DATA SHEET

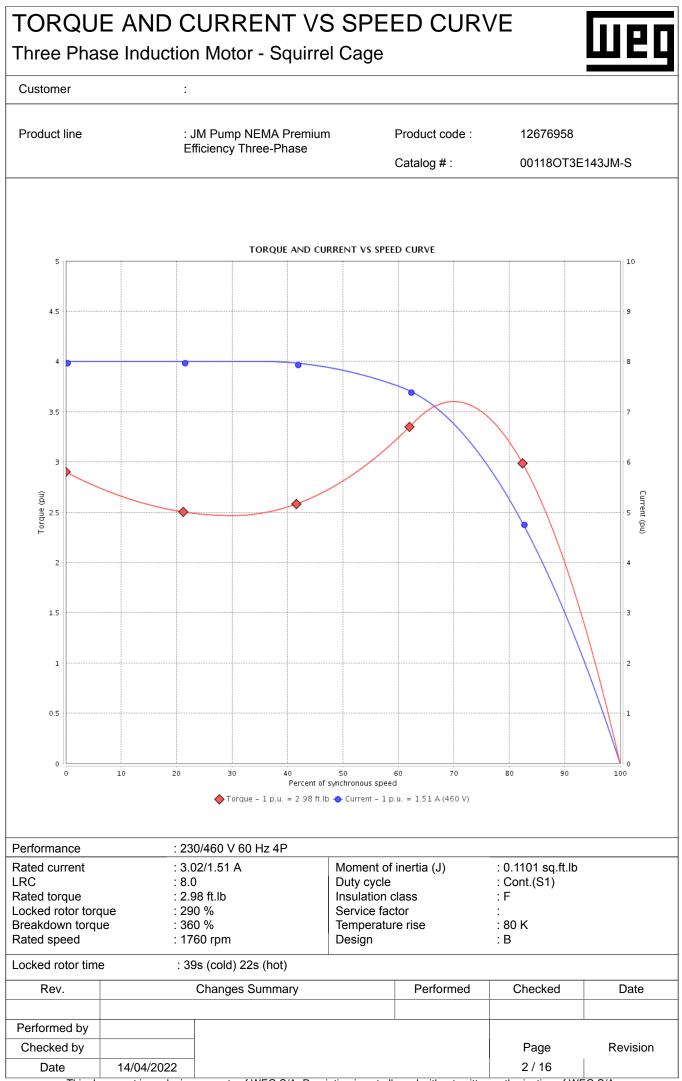
Three Phase Induction Motor - Squirrel Cage

:



Customer

	Product line		A Premium Phase	I	Product code :	12676958					
		Efficiency Three-I	11030	(Catalog # :	00118OT3E143JM-S					
Frame		: 143/5JM		Cooling	method	: IC01 - ODP					
Insulation class		: F		Mounting	9	: F-1					
Duty cycle		: Cont.(S1)		Rotation		: Both (CW					
Ambient tempera	ature	: -20°C to +40°C		Starting		: Direct On	Line				
Altitude		: 1000 m.a.s.l.		Approx.		: 36.8 lb					
Design		: B		Moment	of inertia (J)	: 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		20/415				
Rated current [A]		3.02/1.5			3.44/1.72		15/1.67				
L. R. Amperes [A]		24.2/12.			22.4/11.2		.4/11.9				
LRC [A]		8.0x(Code	,		.5x(Code J)		(Code K)				
No load current [A		1.92/0.95	58		1.88/0.942		93/1.02				
Rated speed [RPM	/]	1760			1445		1450				
Slip [%]		2.22			3.67		3.33				
Rated torque [ft.lb]		2.98	_		3.63		3.62				
Locked rotor torqu		290			200		229				
Breakdown torque		360			270		300				
Service factor					1.15		1.15				
Temperature rise		80 K			80 K		80 K				
Locked rotor time		39s (cold) 22	s (hot)	0s	(cold) 0s (hot)		Os (cold) Os (hot)				
Noise level ²		52.0 dB(49.0 dB(A)		49.0 dB(A)				
	25%	79.9	,		82.2		80.7				
	50%	81.5			81.9		81.0				
Efficiency (%)	75%	84.0			83.4		83.2				
	100%	85.5			82.6		83.1				
	25%	0.29			0.34		0.31				
	50%	0.23			0.59		0.55				
Power Factor	75%	0.65			0.73		0.69				
	100%	0.73			0.80		0.78				
	10070		on drive and	Foundatio			0.10				
Pooring type		Drive end No : 6206 ZZ	on drive end 6203 ZZ								
Bearing type				Max. trac		: 76 lb : 113 lb					
Sealing		: Without	Without	Max. con	pression						
La de sta a d'a catal	. – I	Bearing Seal	searing Seal								
Lubrication interv		-	-								
Lubricant amoun	L	- Makino i									
Lubricant type		: Mobil Poly	rex ⊨M								
Notes USABLE @208V	3.34A SF 1.0	00 SFA 3.34A									
		icel the previous on	e, which			based on tests w ne tolerances stipu					
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	otor from the Im and with to veight subjec ocess.	olerance of +3dB(A).								
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	otor from the Im and with to veight subjec ocess.	olerance of +3dB(A t to changes after									
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	otor from the Im and with to veight subjec ocess.	olerance of +3dB(A			Performed	Checked	Date				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	otor from the Im and with to veight subjec ocess.	olerance of +3dB(A t to changes after			Performed	Checked	Date				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	otor from the Im and with to veight subjec ocess.	olerance of +3dB(A t to changes after			Performed	Checked	Date				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	otor from the Im and with to veight subjec ocess.	olerance of +3dB(A t to changes after			Performed	Checked Page	Date				

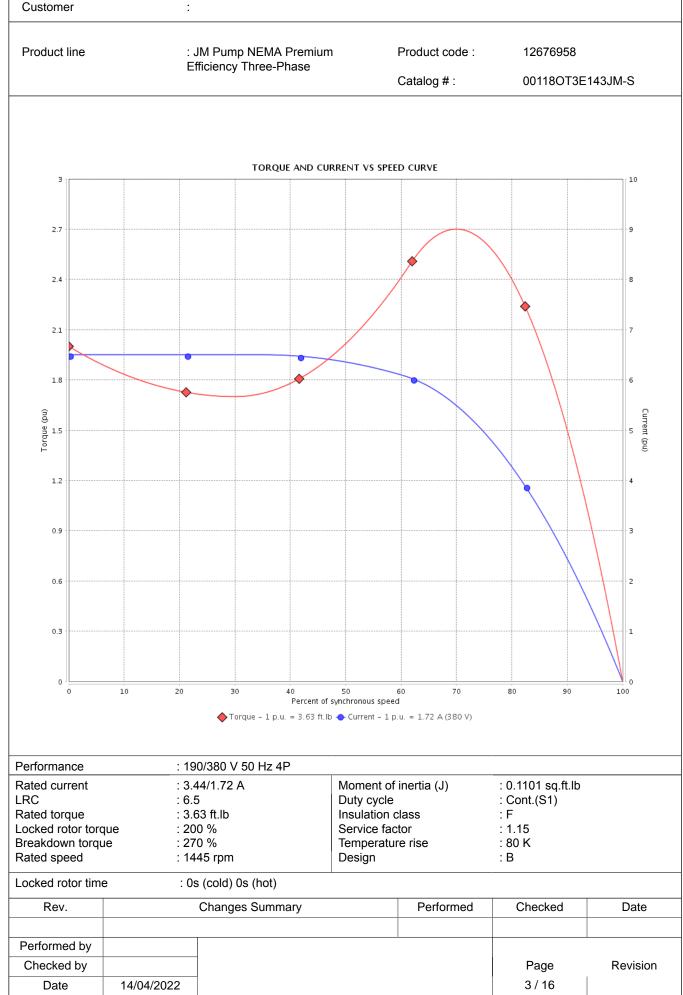


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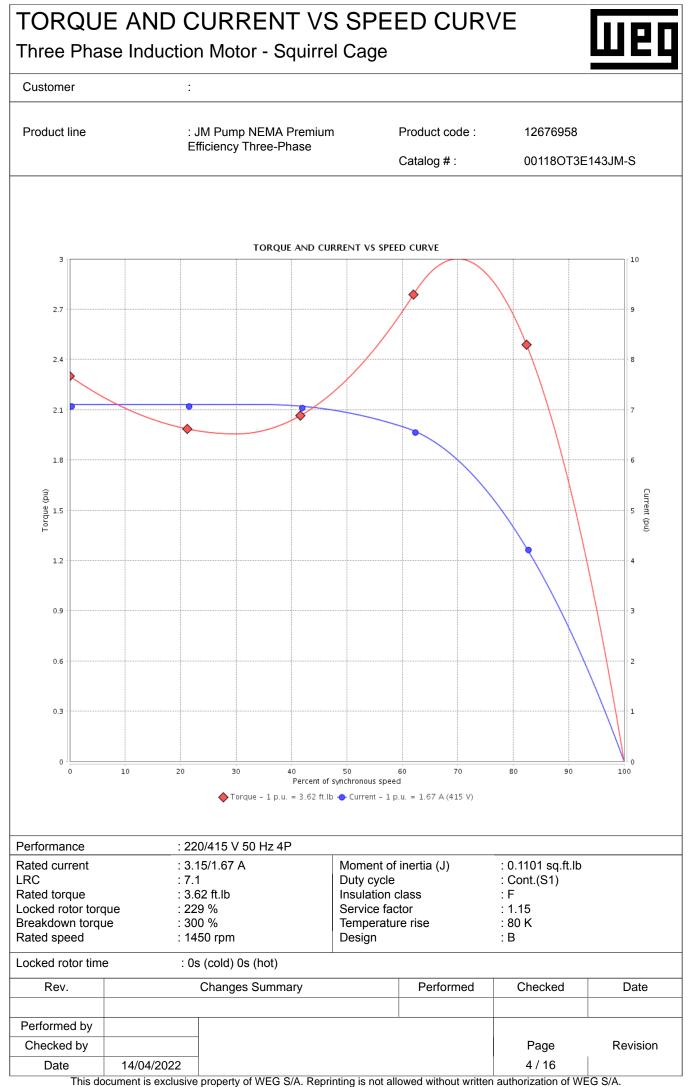
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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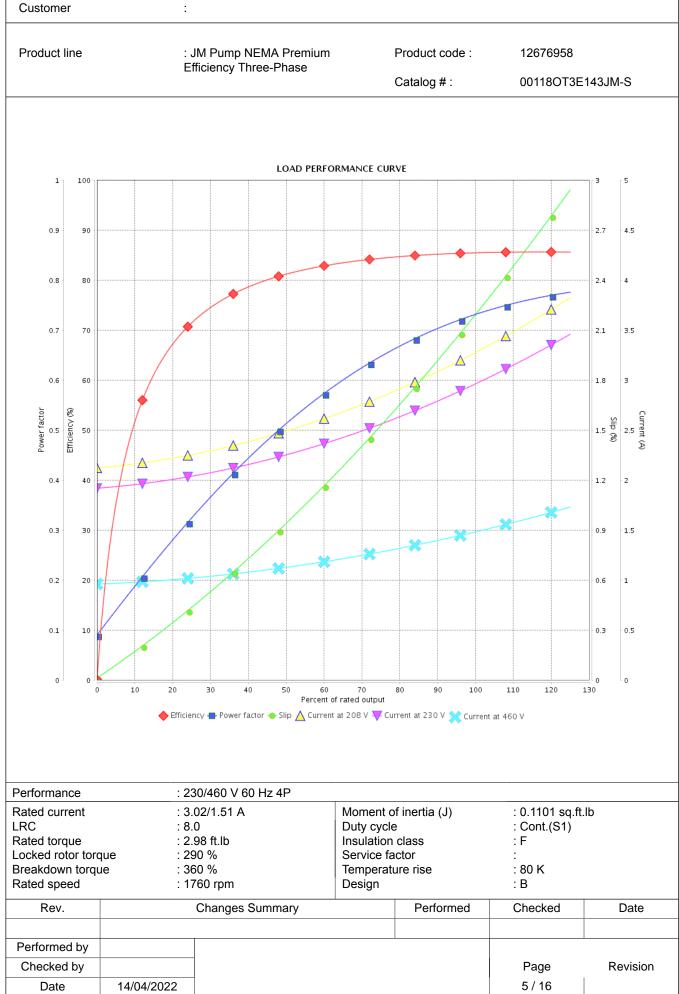


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LOAD PERFORMANCE CURVE

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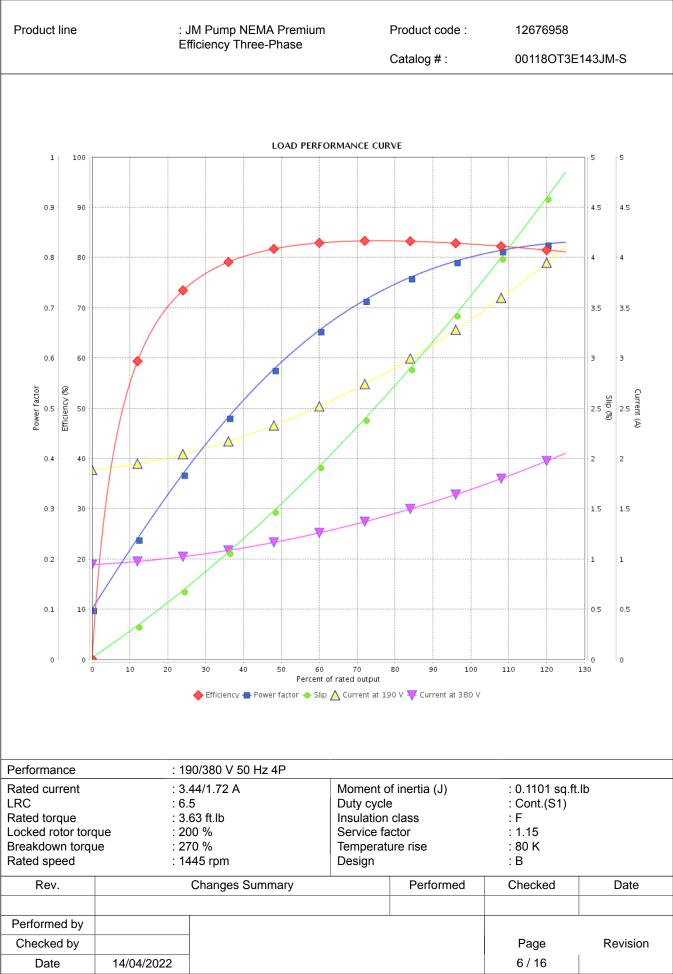
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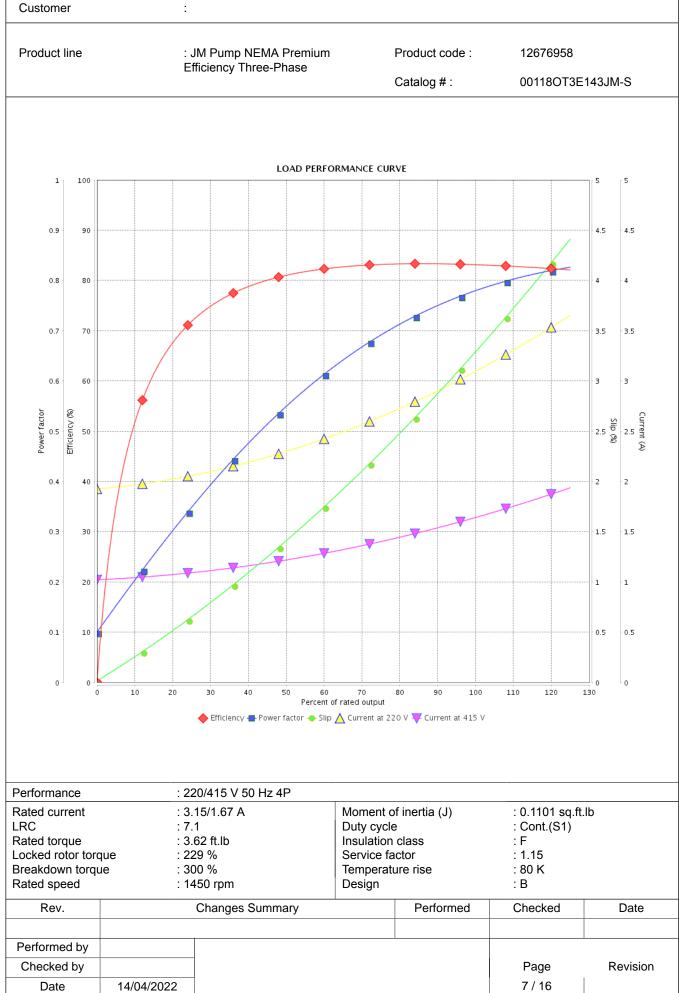
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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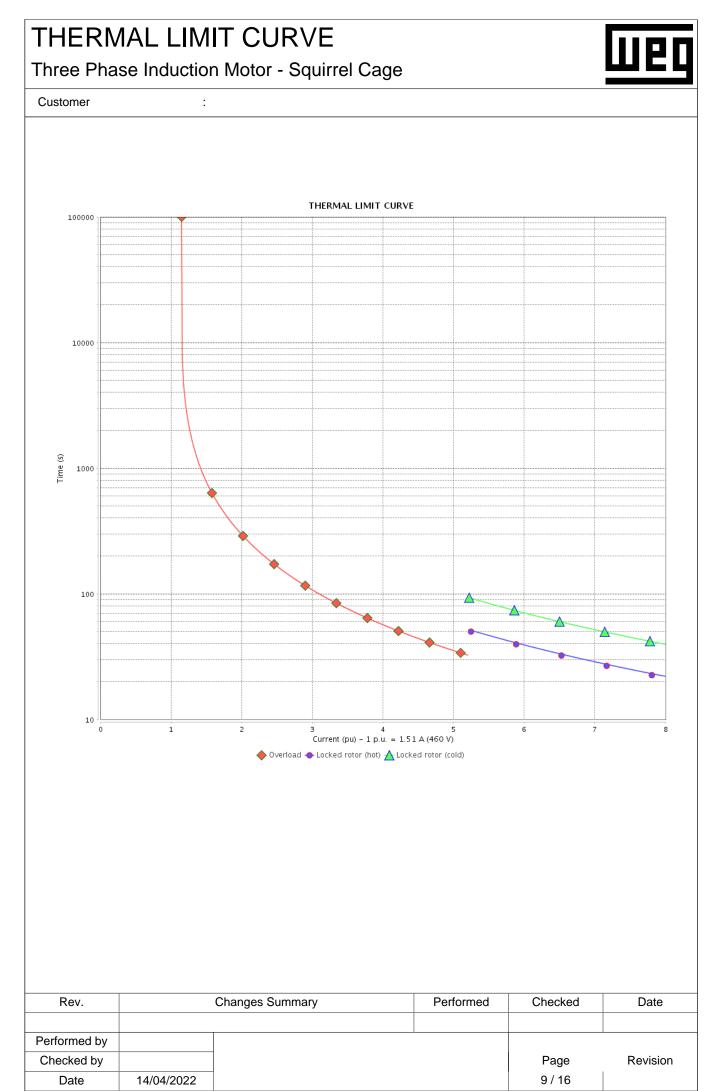


Customer

Product line		JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	12676958 00118OT3E143JM-S				
Performance		30/460 V 60 Hz 4P		<u></u>	0.4404 (1)				
Rated current LRC	: 3 : 8	.02/1.51 A .0	Moment c Duty cycle	of inertia (J)	: 0.1101 sq.ft.l : Cont.(S1)	b			
Rated torque	: 2	.98 ft.lb	Insulation	class	: F				
Locked rotor toro Breakdown torqu		90 % 60 %	Service fa Temperat		: : 80 K				
Rated speed		760 rpm	Design	ule lise	: B				
Heating constan			-						
Cooling constant									
Rev.		Changes Summary		Performed	Checked	Date			
Performed by									
Checked by					Page	Revision			
Date	14/04/2022				8 / 16				

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 14/04/2022
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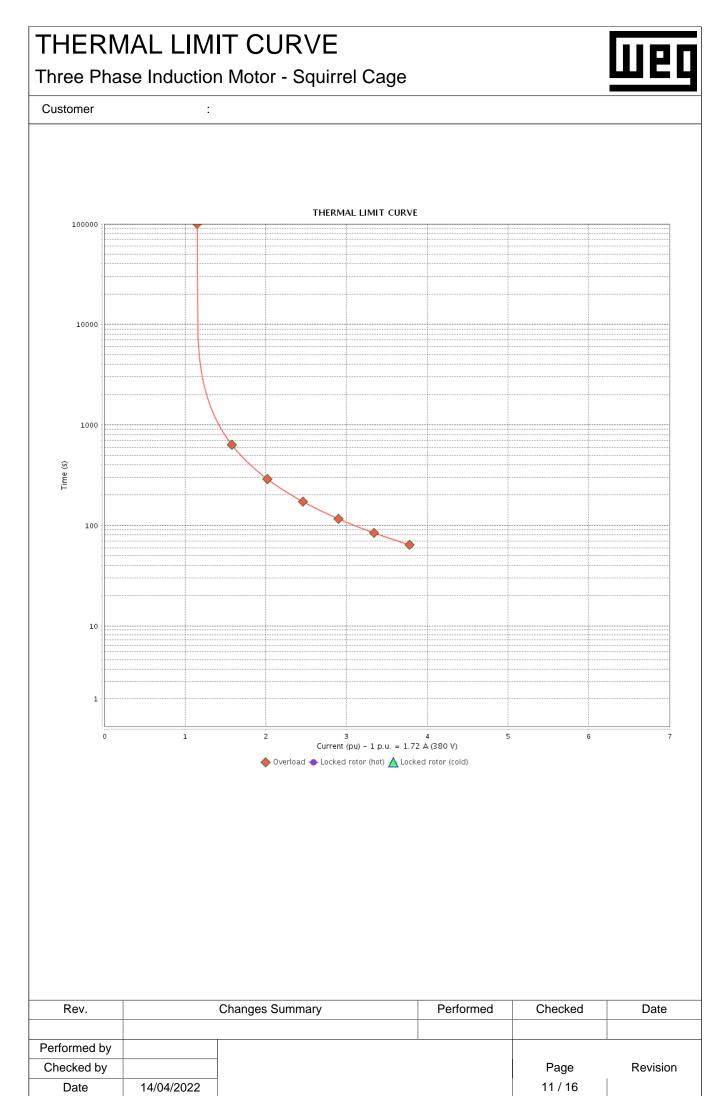


Customer

Product line	line : JM Pump NEMA Premiu Efficiency Three-Phase			Product code :	12676958				
	_			Catalog # :	00118OT3E1	43JM-S			
Performance	• 1	90/380 V 50 Hz 4P							
Rated current		5.44/1.72 A	Moment o	f inertia (J)	: 0.1101 sq.ft.l	b			
LRC	: 6	.5	Duty cycle	e	: Cont.(S1)	~			
Rated torque Locked rotor toro		9.63 ft.lb 200 %	Insulation Service fa		: F : 1.15				
Breakdown torqu		70 %	Temperati		: 80 K				
Rated speed		445 rpm	Design		: B				
Heating constan	t								
Cooling constant									
Rev.		Changes Summary		Performed	Checked	Date			
		T							
Performed by		_			_				
Checked by		_			Page	Revision			
Date	14/04/2022				10 / 16				

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THERMAL LIMIT CURVE

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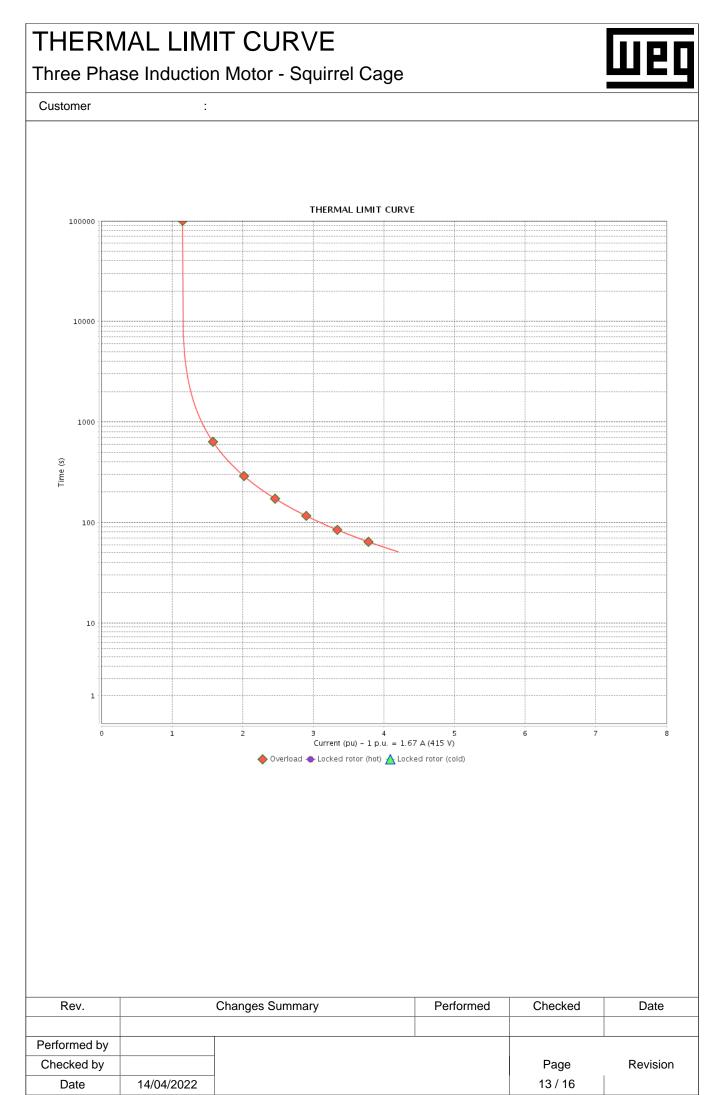


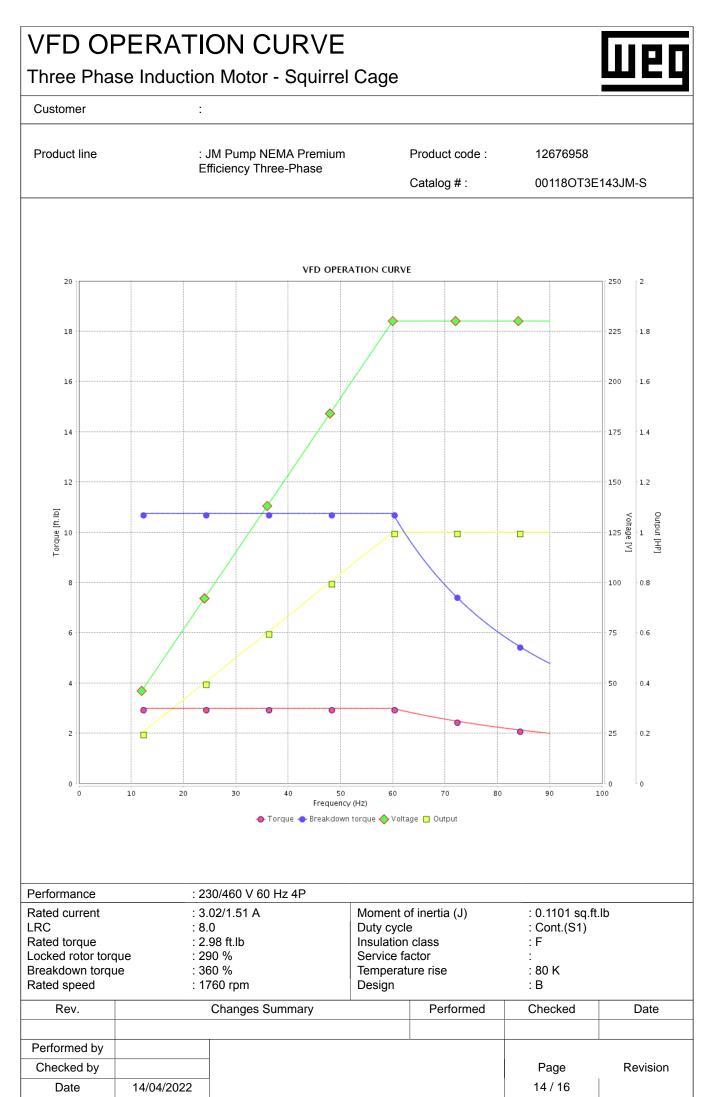
Customer

Product line	E	JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	12676958 00118OT3E1	43JM-S
Performance	: 2	20/415 V 50 Hz 4P				
Rated current LRC		.15/1.67 A	Moment o	of inertia (J)	: 0.1101 sq.ft.l	b
Rated torque	: 7 : 3	. i .62 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torc	lue : 2	29 %	Service fa	ictor	: 1.15	
Breakdown torqu Rated speed		00 % 450 rpm	Temperate Design	ure rise	: 80 K : B	
			Dooigii			
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
						240
Performed by				<u> </u>		
Checked by		-			Page	Revision
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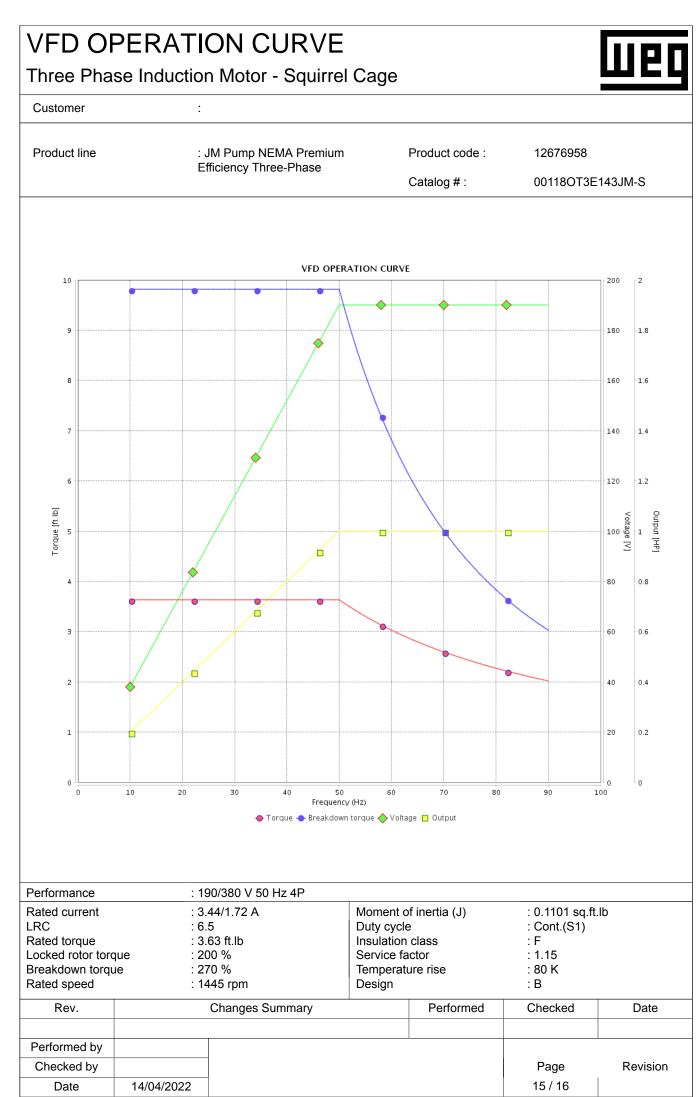
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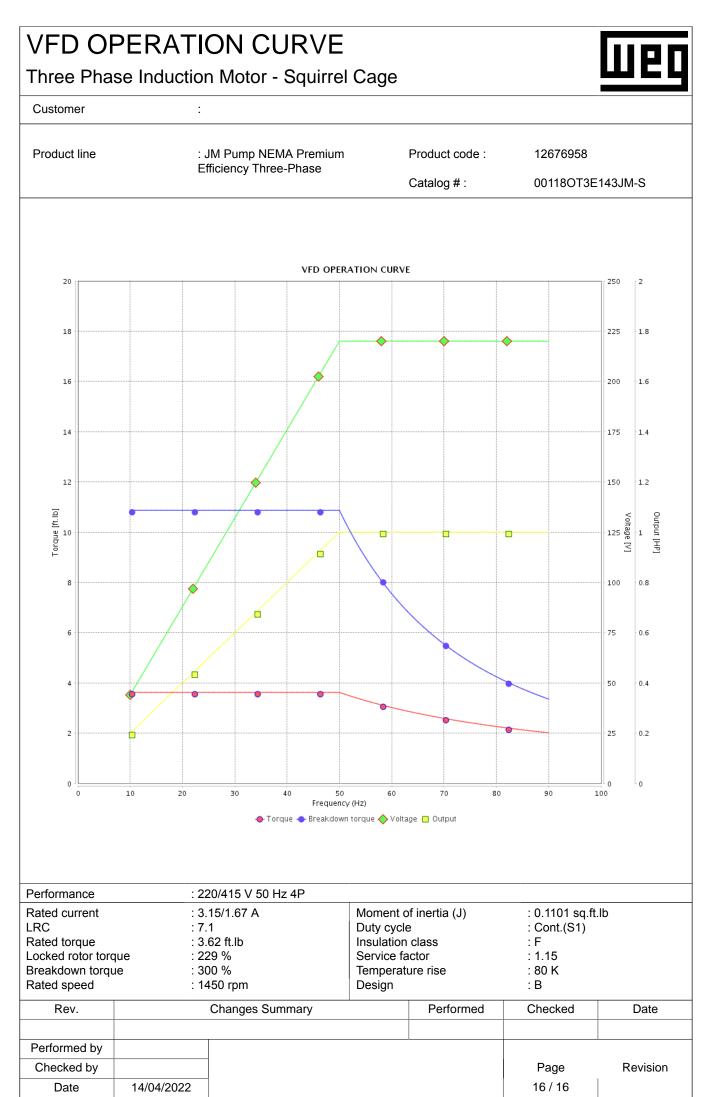




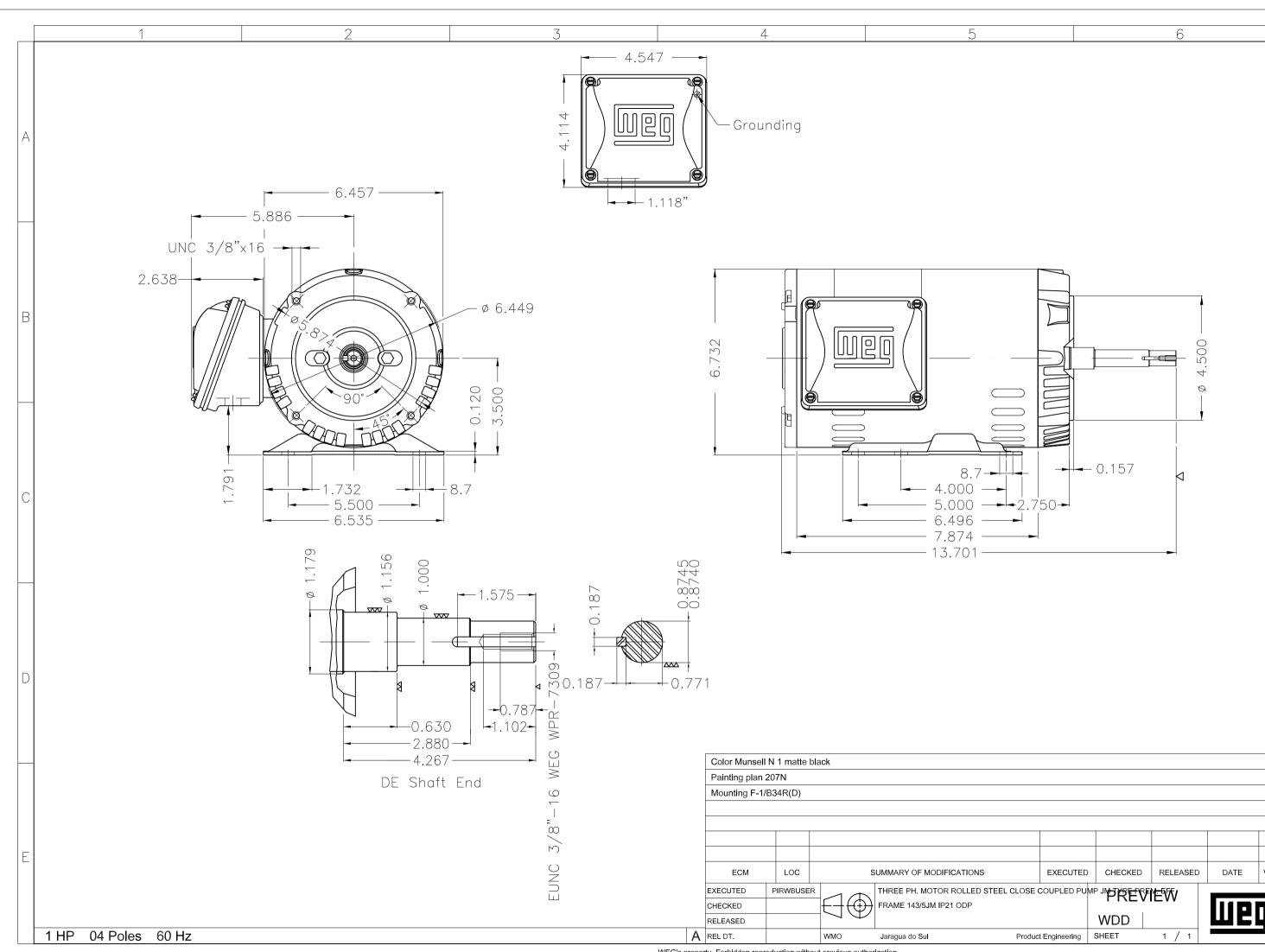
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						Dimensions in inches
010	EVEOUTED			DATE	VER	
ONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL CLOSE (COUPLED PUM	* JPREV	1977			3
		WDD		Ше		A3
Produc	t Engineering	SHEET	1 / 1			XME
	I		l			

COLOUS LISTED COLOR LISTED COLOR Energy Verified	CE			_	230/460				NEMA B5.5%	190-220/380-415V	RM 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 T2-WHT	417 418 419 T3-ORG T4-YEL	●T1 ●T2 ●T3 T7-PNK T8-RED	LI LZ L3 T9-BRK RED	O REVERSE THE ROTATION HOT WOND SHORE	prevent serious electrical	AVERTISSEMENT. Le moteur doit être mis à la terre de la contre de liocation Le doit étre mis à la terre doit odes électriques locaux et nationaux afin d'éviter tout e. Déconnectez l'allimentation avant l'entrefien de la machine.
LIEG Premium [®]	MADE IN MÉXICO MAT: 12676958 CC029A W01.T00IC0X0N	MULEL 0011001351433M-S 24MAR2022 B/N:	3 Hz 60		DUTY CONT.	1000 m.a.s.i	2L F AT 80K	40°C DES B	USABLE @ 208V 3.34A NE SF1.00	NATE RATING: 1.0HP 5	3.44-3.15/1.72-1.67A 1445RPM	Inverter duty motor For 80H	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'entrefen de la machine.