DATA SHEET

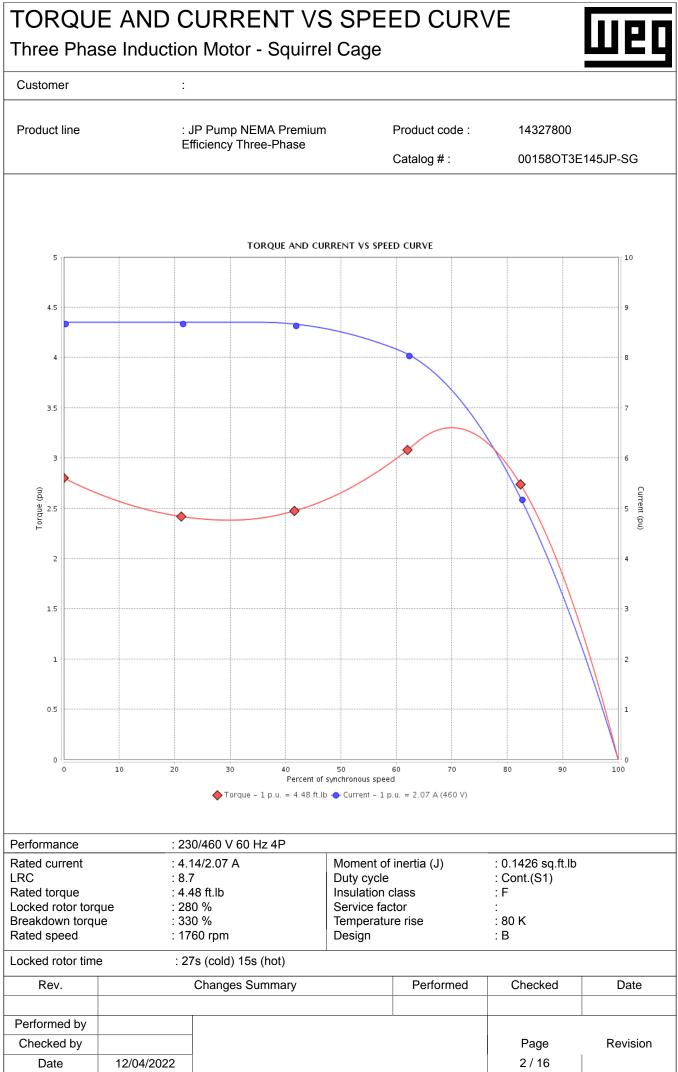
Three Phase Induction Motor - Squirrel Cage

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Customer

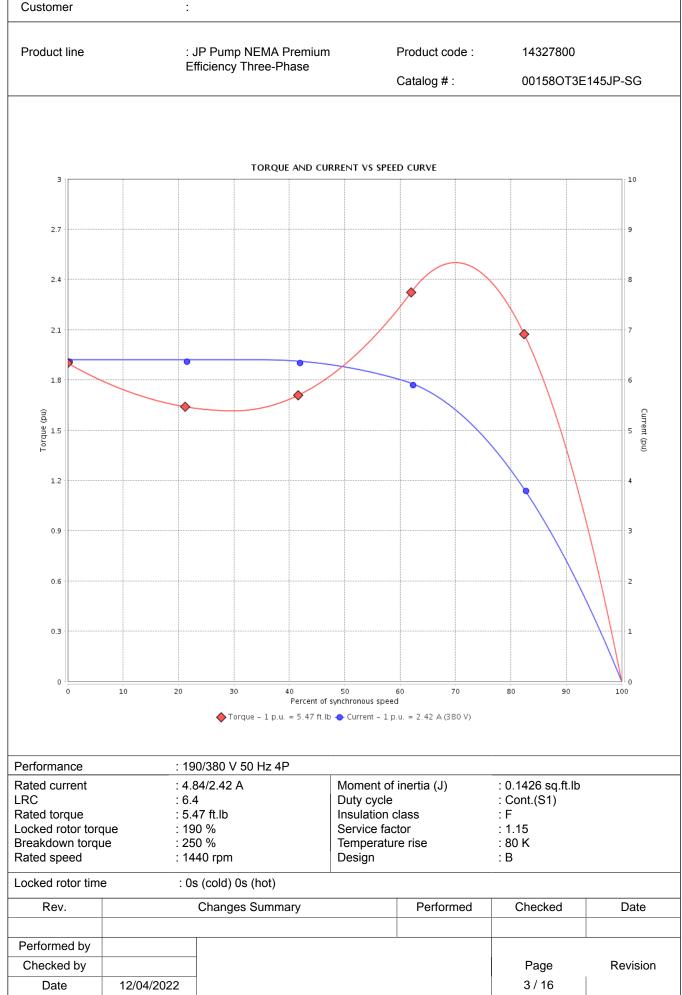
Product line		: JP Pump NEMA Premiun Efficiency Three-Phase	Product code :	14327800		
			Catalog # :	00158OT3E145JP-	00158OT3E145JP-SG	
Frame		: 143/5JP	Cooling method	: IC01 - ODP		
Insulation class		: F	Mounting	: F-1		
Duty cycle		: Cont.(S1)	Rotation ¹		: Both (CW and CCW)	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude		: 1000 m.a.s.l.	Approx. weight ³		: 41.9 lb	
Design		: B	Moment of inertia (J)	: 0.1426 sq.ft.lb		
Output [HP]		1.5	1.5	1.5		
Poles		4	4	4		
Frequency [Hz]		60	50	50		
Rated voltage [V]		230/460	190/380	220/415		
Rated current [A]		4.14/2.07	4.84/2.42	4.41/2.34		
L. R. Amperes [A]		36.0/18.0	31.0/15.5	30.9/16.4	30.9/16.4	
LRC [A]		8.7x(Code L)	6.4x(Code H)		7.0x(Code J)	
No load current [A	1	2.40/1.20	2.36/1.18	2.41/1.28	,	
Rated speed [RPN		1760	1440	1445		
Slip [%]	1	2.22	4.00	3.67		
	1	4.48	5.47		1	
Rated torque [ft.lb]					5.45	
Locked rotor torqu		280	190		220	
Breakdown torque	e [%]	330	250		280	
Service factor			1.15		1.15	
Temperature rise		80 K	80 K		80 K	
Locked rotor time		27s (cold) 15s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (h	ot)	
Noise level ²		52.0 dB(A)	49.0 dB(A)	49.0 dB(A)		
	25%	83.6	85.3	84.0		
	50%	84.0	84.3	83.6		
Efficiency (%)	75%	86.5	84.7	84.8		
	100%	86.5	83.2	83.9		
	25%	0.32	0.38	0.35		
Power Factor	50%	0.56	0.64	0.60		
	75%	0.69	0.77	0.73		
	100%	0.77	0.83	0.81		
		Drive end Non drive e	nd Foundation loads			
Bearing type		: 6206 ZZ 6203 Z	Max. traction	: 112 lb		
Sealing		: Without Withou		: 154 lb		
		Bearing Seal Bearing S				
Lubrication interv	val	:				
Lubricant amoun		:				
Lubricant type	-	: Mobil Polyrex EM				
Notes USABLE @208V	4.58A SF 1.	00 SFA 4.58A				
	ed. lotor from the Im and with t	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after		s based on tests with sinus he tolerances stipulated in		
(3) Approximate w manufacturing pro	ocess.					
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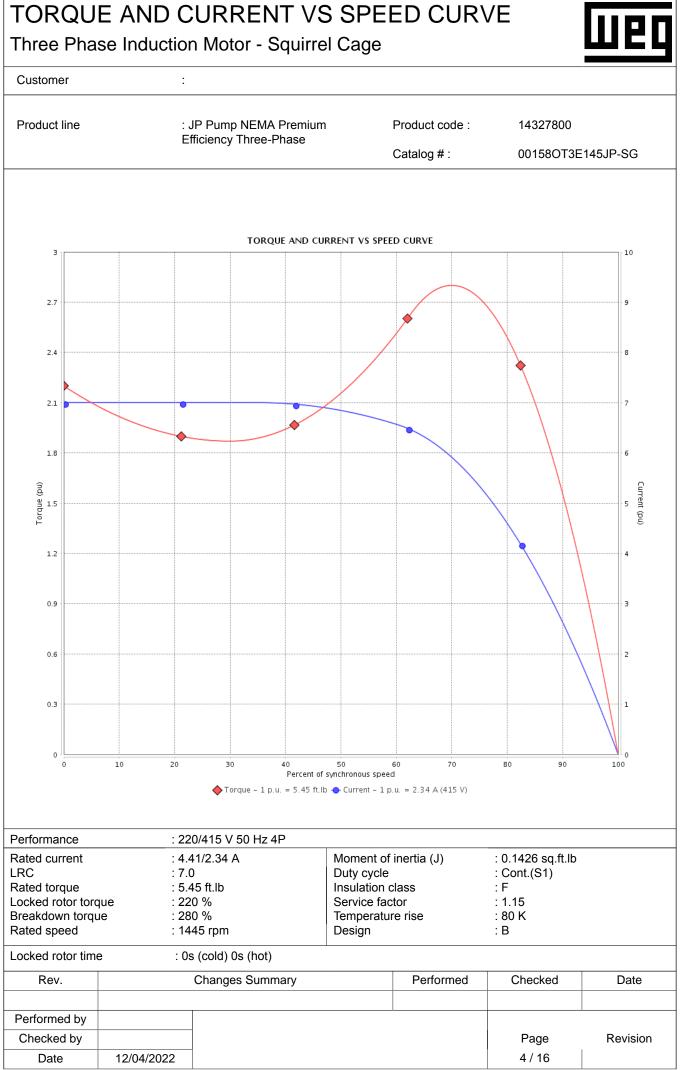
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



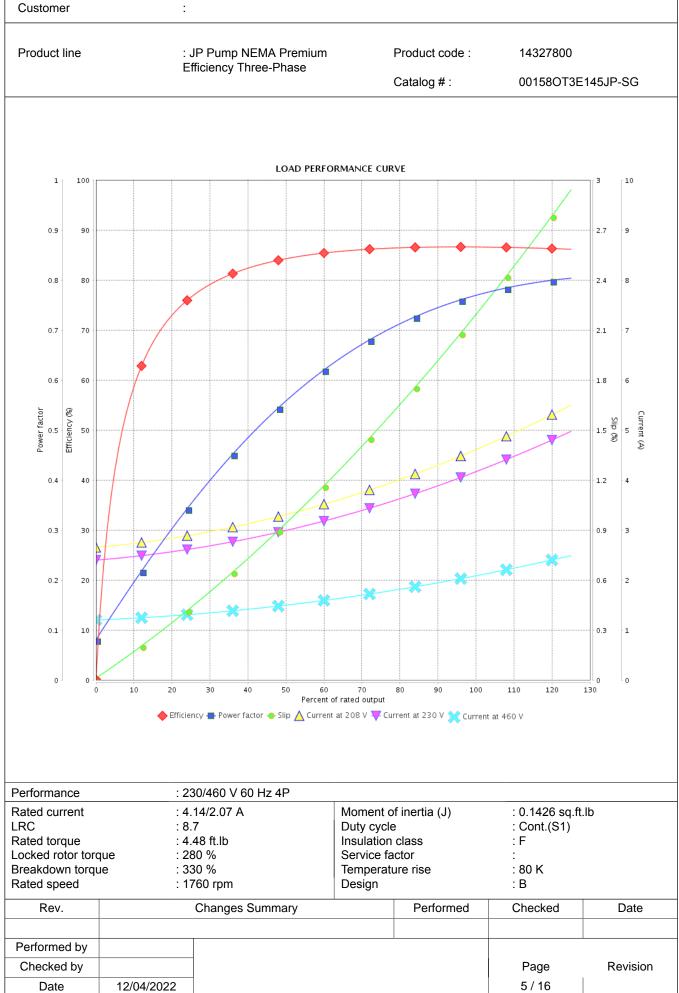
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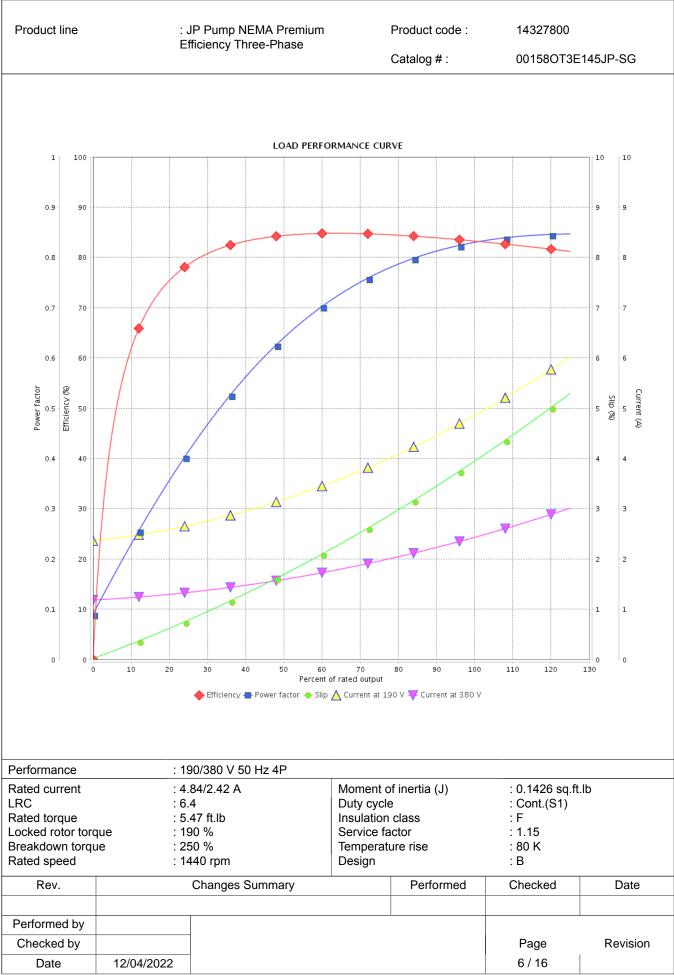
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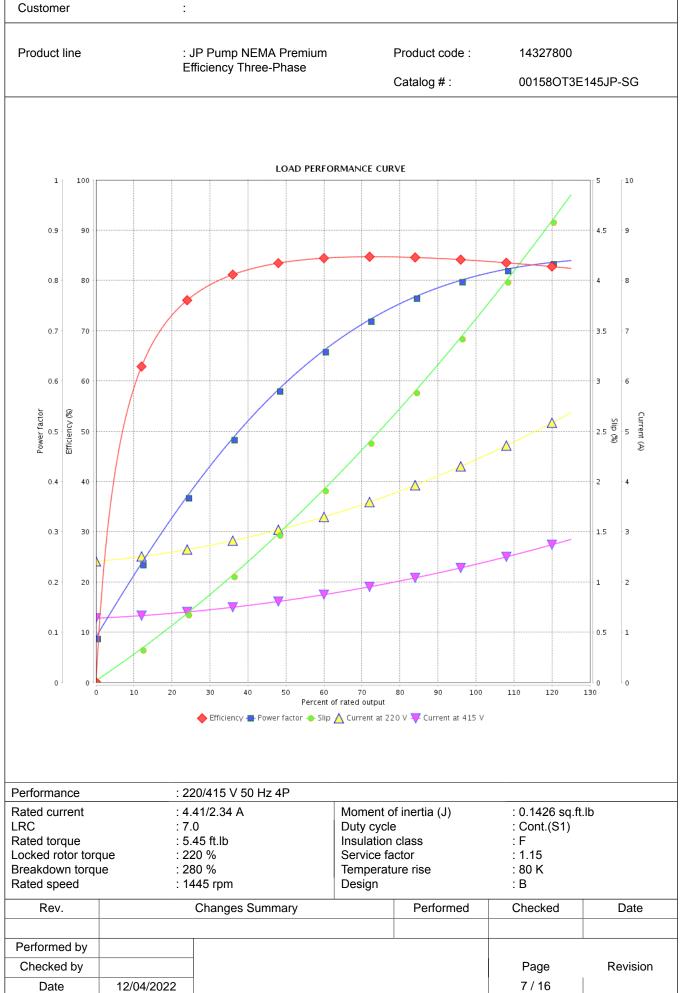
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THERMAL LIMIT CURVE

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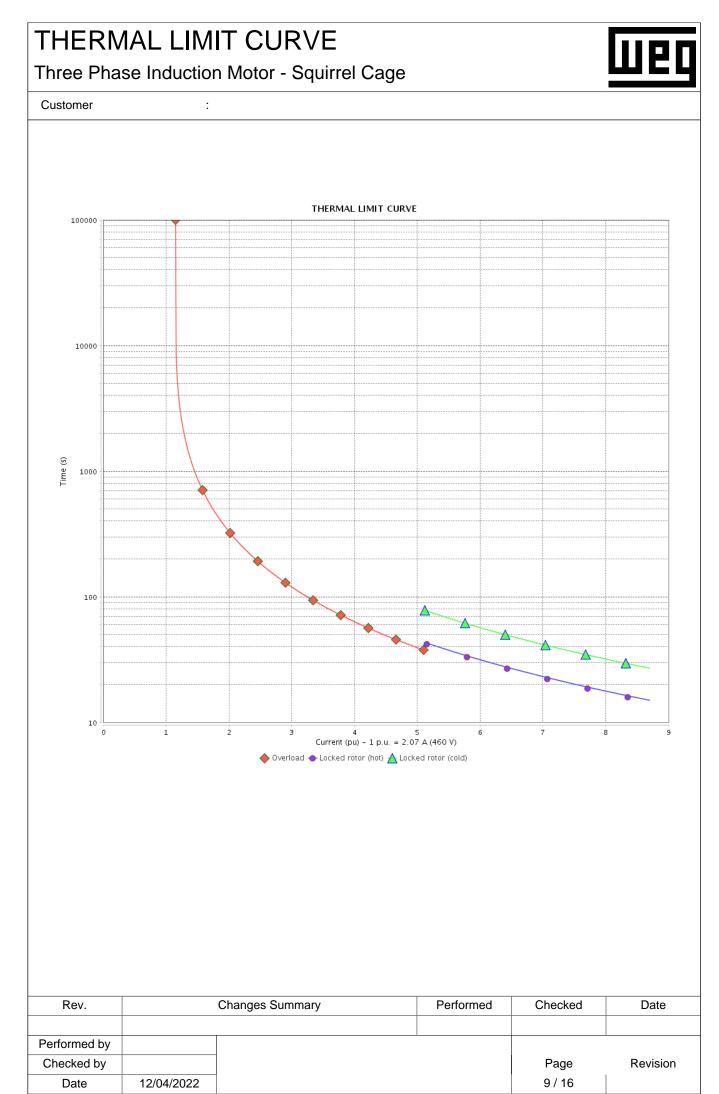


Customer

Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14327800 00158OT3E145JP-SG		
Defenses							
Performance		30/460 V 60 Hz 4P	Momenta	finartia (I)	· 0 1426 ~~ #	lb	
LRC: 8.7Rated torque: 4.48Locked rotor torque: 280 °Breakdown torque: 330 °		48 ft.lb 30 %	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1426 sq.ft. : Cont.(S1) : F : : 80 K : B	: Cont.(S1) : F : : 80 K	
Heating constant	t						
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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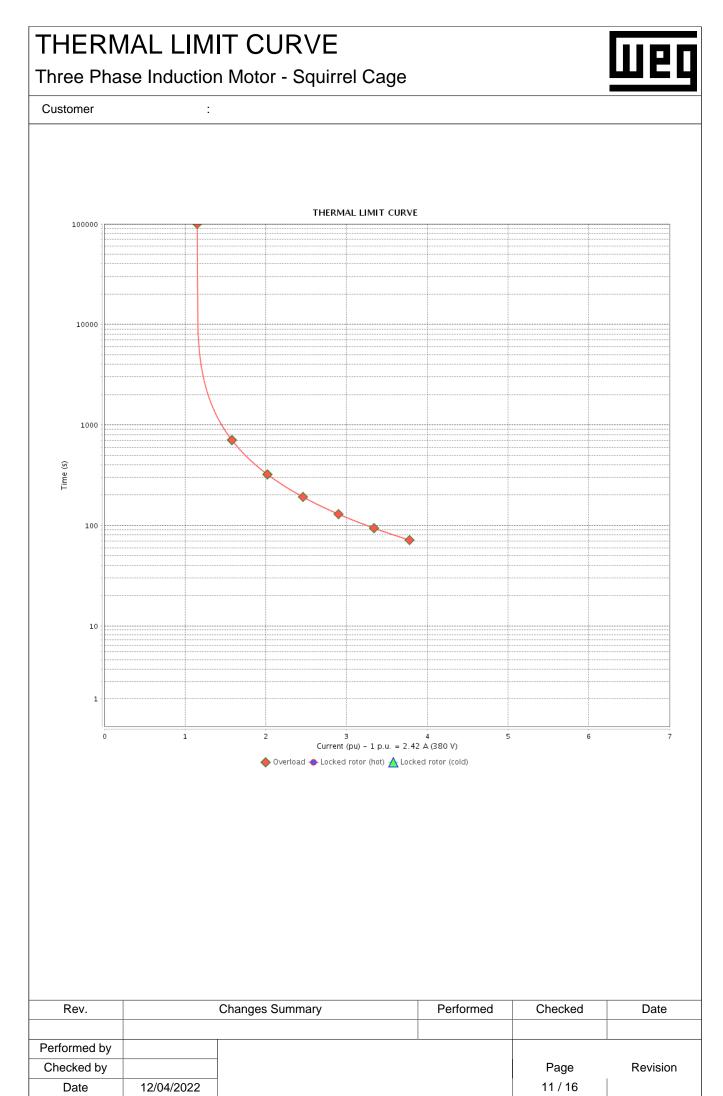


Customer

Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14327800 00158OT3E145JP-SG	
Performance	: 19	90/380 V 50 Hz 4P				
Rated current		84/2.42 A	Moment o	f inertia (J)	: 0.1426 sq.ft	lb
LRC	: 6.		Duty cycle		: Cont.(S1)	
Rated torque Locked rotor torc		47 ft.lb 90 %	Insulation Service fa		: F : 1.15	
Breakdown torqu		50 %	Temperati		: 80 K	
Rated speed		440 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.				Performed	Checked	Date
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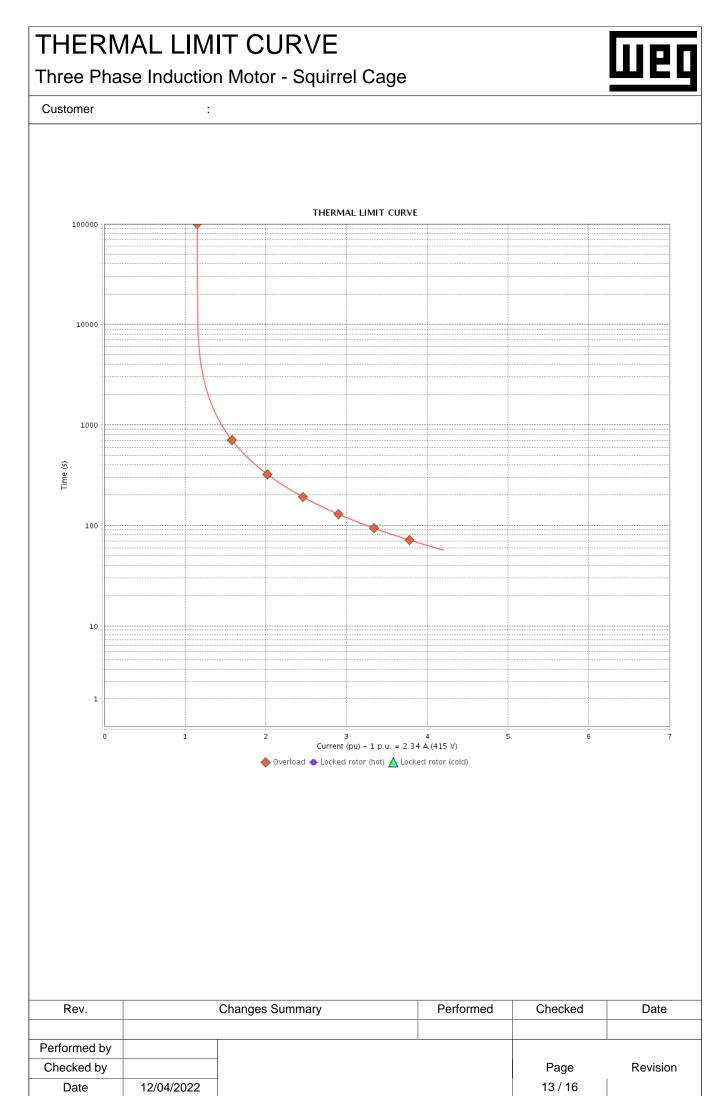


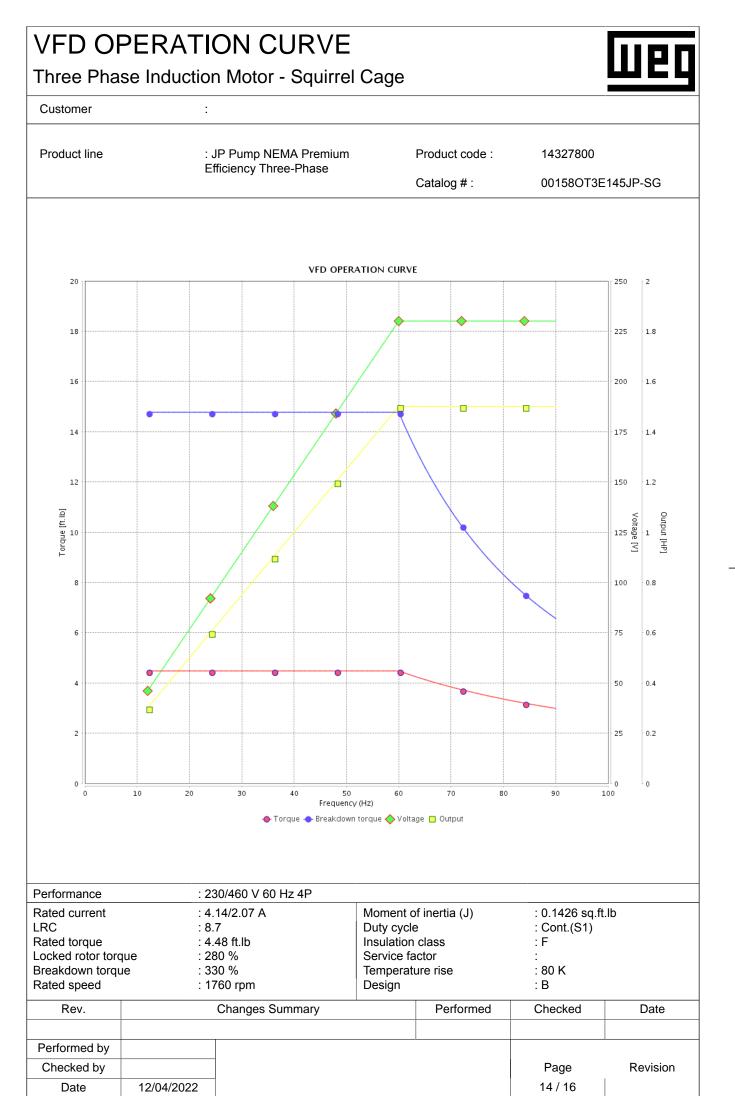
Customer

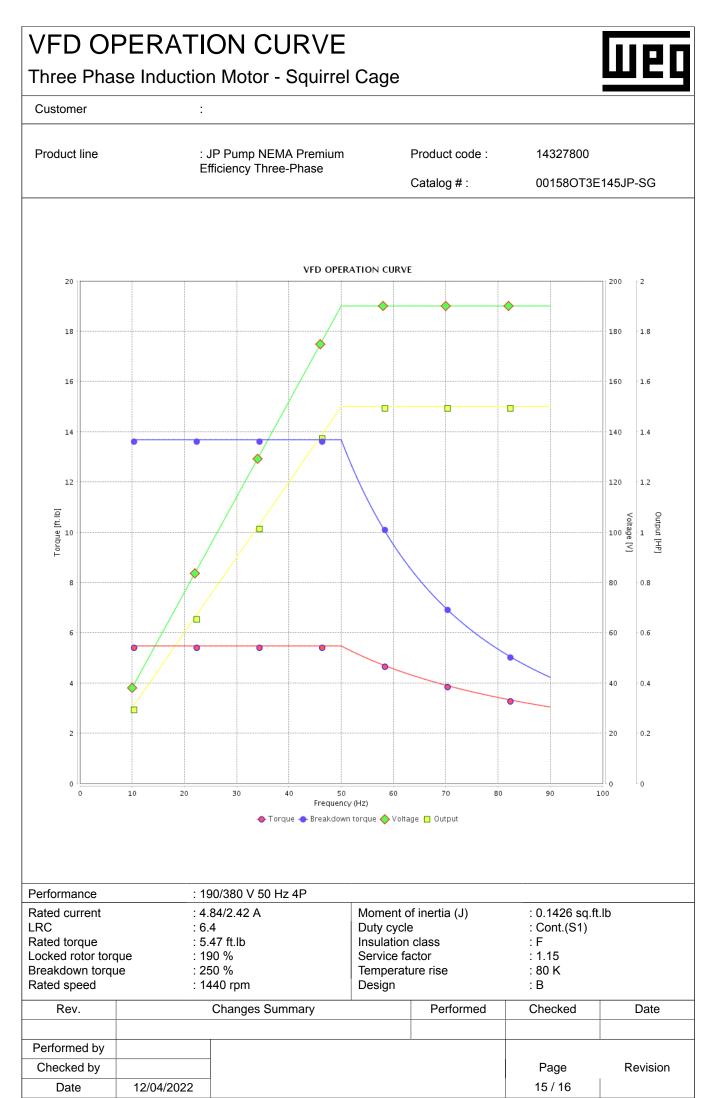
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14327800 00158OT3E145JP-SG	
Performance	: 22	20/415 V 50 Hz 4P				
Rated current: 4.41/2.34 ALRC: 7.0Rated torque: 5.45 ft.lbLocked rotor torque: 220 %Breakdown torque: 280 %Rated speed: 1445 rpm		0 45 ft.lb 20 % 80 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1426 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	+					
Cooling constant						
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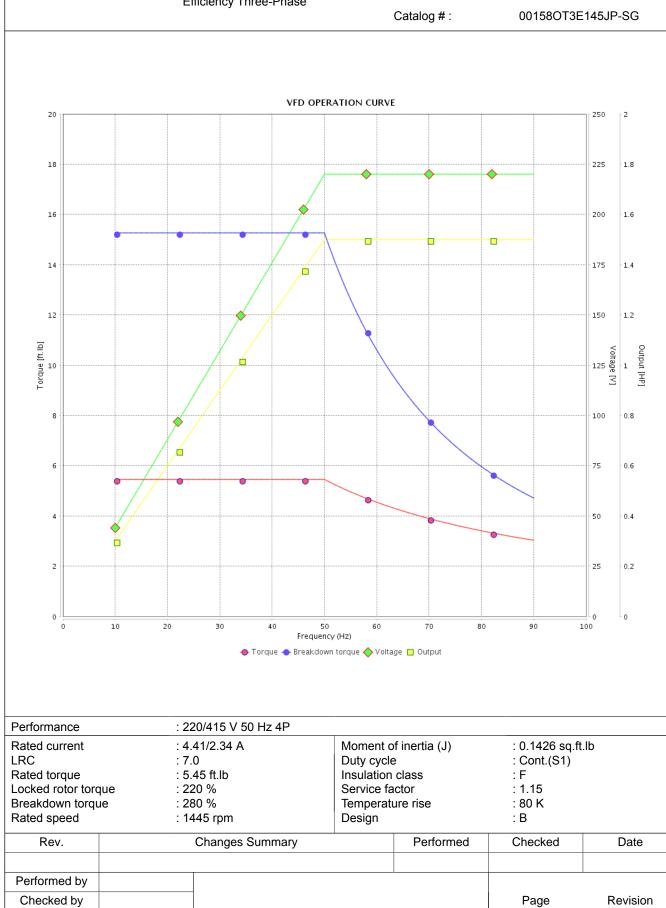
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VFD OPERATION CURVE Three Phase Induction Motor - Squirrel Cage Customer : Product line : JP Pump NEMA Premium Product code : Efficiency Three-Phase



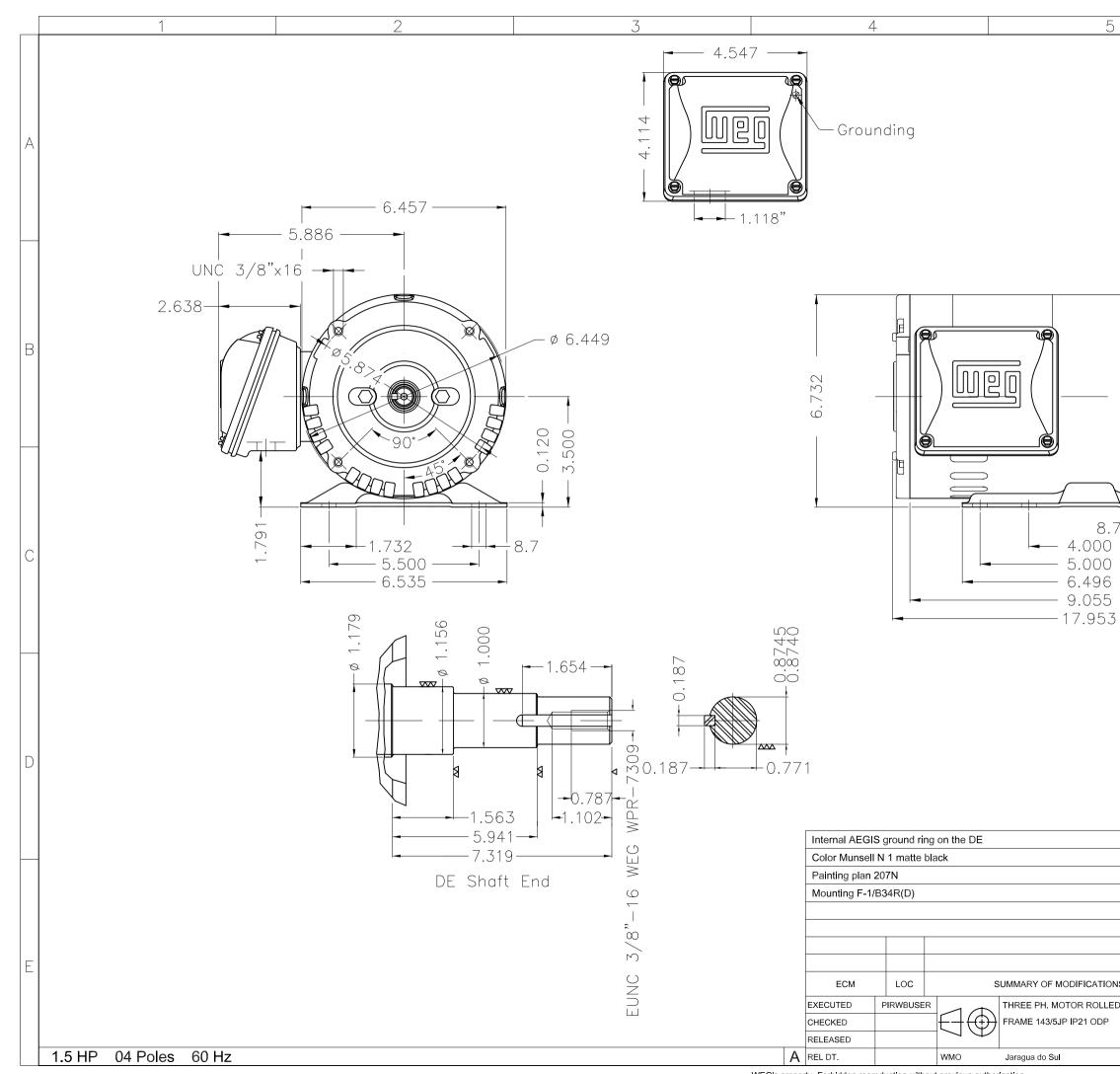
14327800

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Date

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