DATA SHEET

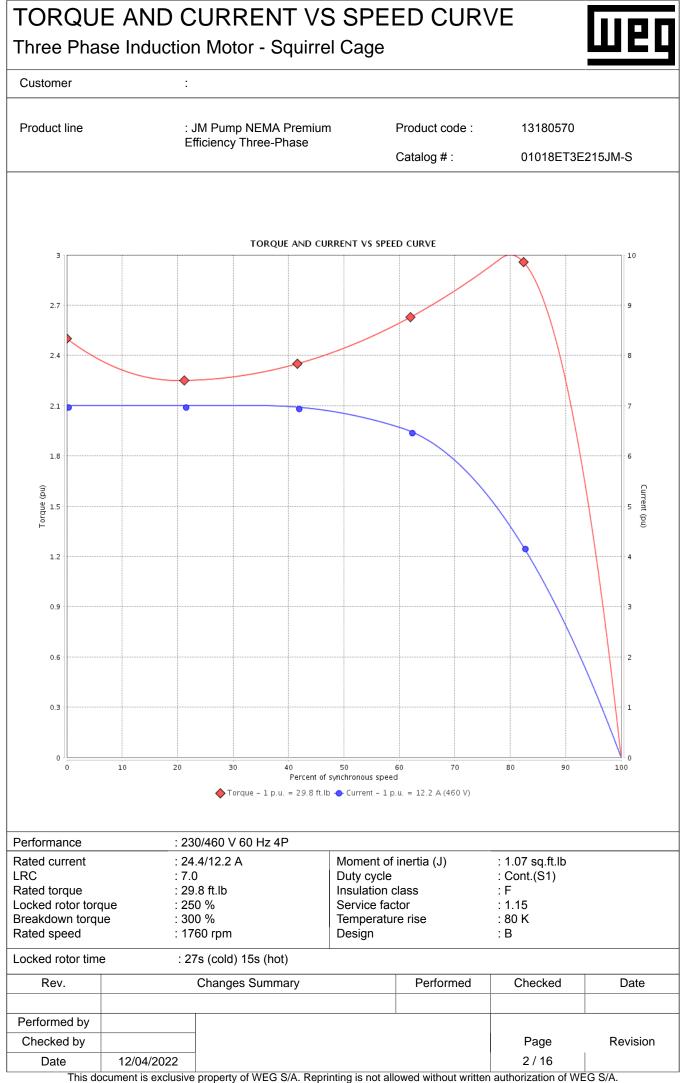
Three Phase Induction Motor - Squirrel Cage

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Customer

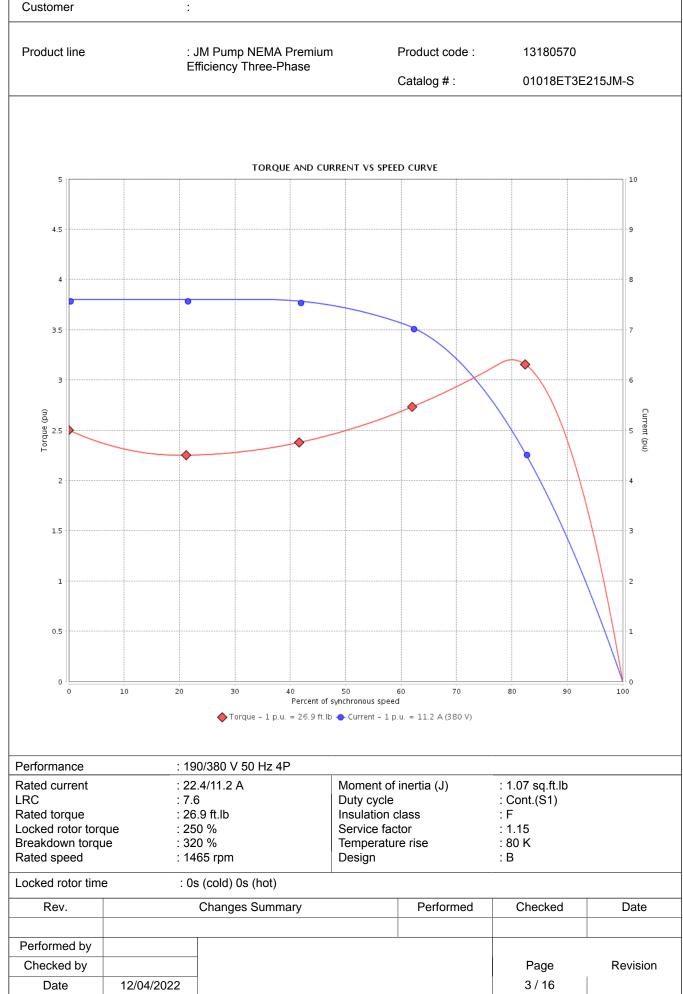
Product line		: JM Pump NEMA Premium	Product code :	13180570	
		Efficiency Three-Phase	Catalog # :	01018ET3E215JM-S	
Frame Insulation class Duty cycle Ambient temperature		: 213/5JM : F : Cont.(S1) : -20°C to +40°C	Cooling method Mounting Rotation ¹ Starting method	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line	
Altitude Protection degre Design		: 1000 m.a.s.l. : IP55 : B	Approx. weight ³ Moment of inertia (J)	: 141 lb : 1.07 sq.ft.lb	
Output [HP]		10	7.5	7.5	
Poles		4	4	4	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		24.4/12.2	22.4/11.2	20.8/11.0	
R. Amperes [A]		171/85.4	170/85.1	172/91.3	
.RC [A]		7.0x(Code H)	7.6x(Code J)	8.3x(Code K)	
No load current [A		11.1/5.54	10.9/5.46	11.3/5.97	
Rated speed [RPN	/]	1760	1465	1470	
Slip [%]		2.22	2.33	2.00	
Rated torque [ft.lb]		29.8	26.9	26.8	
ocked rotor torqu		250	250	290	
Breakdown torque	e [%]	300	320	360	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
ocked rotor time		27s (cold) 15s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
loise level ²		60.0 dB(A)	57.0 dB(A)	57.0 dB(A)	
	25%	90.2	90.4	89.3	
Efficiency (%)	50%	91.0	90.1	89.4	
Efficiency (%)	75%	91.0	90.7	90.5	
	100%	91.7	90.1	90.3	
	25%	0.41	0.38	0.34	
Dewer Fester	50%	0.67	0.64	0.59	
Power Factor	75%	0.78	0.76	0.73	
	100%	0.84	0.83	0.80	
Bearing type		Drive end Non drive end : 6209 ZZ 6206 ZZ	d Foundation loads Max. traction	: 474 lb	
Sealing		: V'Ring Without Bearing Sea	Max. compression	: 615 lb	
Lubrication interv Lubricant amoun		· · · · ·			
Lubricant type		: Mobil Polyrex EM			
Notes USABLE @208V	27.0A SF 1.0	00 SFA 27.0A			
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with to weight subjec ocess.	cel the previous one, which shaft end. olerance of +3dB(A). t to changes after		ased on tests with sinusoidal tolerances stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with to weight subjec ocess.	shaft end. blerance of +3dB(A).	power supply, subject to the		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with to weight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with to weight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA Checked Date	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with to weight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA	



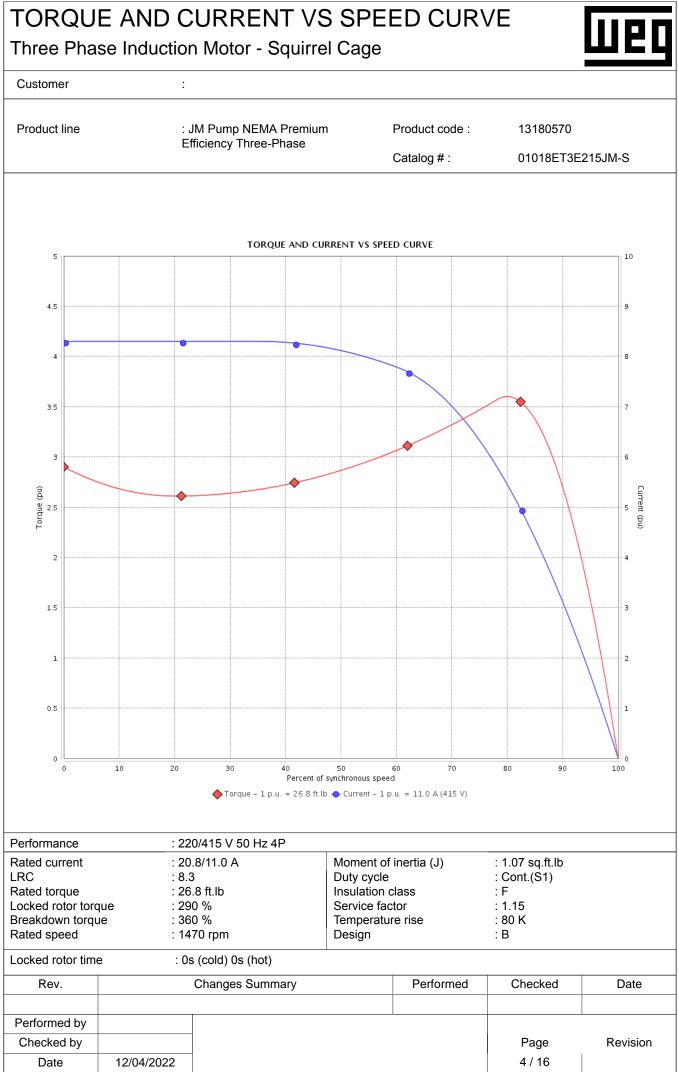
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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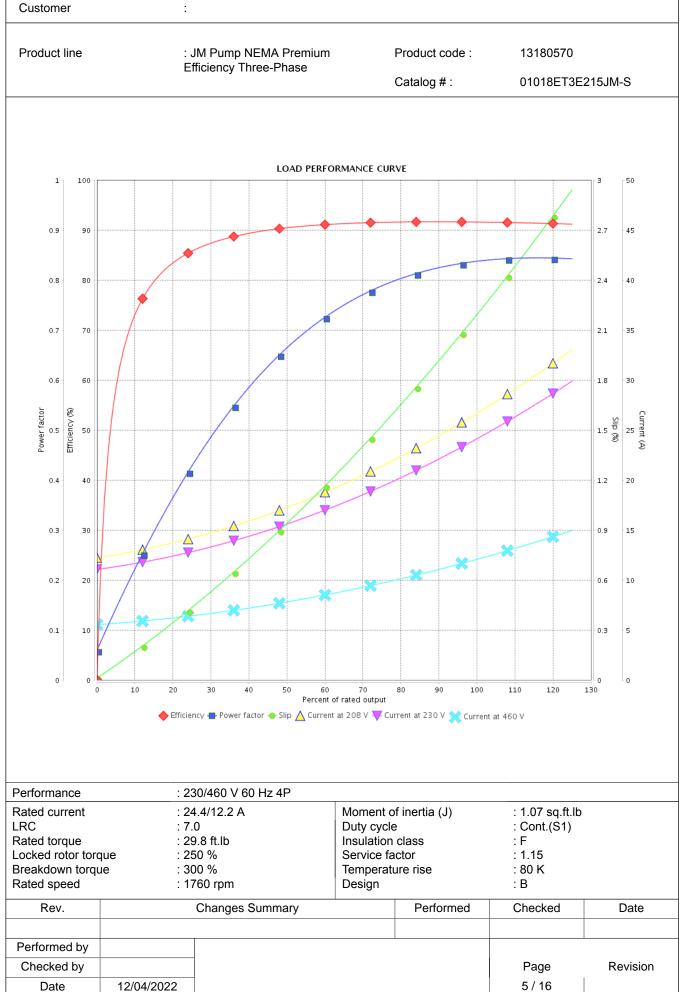
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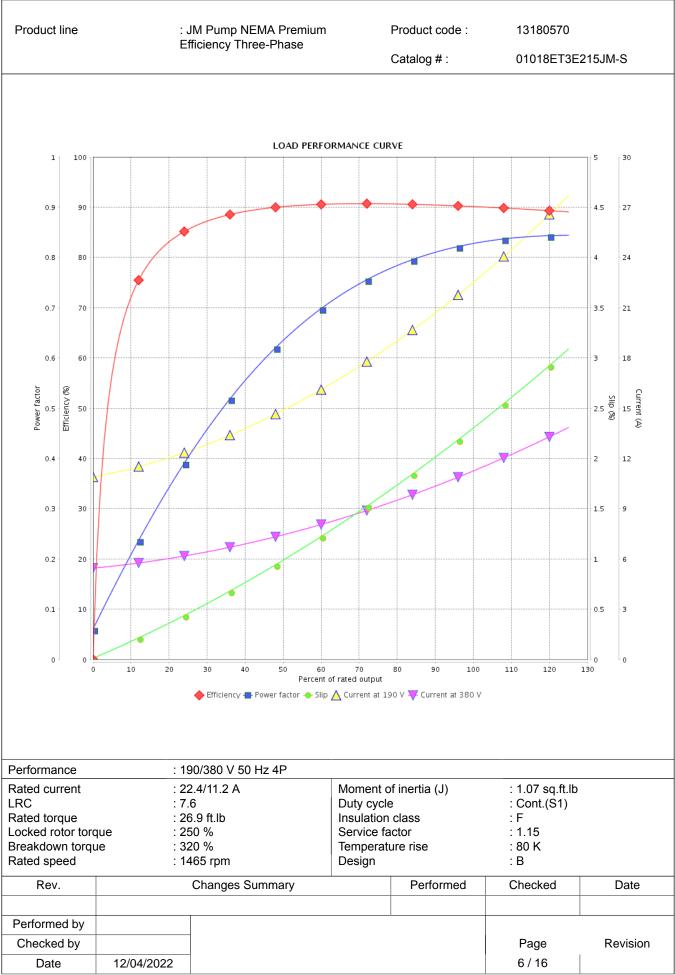
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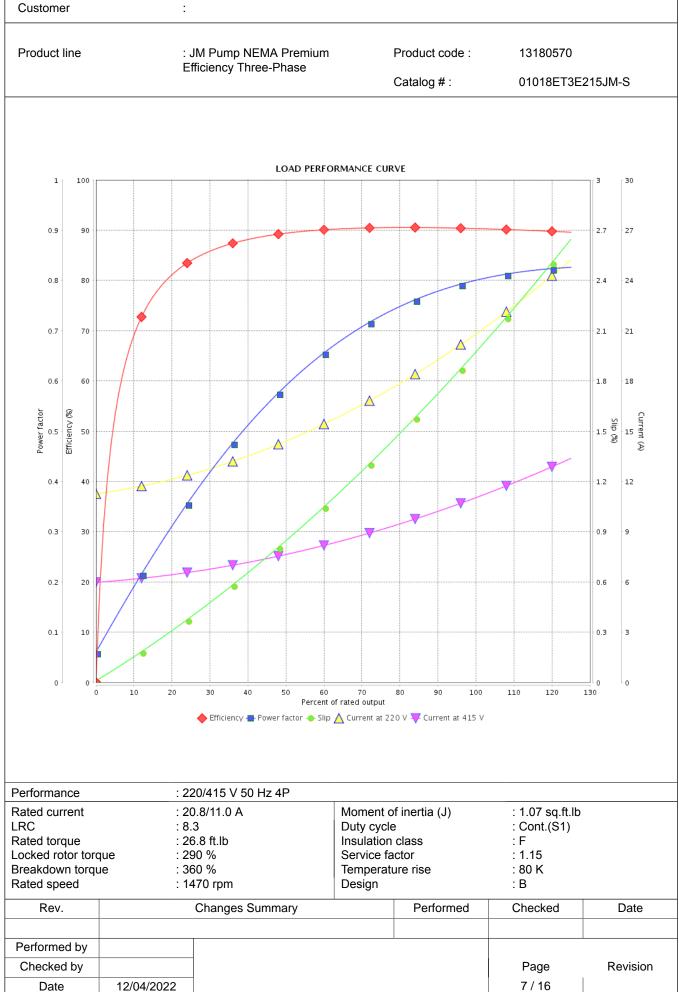
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THERMAL LIMIT CURVE

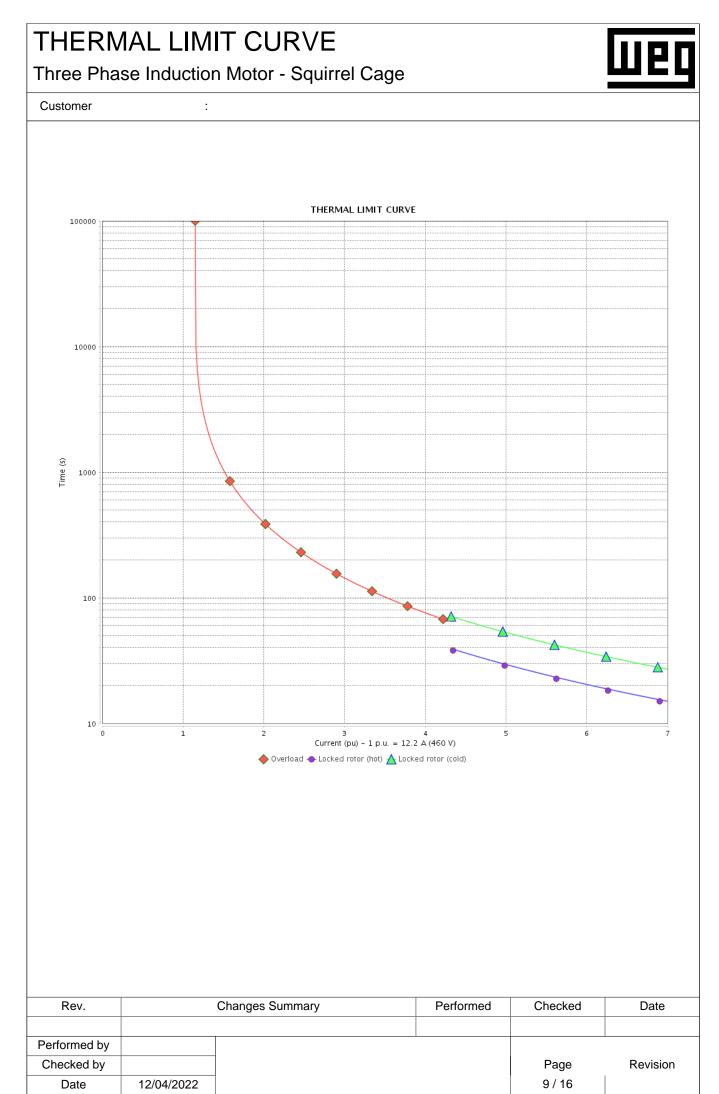
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: c Ef	JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	13180570 01018ET3E2	215JM-S
Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 7. : 29 que : 28 ue : 30	4.4/12.2 A 0 9.8 ft.lb 50 % 00 % 760 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constan Cooling constan	t					
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Date	12/04/2022				8 / 16	



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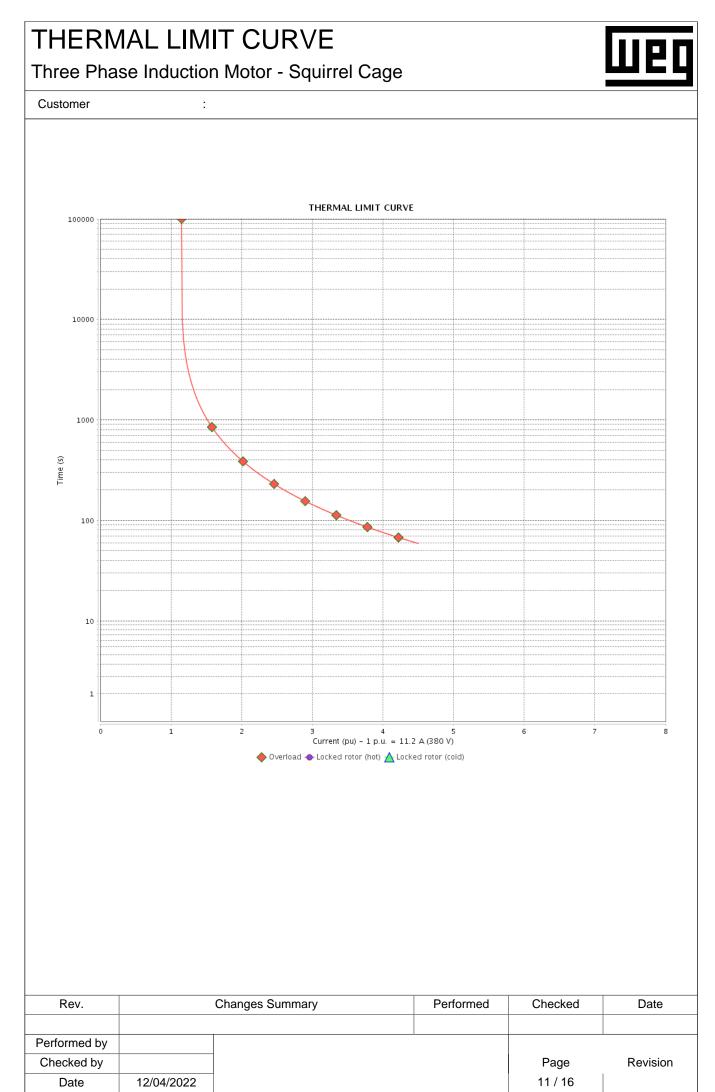
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: c Ef	JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	13180570 01018ET3E2	215JM-S
Performance	: 19	90/380 V 50 Hz 4P				
Rated current		2.4/11.2 A	Moment o	f inertia (J)	: 1.07 sq.ft.lb	
LRC Rated torque	: 7.	6 5.9 ft.lb	Duty cycle Insulation) class	: Cont.(S1) : F	
Locked rotor tor	que : 25	50 %	Service fa	ctor	: 1.15	
Breakdown torqu		20 %	Temperatu	ure rise	: 80 K	
Rated speed		465 rpm	Design		: B	
Heating constan						
Cooling constant		Changes Comme		Derferrer 1	Oh l l	Dette
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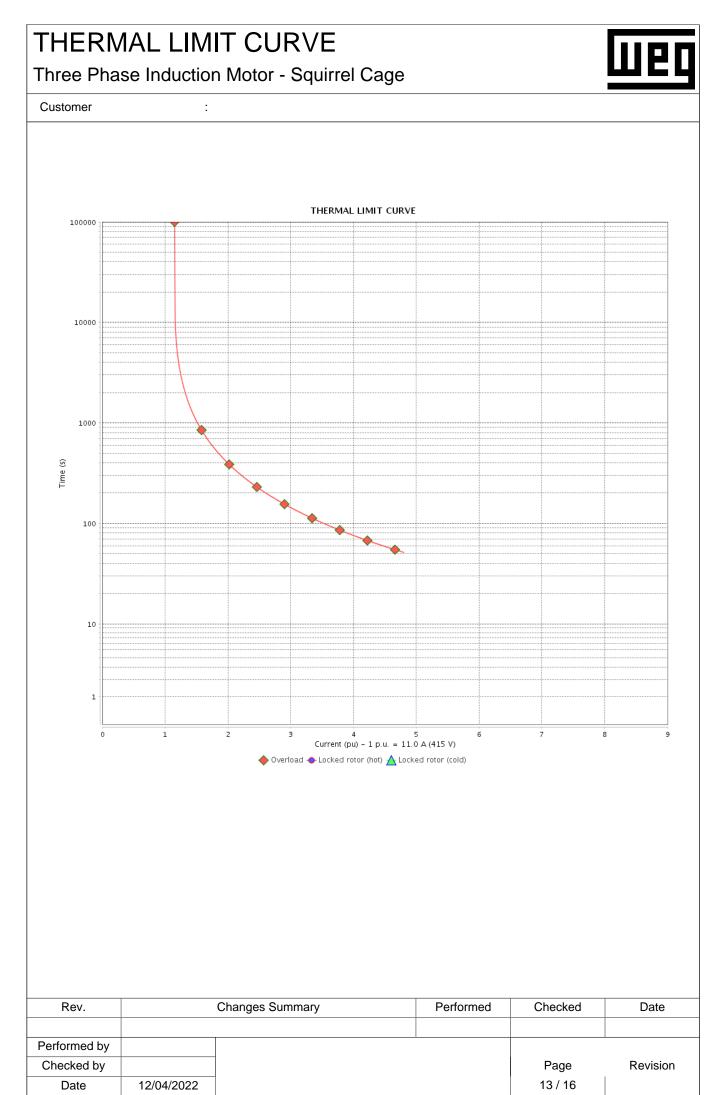
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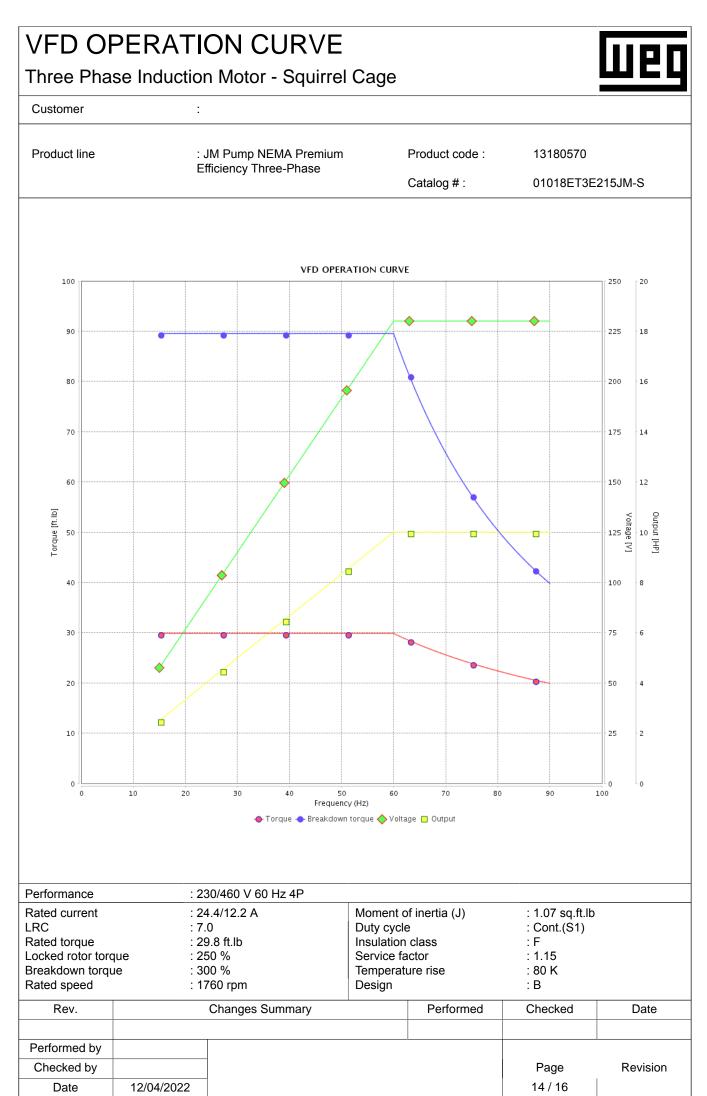
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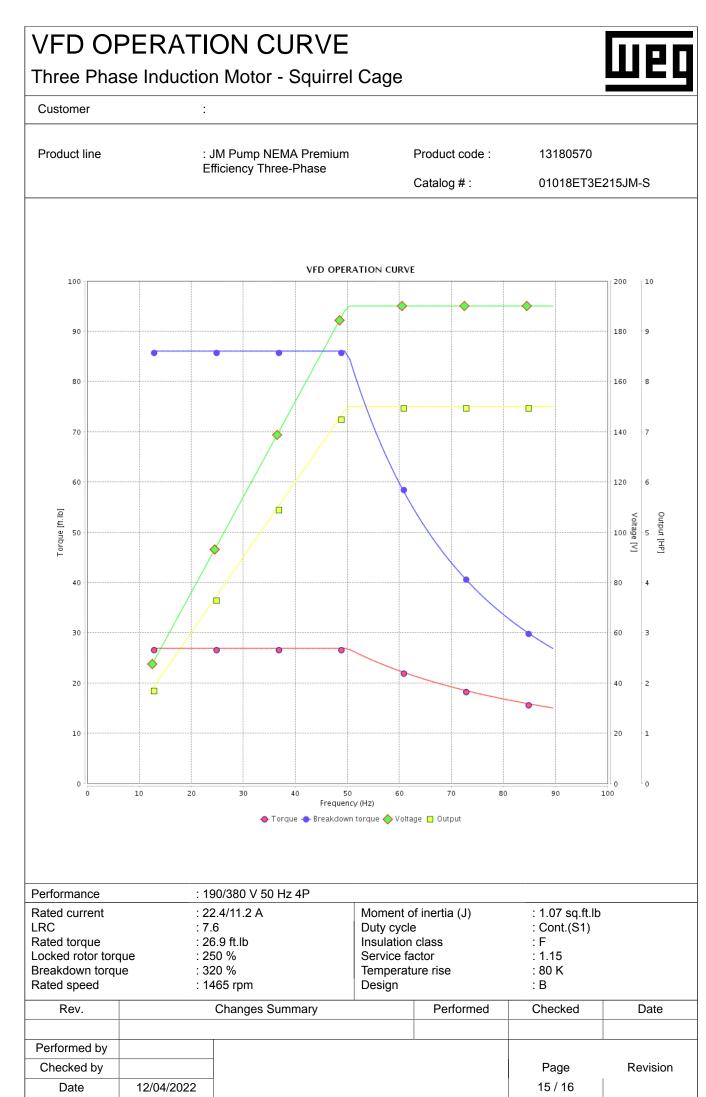


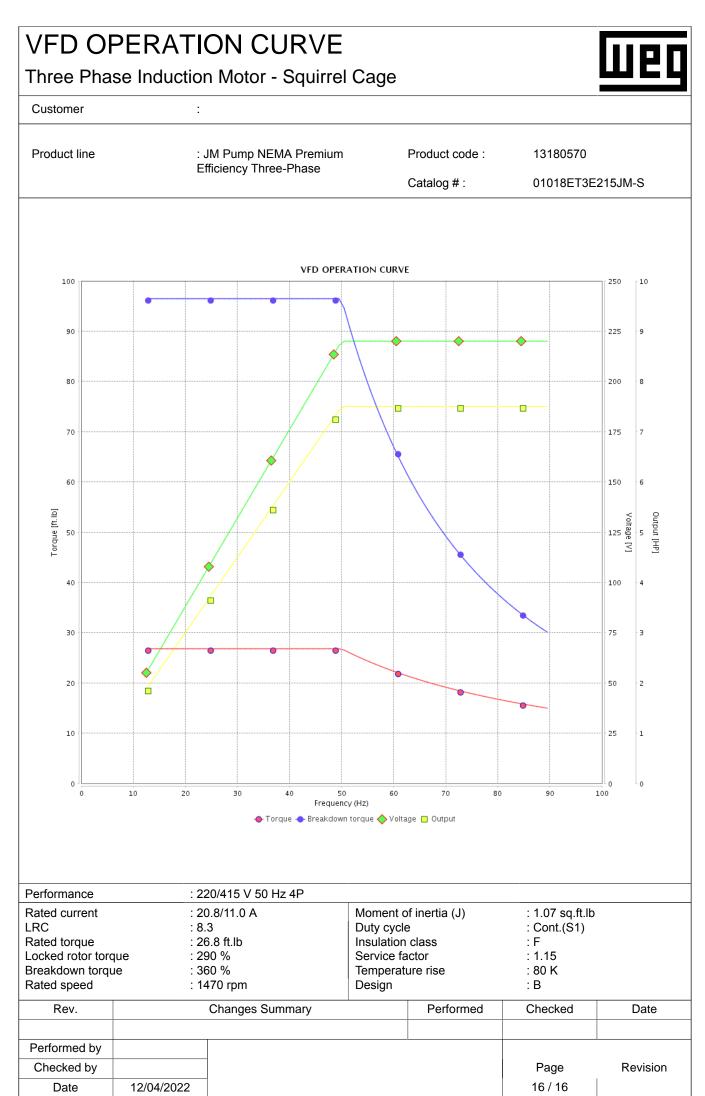
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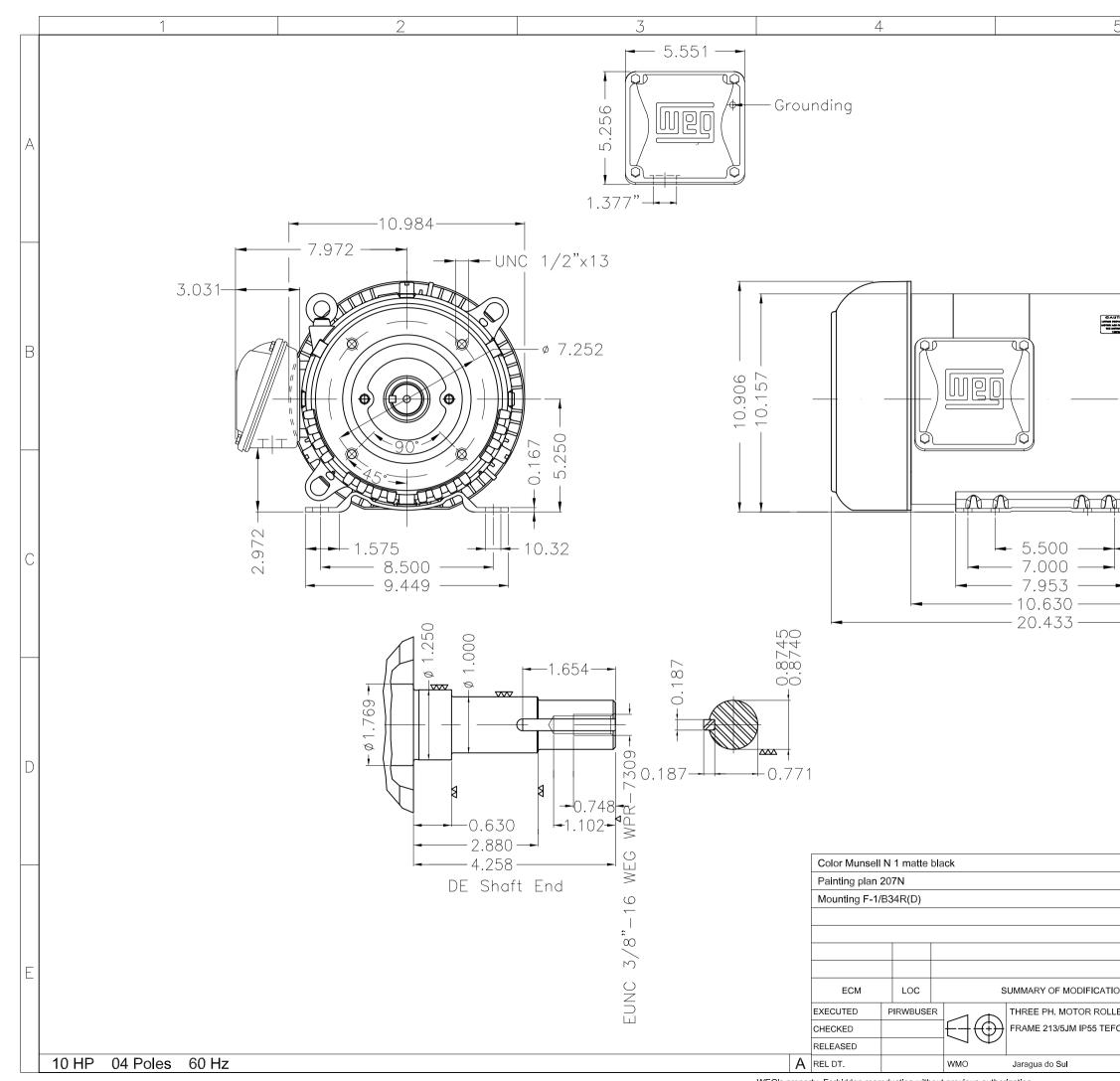
	p NEMA Premium Three-Phase	Product code :	13180570	
,		Catalog # :	01018ET3E2	215JM-S
Defermence : 000/445 \				
Performance : 220/415 \ Rated current : 20.8/11.0		of inortio (1)	· 1 07 og ft lb	
LRC : 8.3	Duty cycl	of inertia (J) e	: 1.07 sq.ft.lb : Cont.(S1)	
Rated torque : 26.8 ft.lb	Insulation	n class	: F	
Locked rotor torque : 290 % Breakdown torque : 360 %	Service fairs		: 1.15 : 80 K	
Rated speed : 1470 rpm			: B	
Heating constant				
Cooling constant				
	es Summary	Performed	Checked	Date
	es Summary	Performed	Checked	Date
Performed by		Performed	Checked	Date
Performed by Checked by	es Summary	Performed	Checked	Date











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	- 0.25			Ø 8.795		Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL CLOSE (FC		° "PREVI WDD │	ÊW	Ше		A3
Product	Engineering	SHEET	1 / 1			XME

COUSTED COUSTED COUSTED COUSTER	For 60H2: Class I, Zone 2, IIC Class I, DIV.2, Gr. A,B.C.D. 73 DIV 2 Inverter Duty (5F.100) CT 2:1/NT 1000:1	3 Hz 60 Hz 70 Hz 70 1335.JM KW 75 244172.3 7 200m.a.s.l V 230466 7 200m.a.s.l V 230466 10.00m.a.s.l V 230466 V 230466 10.00m.a.s.l N 24172.3 SF 15 10.00m.a.s.l N 16 N 16 10.00m.a.s.l N 16 N 16 10.00m.a.s.l N 16 N 16 10.00m.a.s.l N 16 N 17% 10.00m.a.s.l N 16 N 16 10.00m.a.s.l N 16 N 17% 10.00m.a.s.l N 17% N 17%	INTERCHANGE ANY THO LIVE WIRES TO REVERSE THE ROTATION And national electrical codes to prevent service sections shock. Disconnect power source before servicing unit. Arternize Researcher in and context in the prevent service conforment and codes to be service and context and the prevent conforment and codes to be service and context and the prevent sectors of secting and the prevent service and context and the prevent sectors of secting and the prevent service and the machine.
® For		HP 75 HP 75 HP 75 HP 75 HP 75 HP 76 HP 76 H	LES TO REVERS unded in accorr es to prevent s er source befor ar enteur doit éi aux et nationau ientation avant
) CC029A N ET3E215JM-S S/N:	Hz 60 Al 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INTERCHANCE ANY THO LINE WIRES TO REVERSE THE ROTATION WARNED. Macrimmethe perturbed in accordance with local and national electrical codes to prevent sections electrical shocks. Disconnect power source before servicing unit. AVETTISEEMENT, to mouse of the min at a trans- ment any codes identiques locater traditional of White to codes globertiques locater traditional of White to code grave. Deconnector Tallmentation areast frettrefor de la te
	MADE IN MÉXICO MAT: 13180570 CC029A W01.TE0IC0X0N MODEL 01018ET3E215JM-S 20APR2022 S/N:	PPH 3 IHz 60 DUTY CONT CONT DUTY CONT CONT ALT 000 m.a.st Interference ANNS CLF CONT CONT ANTERNATE RATING: CONT CONT COLTA CONT CONT CONT	INTERCHANGE ANY THOL LIVE WRES TO REVERSE THE ROTATION WIRKING. Macri must be grounded to accordance with local X- and national descrital codes to prover service bedrose exerting shocks. Disconnect power source before servicing unit. // ACTIVISEEMENT: the module of the mile all a terre conformment an xodes electriques locature tradforatura in diverse rout observed to descritique grave. Desonnecter i alimination svent instruden de la mi