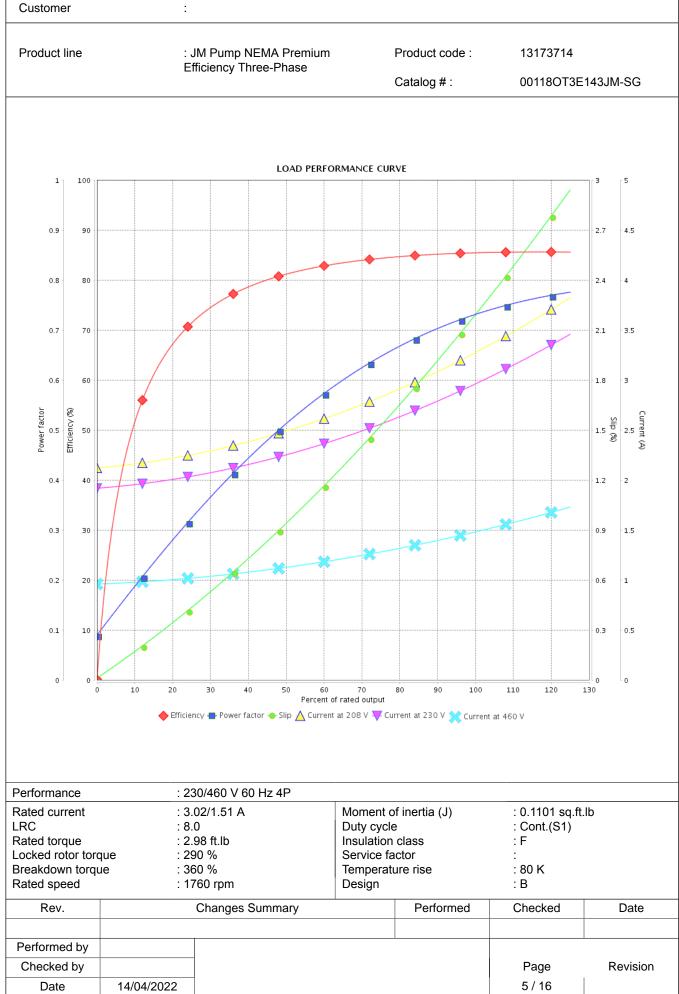


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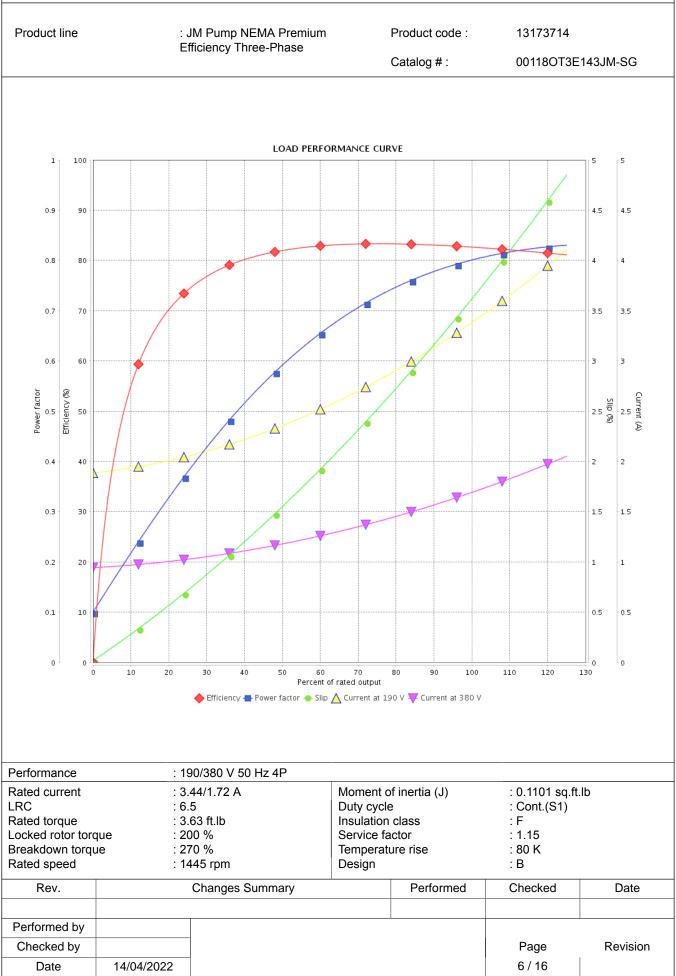
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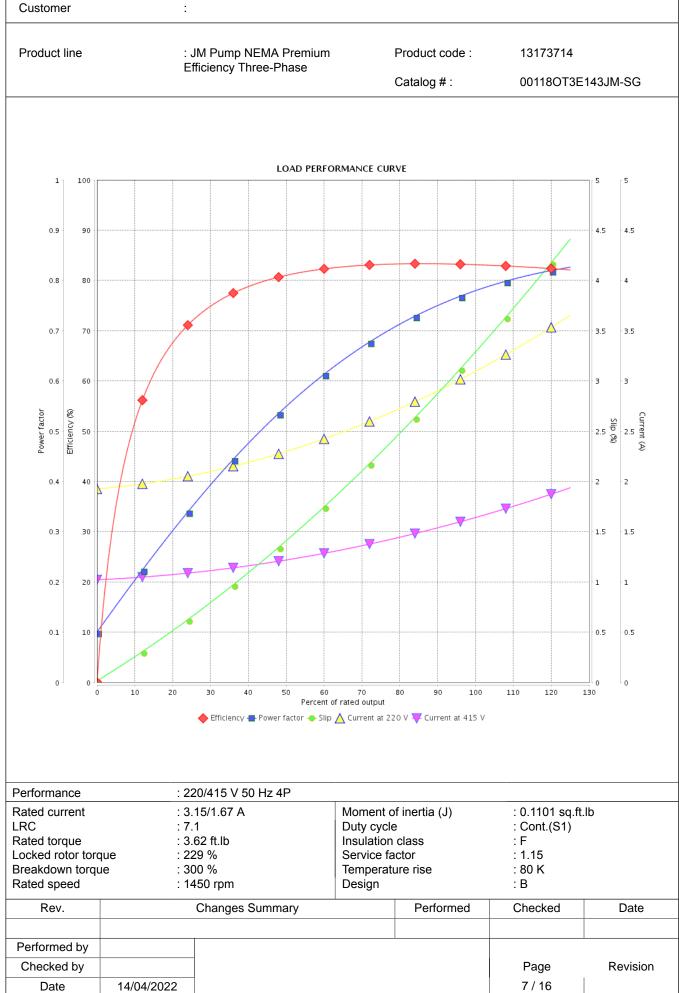


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THERMAL LIMIT CURVE

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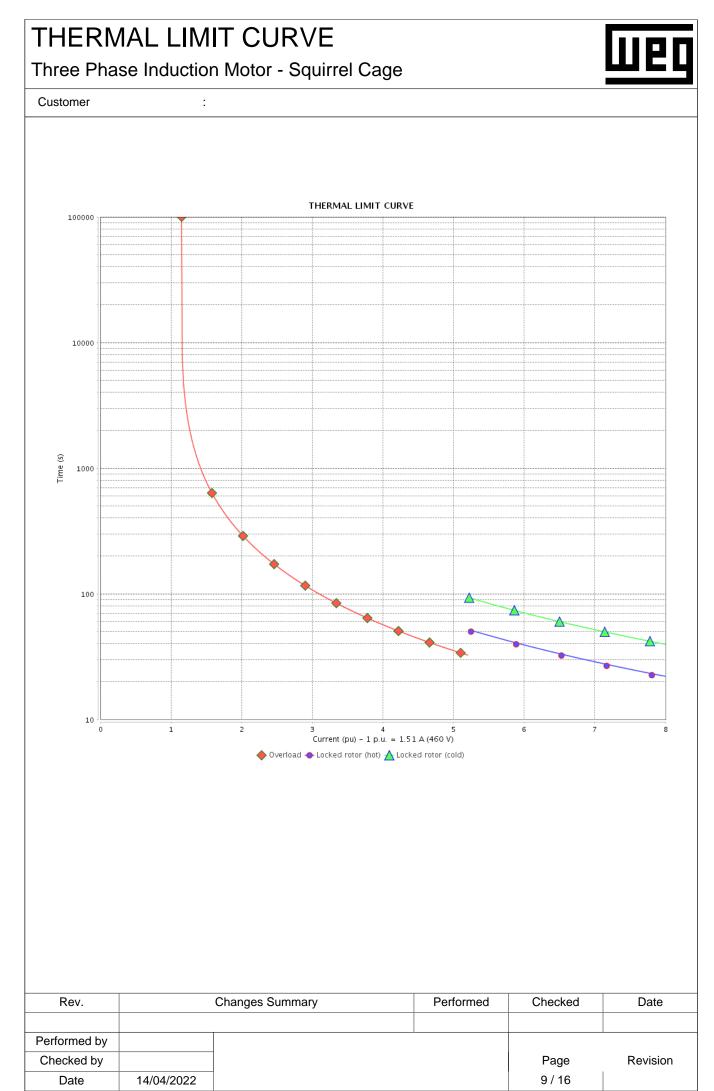


Customer

Product line		JM Pump NEMA Premium		Product code :	13173714	73714			
	E	fficiency Three-Phase		Catalog # :	00118OT3E1	43JM-SG			
Performance		30/460 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 3. : 8. : 2. ue : 29 e : 36	02/1.51 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1101 sq.ft.I : Cont.(S1) : F : : 80 K : B	b			
Heating constant									
Cooling constant Rev.		Changes Summary		Performed	Checked	Date			
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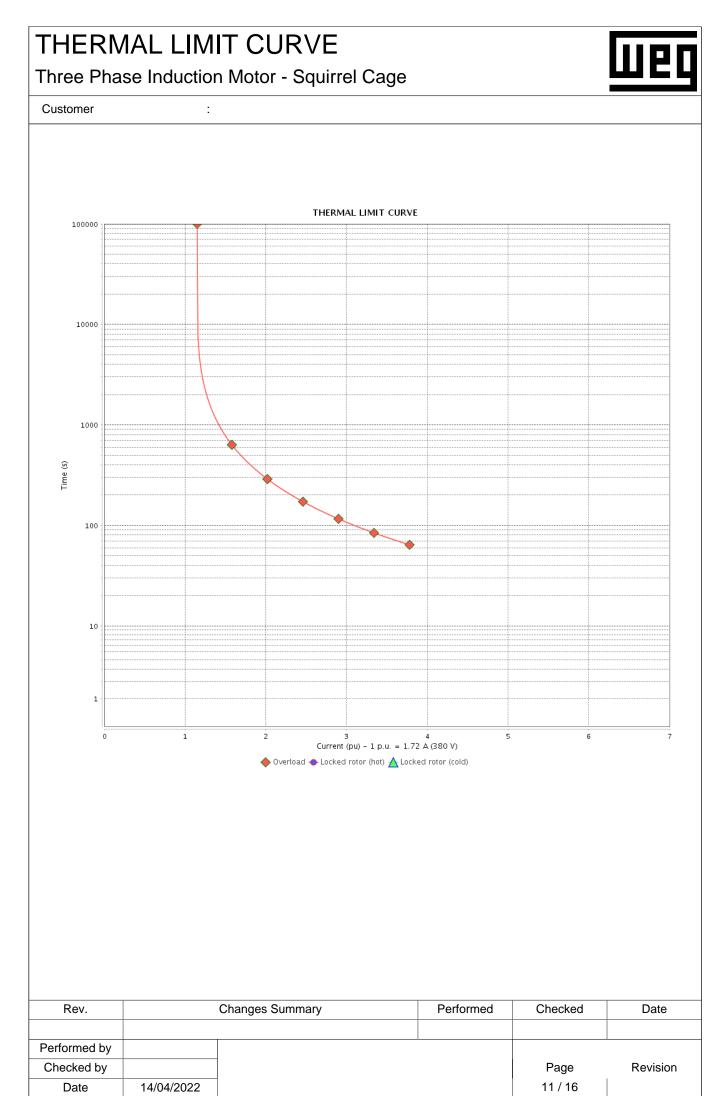
Three Phase Induction Motor - Squirrel Cage

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Customer

Performance : 190/380 V 50 Hz 4P Rated current : 3.44/1.72 A	Product line	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13173714	
Rated current: 3.44/1.72 AMoment of inertia (J): 0.1101 sq.ft.lbLRC: 6.5Duty cycle: Cont.(S1)Rated torque: 3.63 ft.lbInsulation class: F.ocked rotor torque: 200 %Service factor: 1.15Breakdown torque: 270 %Temperature rise: 80 KRated speed: 1445 rpmDesign: BHeating constantChanges SummaryPerformedCheckedPerformed by				Catalog # :	00118OT3E1	43JM-SG
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Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1445 rpm Design : B Heating constant	LRC	: 6.5	Duty cycle	e	: Cont.(S1)	-
Breakdown torque Rated speed : 270 % Temperature rise Design : 80 K Rated speed : 1445 rpm Design : B Heating constant - - Cooling constant - - Rev. Changes Summary Performed Checked Date Performed by - - - Checked by Page Revision - Date 14/04/2022 10 / 16 10 / 16 -						
Rated speed : 1445 rpm Design : B Heating constant						
Heating constant Cooling constant Rev. Changes Summary Performed Checked Date Performed by Image: Checked by Image: Checked by Page Revision Date 14/04/2022 10 / 16 Image: Checked by Image: Checked by						
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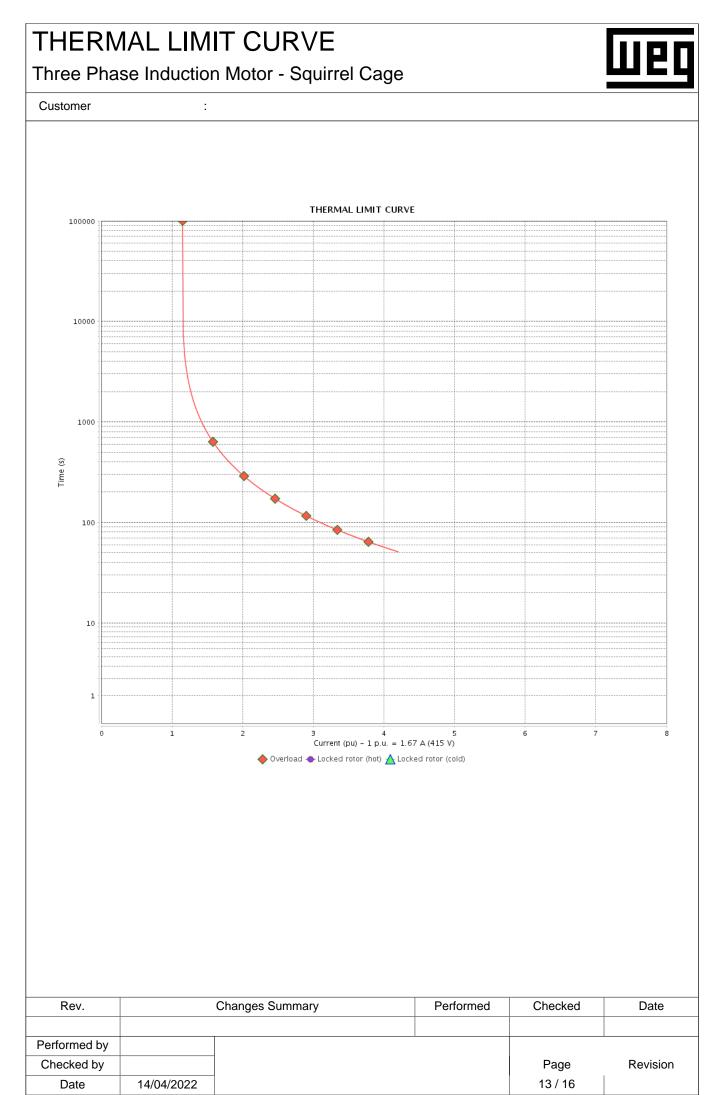
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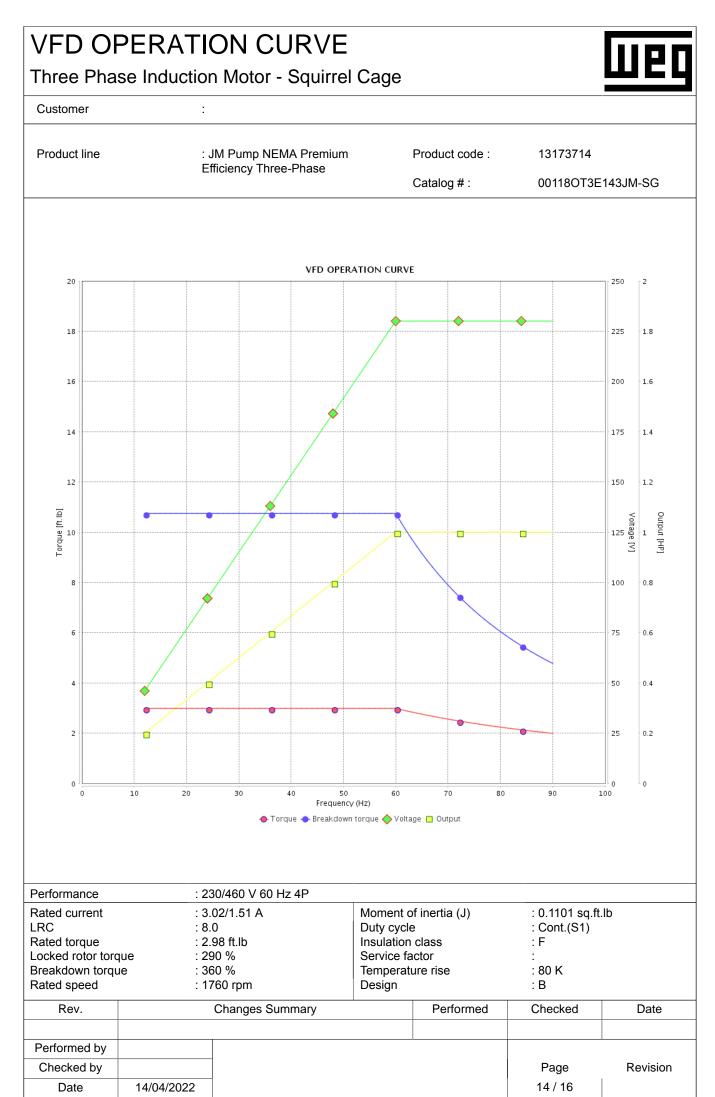
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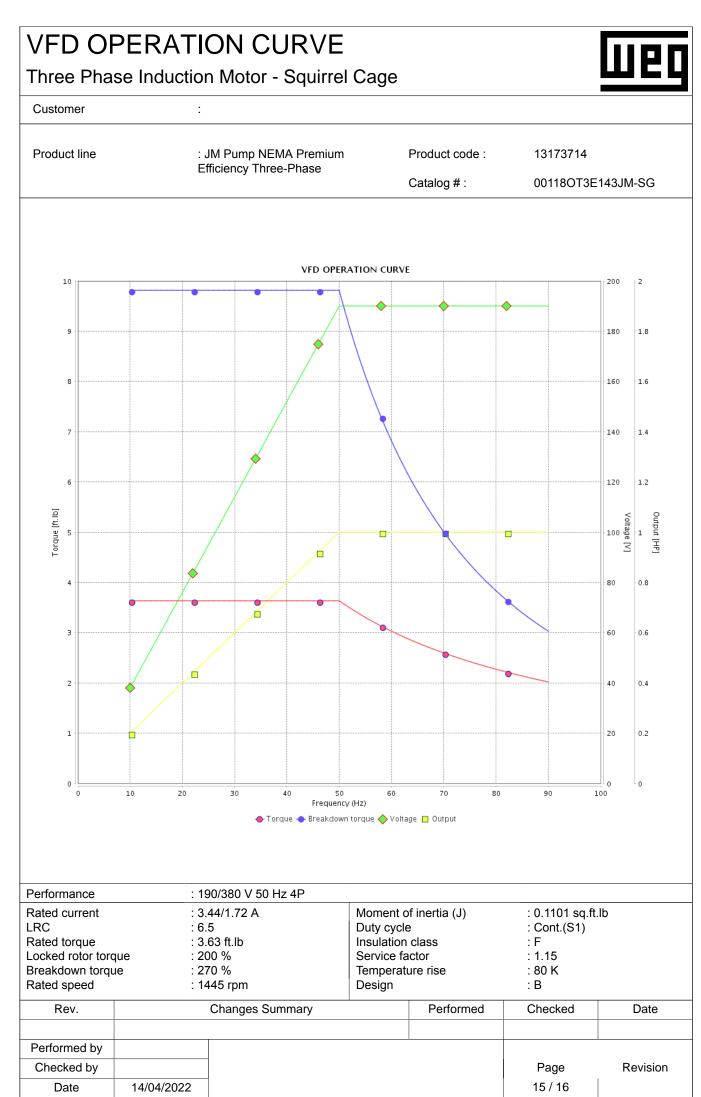


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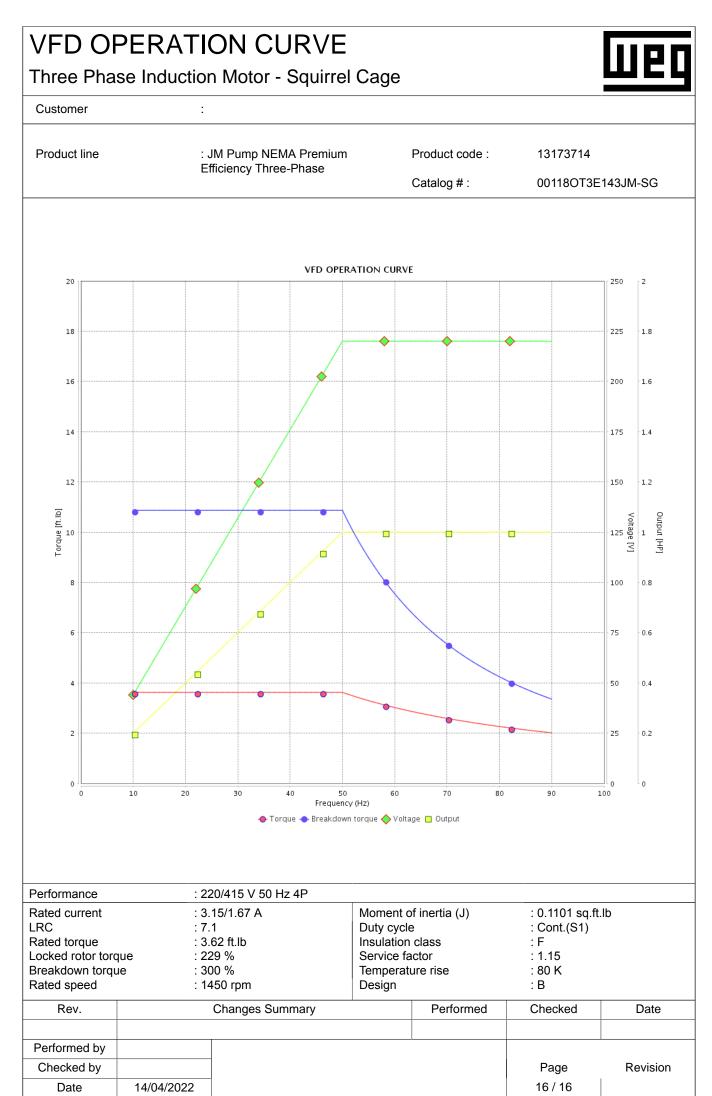
Product line	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13173714			
	Enciency milee-i mase		Catalog # :	00118OT3E	143JM-SG		
Performance	: 220/415 V 50 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.15/1.67 A : 7.1 : 3.62 ft.lb : 229 % : 300 % : 1450 rpm	Duty cycle Insulation Service fa	e class ictor	: 0.1101 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B			
Heating constant	-						
Cooling constant							
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		ting is not all	uty cycle : Cont.(S1) sulation class : F ervice factor : 1.15 emperature rise : 80 K esign : B Performed Checked Date Page Revision				



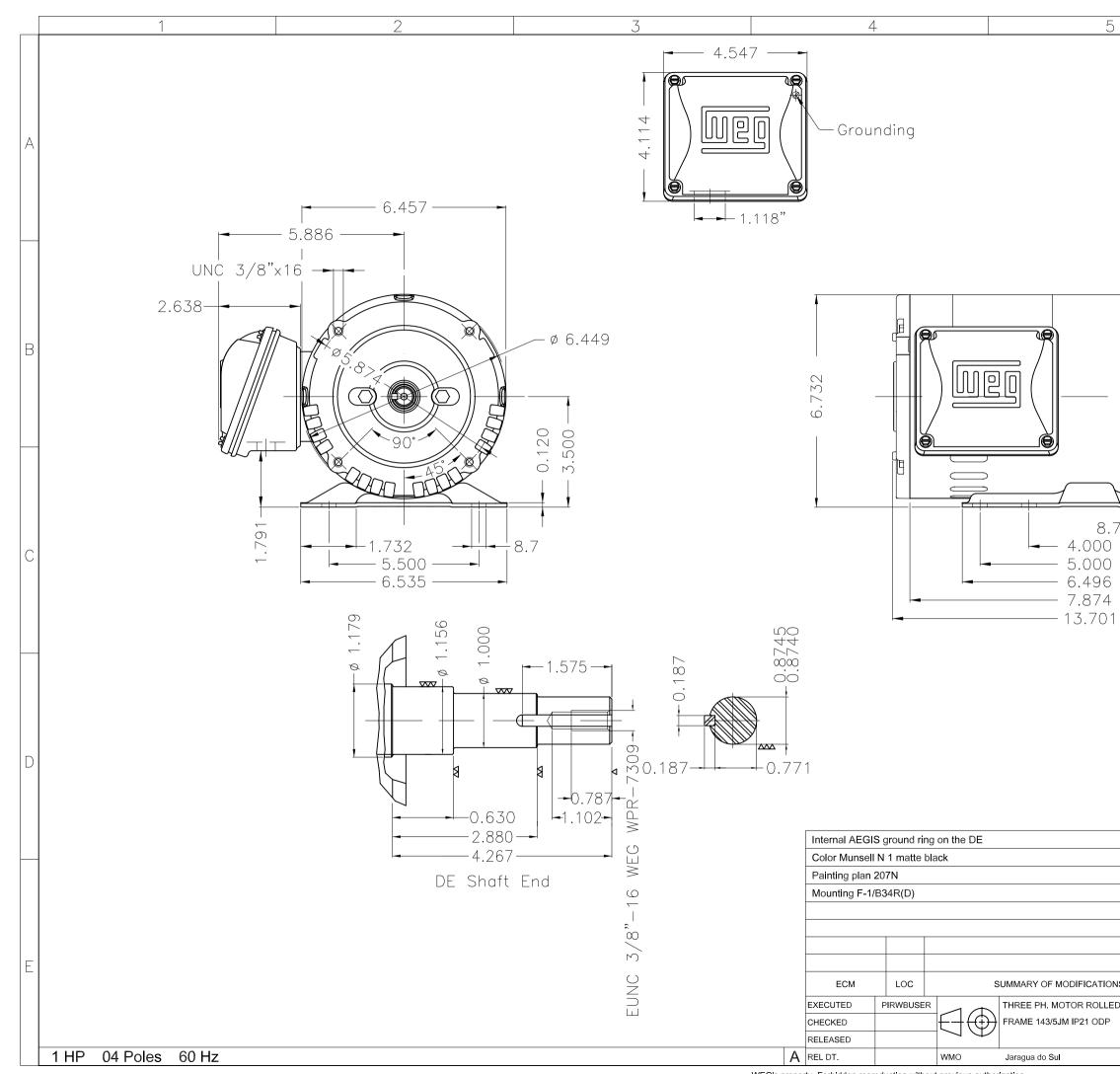




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COLOUS 1379 COLOUS LISTED COLOUS Energy Verified	C€		HP 1.0	 	SFA 3.47/1.74	DF 0.73			190-220/380-415V	1445RPM EFF 82.6% (IE3) IEC 60034-1	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 5:1 CT	MOBIL POLYREX EM	T4 T5 T6	T1-BLU	OUT TO THE TARK TO THE TARK	LI L T T T9-BRK RED	ES TO REVERSE THE ROTATION HOME AND	NING: Motor must be grounded in accordance with local in the second seco	AVERTISSEMENT. Le moteur doit être mis à la terre de la terre doit etre doit être mis à la terre doit odes électriques locaux et nationaux afin d'éviter tout e. Déconnectez l'allimentation avant l'entretien de la machine.
LIED REMIN	MADE IN MÉXICO MAT: 13173714 CC029A W01.TO0IC0X0N	MODEL 001180T3E143JM-SG 30MAR2022 B/N:	PH 3 Hz 60	ALT 1000 m.a.s.l	80K	40°C	ODE L	USABLE @ 208V 3.34A	NATE RATING: 1.0HP 5	3.44-3.15/1.72-1.67A 144	Inverter duty motor For 8	DE 6206-ZZ ODE 6203-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.	AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codre électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnecter l'alimentation avant l'entreflen de la machine.