DATA SHEET

Three Phase Induction Motor - Squirrel Cage

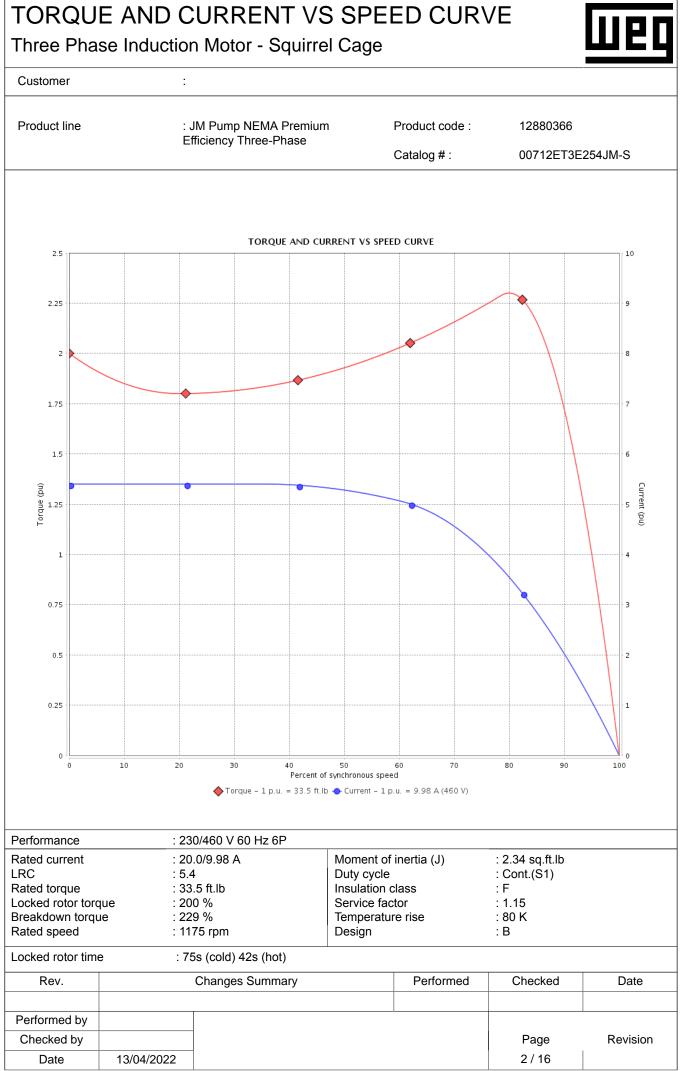
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Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	12880366		
		Lindency Three hase	Catalog # :	00712ET3E254JM-S		
Frame		: 254/6JM	Cooling method	: IC411 - TEFC		
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	: 224 lb		
Protection degre	۵	: IP55	Moment of inertia (J)	: 2.34 sq.ft.lb		
Design	C	: B		. 2.04 39.11.10		
Dutput [HP]		7.5	7.5	7.5		
Poles		6	6	6		
Frequency [Hz]		60	50	50		
Rated voltage [V]		230/460	190/380	220/415		
Rated current [A]		20.0/9.98		21.7/11.5		
			24.0/12.0			
R. Amperes [A]		108/53.9	101/50.4	102/54.1		
.RC [A]		5.4x(Code G)	4.2x(Code D)	4.7x(Code E)		
lo load current [A		10.1/5.03	9.92/4.96	10.1/5.35		
ated speed [RPN	Л]	1175	965	970		
Slip [%]		2.08	3.50	3.00		
Rated torque [ft.lb]	1	33.5	40.8	40.6		
ocked rotor torqu		200	150	170		
Breakdown torque		200	180	200		
	[/0]					
Service factor		1.15	1.00	1.00		
Temperature rise		80 K	105 K	105 K		
ocked rotor time		75s (cold) 42s (hot)	0s (cold) 0s (hot)	Os (cold) Os (hot)		
Noise level ²		59.0 dB(A)	57.0 dB(A)	57.0 dB(A)		
	25%	88.1	91.0	90.5		
	50%	89.5	89.9	89.6		
Efficiency (%)	75%	89.5	89.5	89.8		
	100%	91.0	88.0	88.5		
	25%	0.35	0.40	0.37		
Power Factor	50%	0.58	0.65	0.61		
	75%	0.70	0.75	0.72		
	100%	0.76	0.79	0.78		
		Drive end Non drive end				
Bearing type		: 6309 Z C3 6208 Z C3	Max. traction	: 277 lb		
Sealing		: V'Ring Without	Max. compression	: 501 lb		
U U		Bearing Seal				
Lubrication interv	/al	: 20000 h 20000 h				
Lubricant amoun		: 13 g 8 g				
Lubricant type	-	: Mobil Polyrex EM				
_assistant type						
Notes						
Notes USABLE @208V	22.1A SF 1.	00 SFA 22.1A				
	22.1A SF 1.	00 SFA 22.1A				
	22.1A SF 1.	00 SFA 22.1A				
	22.1A SF 1.	00 SFA 22.1A				
	22.1A SF 1.	00 SFA 22.1A				
USABLE @208V		00 SFA 22.1A	These are average values b	based on tests with sinusoidal		
USABLE @208V	aces and car					
USABLE @208V This revision repla must be eliminate	aces and car	ncel the previous one, which				
USABLE @208V This revision repla must be eliminate (1) Looking the m	aces and car ed.	ncel the previous one, which	power supply, subject to the			
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USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. lotor from the lm and with t veight subjec ocess.	ncel the previous one, which e shaft end. tolerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and car ed. lotor from the lm and with t veight subjec ocess.	ncel the previous one, which e shaft end. tolerance of +3dB(A).	power supply, subject to the			
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USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. lotor from the lm and with t veight subjec ocess.	ncel the previous one, which e shaft end. tolerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	aces and car ed. lotor from the lm and with t veight subjec ocess.	ncel the previous one, which e shaft end. tolerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA Checked Date		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and car ed. lotor from the lm and with t veight subjec ocess.	ncel the previous one, which e shaft end. tolerance of +3dB(A). ct to changes after Changes Summary	power supply, subject to the MG-1.	tolerances stipulated in NEMA Checked Date		

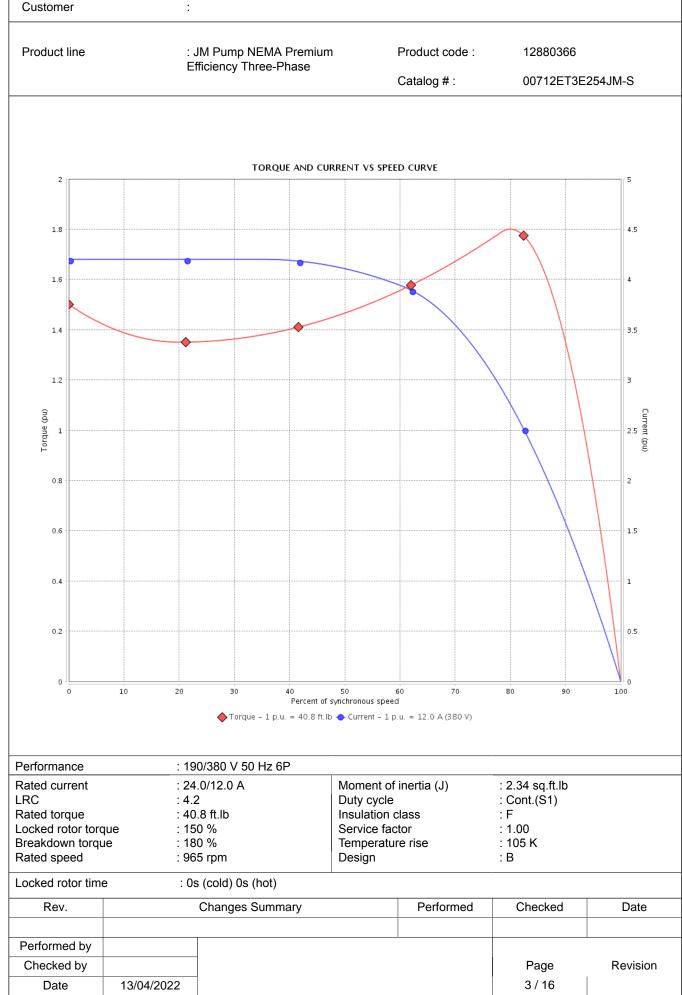
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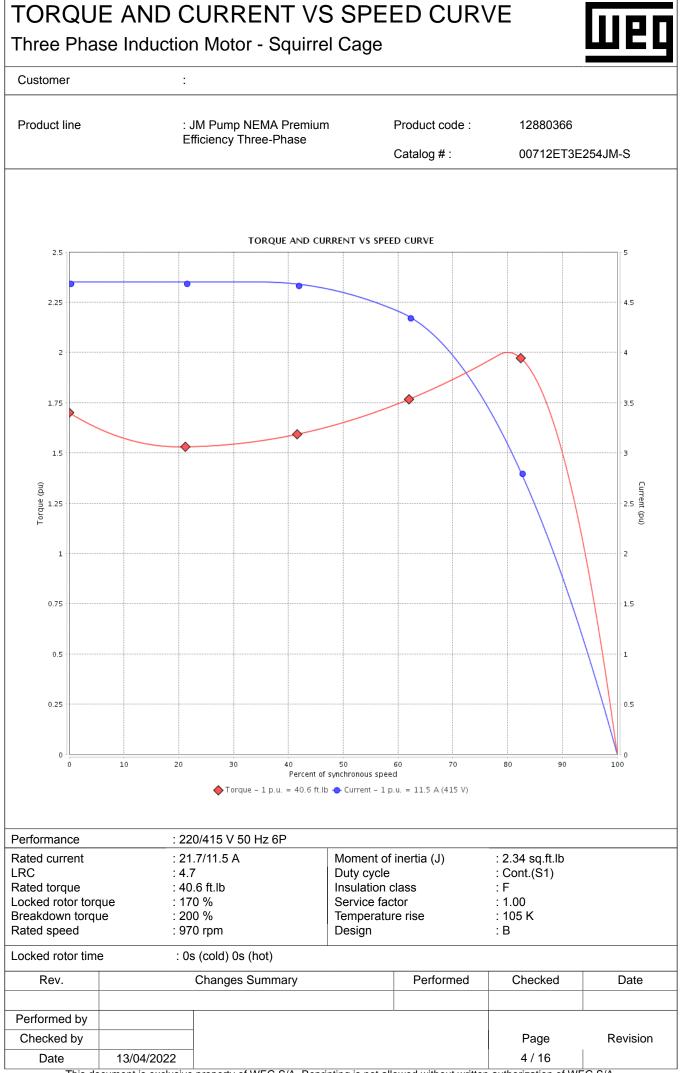
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



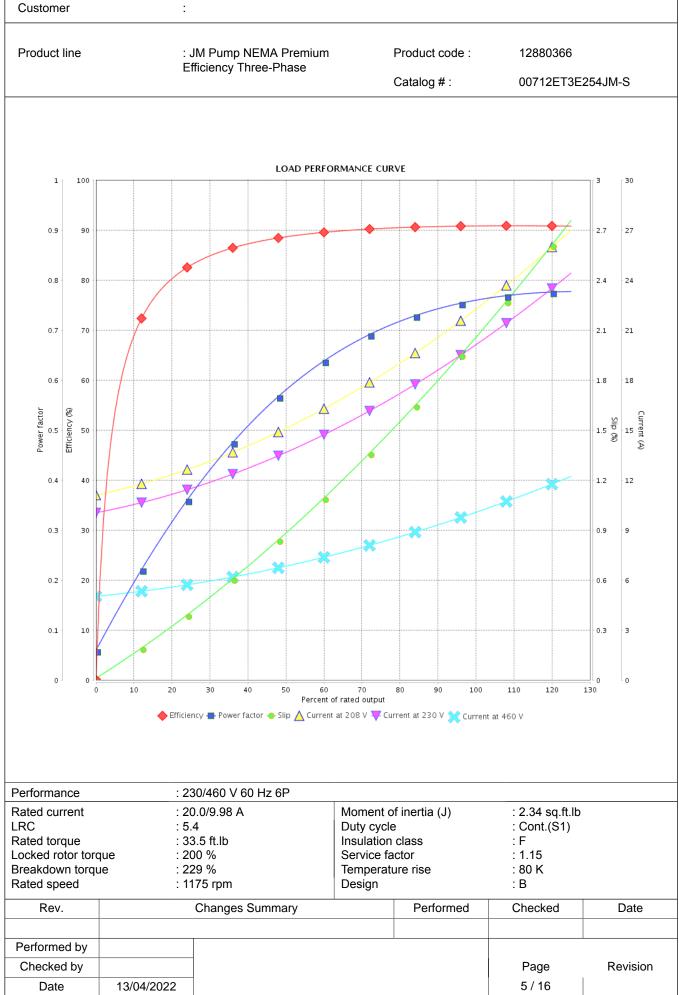
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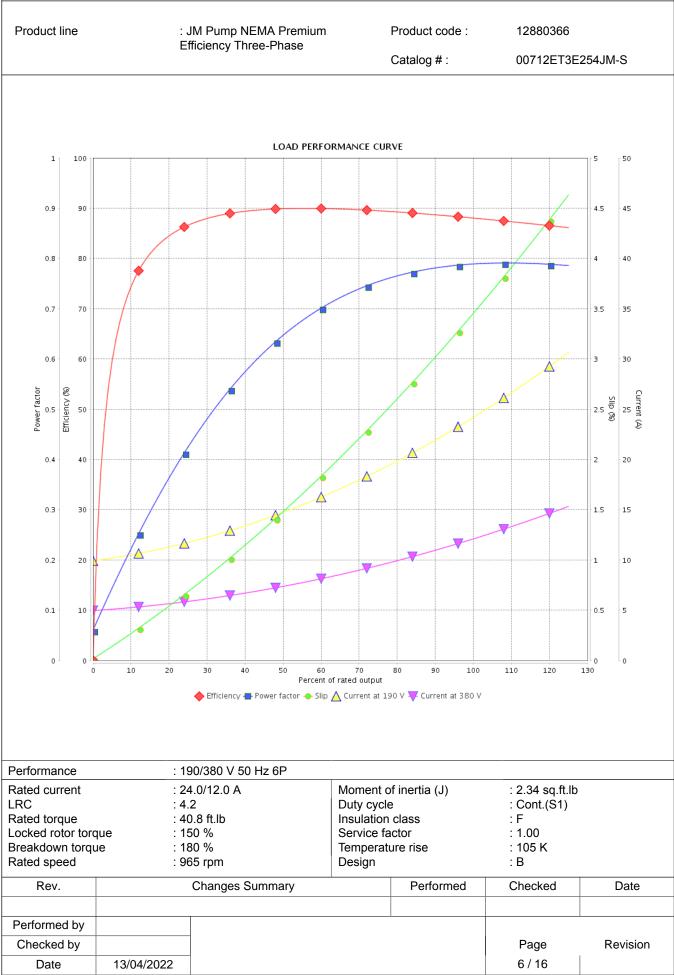
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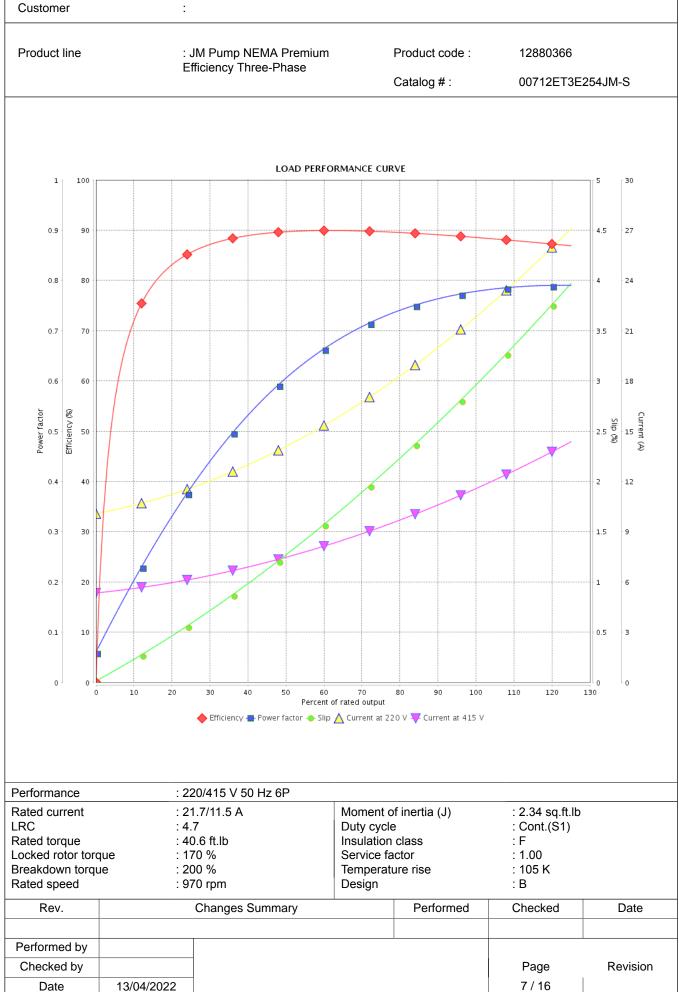


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THERMAL LIMIT CURVE

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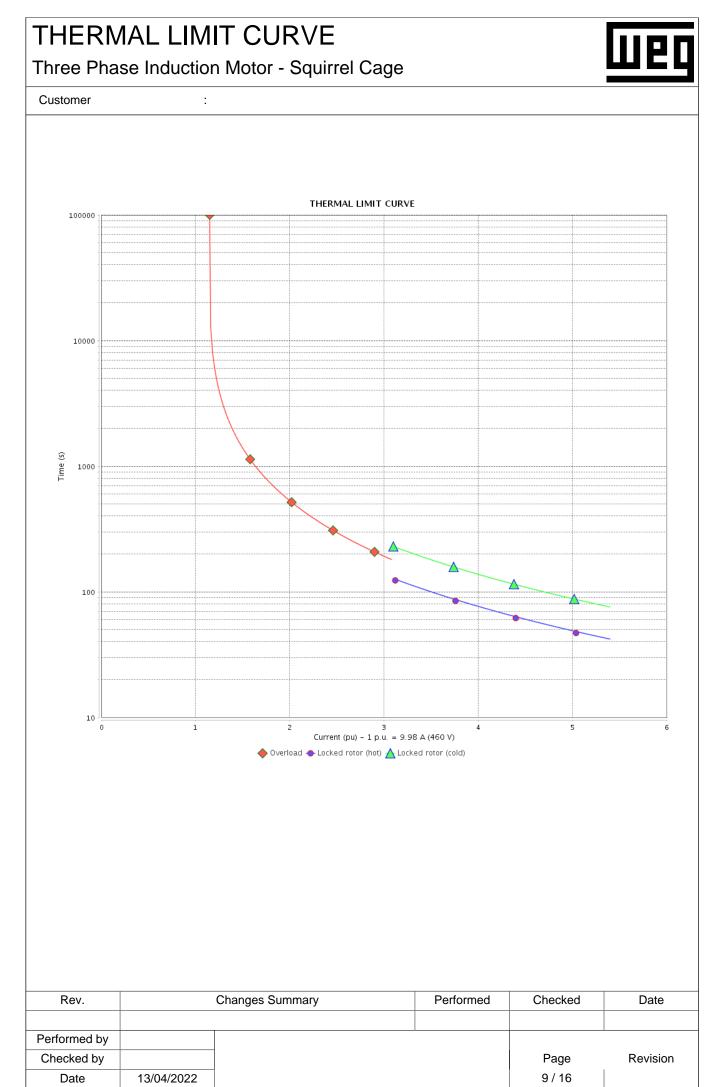


Customer

Product line	: JM Pump NEMA Pro	: JM Pump NEMA Premium Efficiency Three-Phase		12880366	12880366	
			Catalog # :	00712ET3E2	54JM-S	
Performance	: 230/460 V 60 Hz 6P		fin anti (I)			
Rated current LRC	: 20.0/9.98 A : 5.4	Moment of Duty cycle	of inertia (J) e	: 2.34 sq.ft.lb : Cont.(S1)		
Rated torque	: 33.5 ft.lb	Insulation	class	: F		
Locked rotor torque	: 200 %	Service fa		: 1.15		
Breakdown torque Rated speed	: 229 % : 1175 rpm	Temperat Design	ure rise	: 80 K : B		
	· · · · · · · · · · · · · · · · · · ·					
Heating constant						
Cooling constant	Charges Original			Chastrad	Data	
Rev.	Changes Summary	/	Performed	Checked	Date	
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Checked by				Page	Revision	
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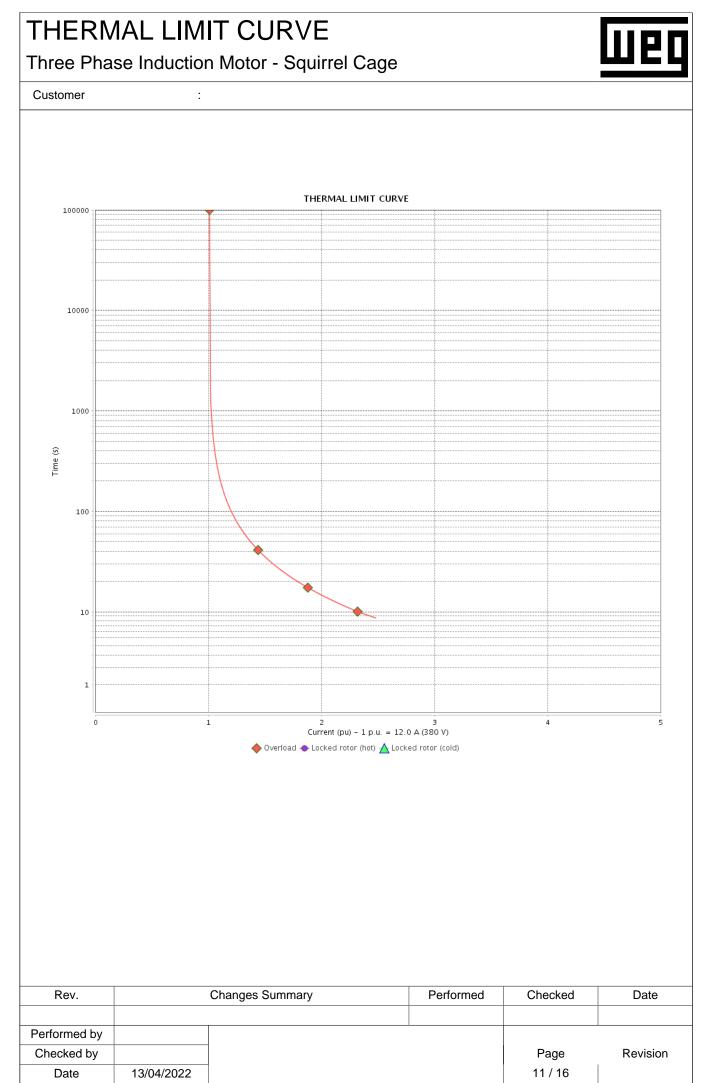


Customer

Product line	: . E'	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12880366	12880366	
		,,,,,,,,,,,,,,,,,,,		Catalog # :	00712ET3E2	54JM-S	
Performance		90/380 V 50 Hz 6P	NA	C the C (1)			
Rated current LRC	: 24 : 4.	4.0/12.0 A .2	Moment o Duty cycle	of inertia (J) e	: 2.34 sq.ft.lb : Cont.(S1)		
Rated torque		0.8 ft.lb	Insulation	class	: F		
Locked rotor torq		50 % 80 %	Service fa		: 1.00 : 105 K		
Breakdown torqu Rated speed		65 rpm	Temperatu Design	ure rise	: B		
Heating constant		-	-				
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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Performed by							
Checked by		1			Page	Revision	
Date	13/04/2022	-			10 / 16		

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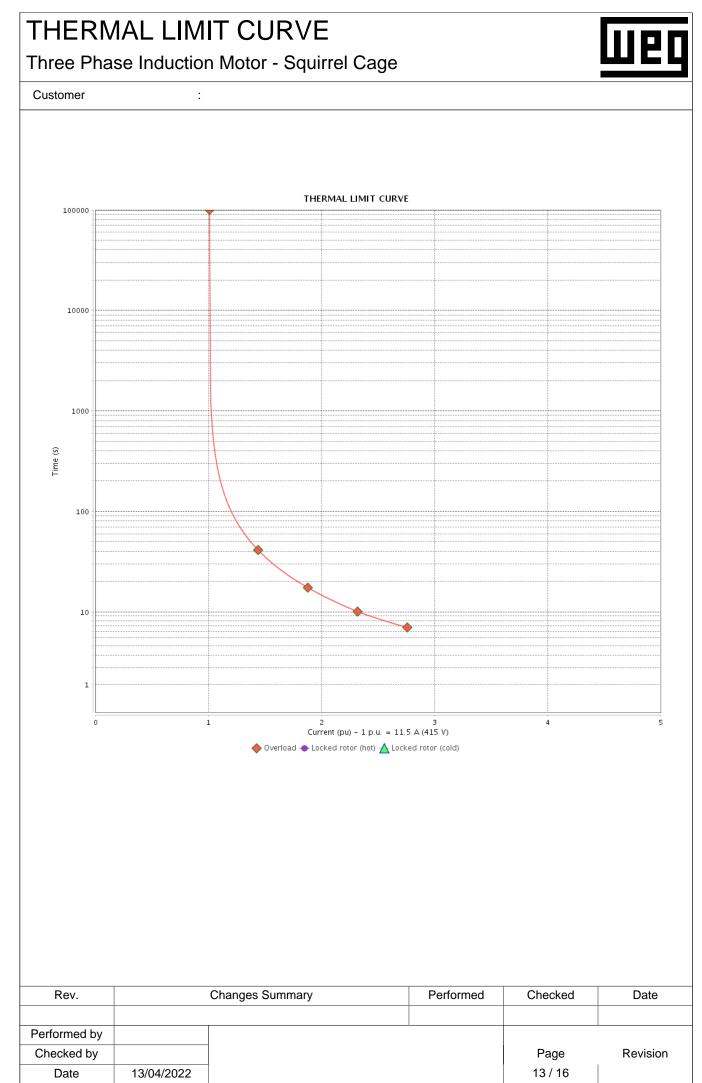
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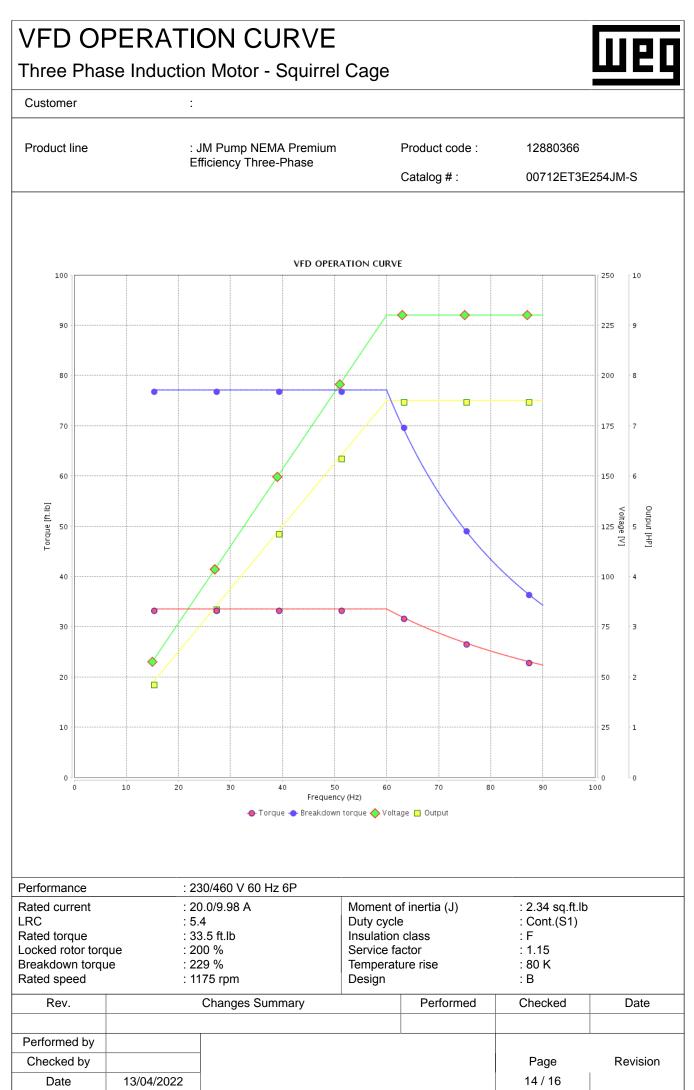
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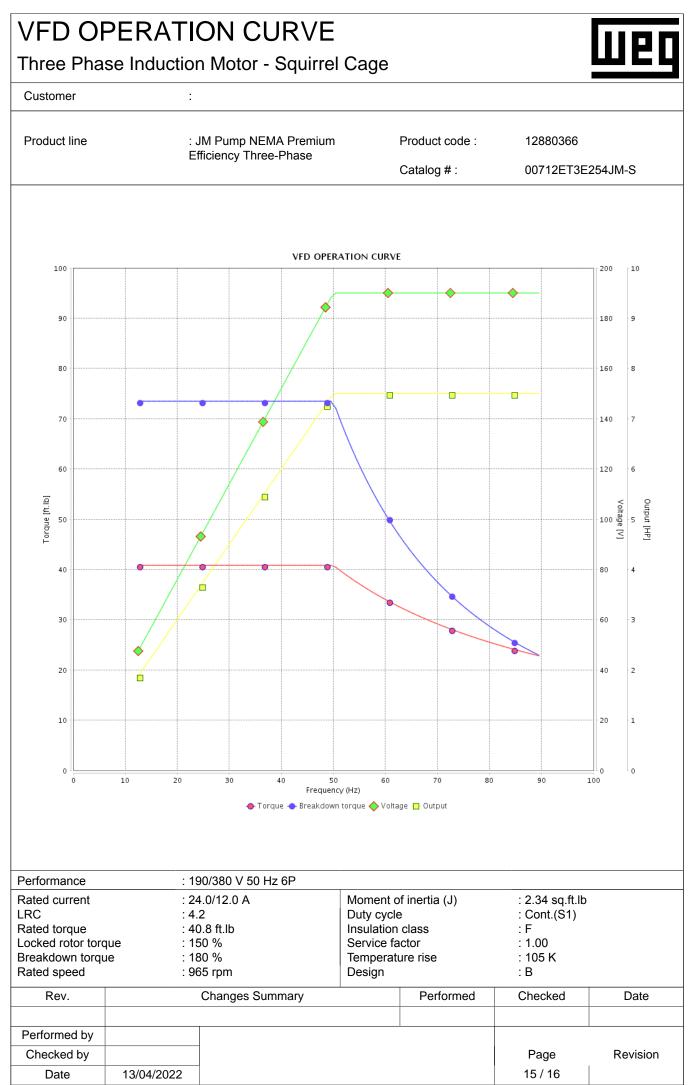
Product line	: . E1	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12880366	
	_			Catalog # :	00712ET3E2	54JM-S
Performance		20/415 V 50 Hz 6P	Managata	finantia (1)		
Rated current LRC	: 2' : 4.	1.7/11.5 A .7	Duty cycle	of inertia (J) e	: 2.34 sq.ft.lb : Cont.(S1)	
Rated torque		0.6 ft.lb	Insulation	class	: F	
Locked rotor toro Breakdown torqu		70 % 00 %	Service fa		: 1.00 : 105 K	
Rated speed		70 rpm	Design		: B	
Heating constant	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	13/04/2022				12/16	

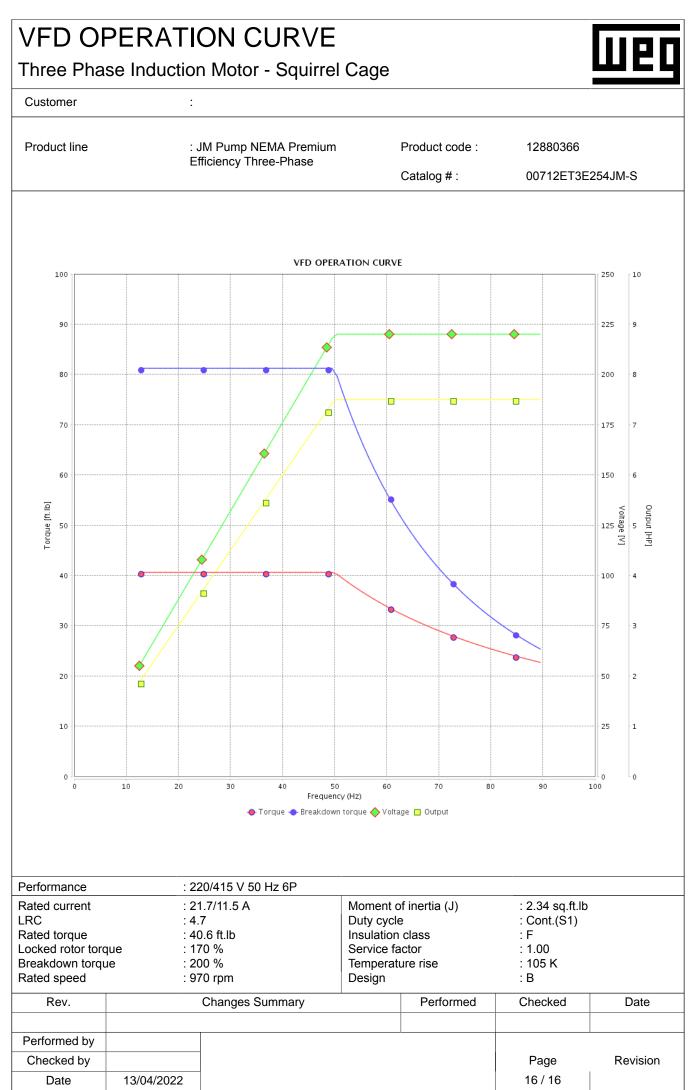
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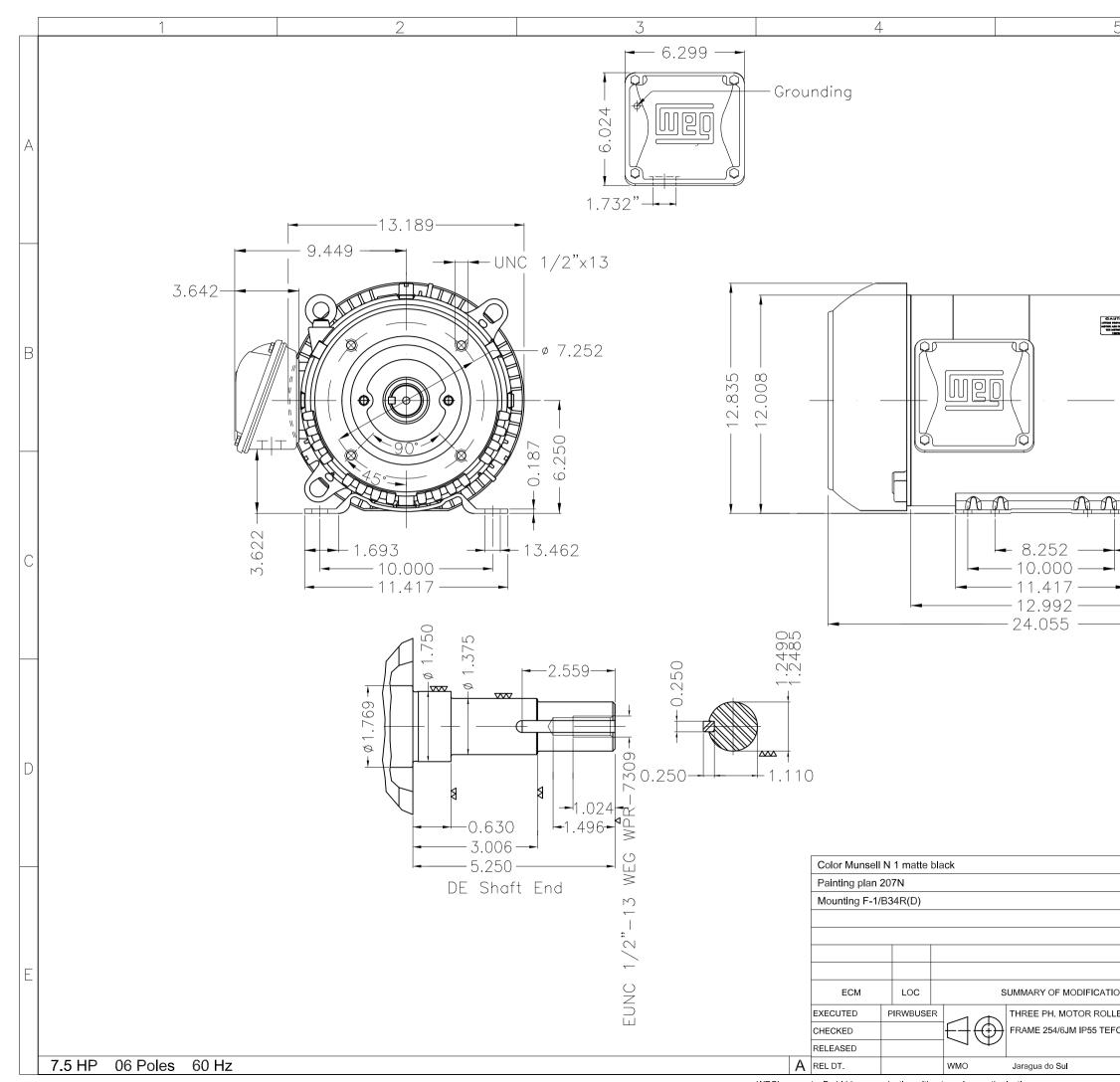


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	0.25			Ø 8.858		Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL CLOSE (FC		° "PREVI WDD │	TEW	Ше		A3
Produc	t Engineering		1 / 1			XME
Produc	t Engineering		· / ·			×

COULUSTED COUS FOR SAFE AREA Energy Verified	For 60Hz: Claas I, Zone 2, IIC Class I, DIV2, Gr. A,B.C.D. 73 DIV 2 Inverter Duty (571.00) CT 2:1VT 1000:1		24-0011.0 1.15 0.76 1.175 8.91.0%	FERNATE RATING: 7.5HP 50H2 190-220/380-415V SF1.40 24.0-21.3/12.0-11.3A 955FPM EFF 88.0% [E5 60034-1 For safe are-inverted rugh notor For 50H2 use on VPWM 1000:1 VT,4:1 CT 503-05-C3 [DDE 5205-2C3 [MOBIL POLYTER EM] 20000H	T1-BLU T2 T3-ORG T4 T5-BLK T6 T7-PNK T8 T7-PNK T8 T9-BNK RED T10-CURRY	REVERSE THE ROTATION recording the local service section of the local service section of the local service services and services services services services and services serv
	MADE IN MEXICO MAT: 12880366 CC029A W01.TEDICDXON MODEL 00712ET3E254JM-S 110CT3021 SIN:	3 Hz 60 254/6JM CONT. 1000 m.a.s.l	INS CL F AT 80K IP55 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ALTERNATE RATING: 7.5HP 50Hz 24.0-21.3/12.0-11.3A 965RPM For safe area-inverter duty motor For DE 6309-2-C3 DDE 6208-2-C3 M0	△ ↓	INTERCHANGE ANY TWO LINE WREES TO REVERSE THE ROTATION MUTHING: MARCH must be promited th accordance with local and national electrical codes to prevent earloats electrical and matching to a source before servicing unit. AVERTIGATEMENT: In model unit effect that a share the conforment arx codes feleratiques locatix that devine to the observed up grave. Deconnecter 1'alimentation areant l'entreden de la machine