DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	Product line : NEMA Premium Efficiency Three- Product Phase		Product code :		12408370		
		1 11030		С	atalog # :	06009XT3E405T	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 404/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 1230 lb : 38.3 sq.ft.lb	
Output [HP]		60		50	5	50	50
Poles		8		8	8	8	8
Frequency [Hz]		60		50		50	50
Rated voltage [V]		230/460		380		00	415
Rated current [A]		152/75.9		76.6		4.1	73.3
L. R. Amperes [A]		941/471		444		74	498
LRC [A]		6.2x(Code G)	5.8	Bx(Code G)		ode H)	6.8x(Code J)
No load current [A		68.0/34.0		34.0		7.0	40.0
Rated speed [RPN		885		735		35	740
Slip [%]		1.67		2.00	2.	00	1.33
Rated torque [ft.lb		356		357	3	57	355
Locked rotor torqu		180		170		90	210
Breakdown torque	e [%]	220		210 1.00		40	260
Service factor		1.15	1.15			00	1.00
Temperature rise		80 K	80 K 8		80 K 80		80 K
Locked rotor time		45s (cold) 25s (hot)			ot) 30s (cold)) 17s (hot)	30s (cold) 17s (hot)
Noise level ²		62.0 dB(A)		0.0 dB(A)	60.0	dB(A)	60.0 dB(A)
	25%	92.2	92.9		91	1.5	90.2
Efficiency (0/)	50%	92.4		92.4	91	1.7	91.0
Efficiency (%)	75%	93.0		92.4		2.4	91.7
	100%	93.0		91.7		2.4	92.4
	25%	0.39		0.40	0.	36	0.33
Dowor Easter	50%	0.65	0.66			61	0.57
Power Factor	75%	0.75		0.76		72	0.69
	100%	0.80		0.80	0.	78	0.76
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type		: 6217 C3 63 : Oil Seal Lip : 16602 h 17	353 h 27 g	C3 Max. traction : 2151 lb Seal Max. compression : 3382 lb 3 h 9			
Notes USABLE @208V	′ 168A SF 1.0	00 SFA 168A		1			
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	icel the previous one, wi shaft end. olerance of +3dB(A). t to changes after	hich				ts with sinusoidal stipulated in NEMA
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Performed by							
Checked by	10/04/000	2				Page 1 / 22	Revision
Date 12/04/2022							

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Thermal protection					
ID	Application	Туре	Quantity		emperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	5 °C
Rev.	Chan	ges Summary	Performed	Checked	Date
rformed by					

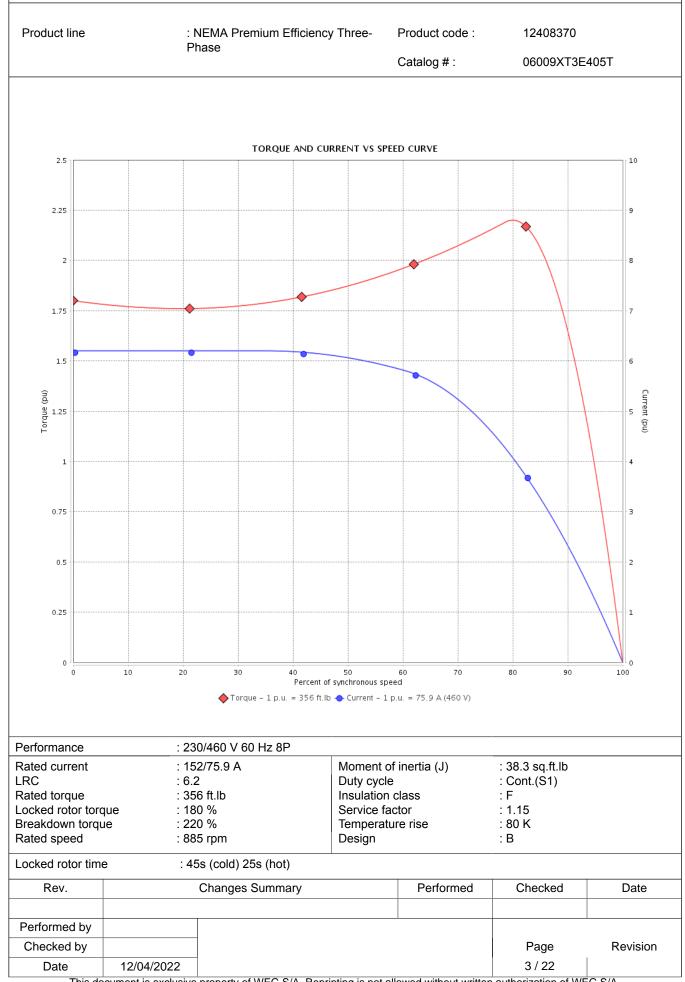
TORQUE AND CURRENT VS SPEED CURVE

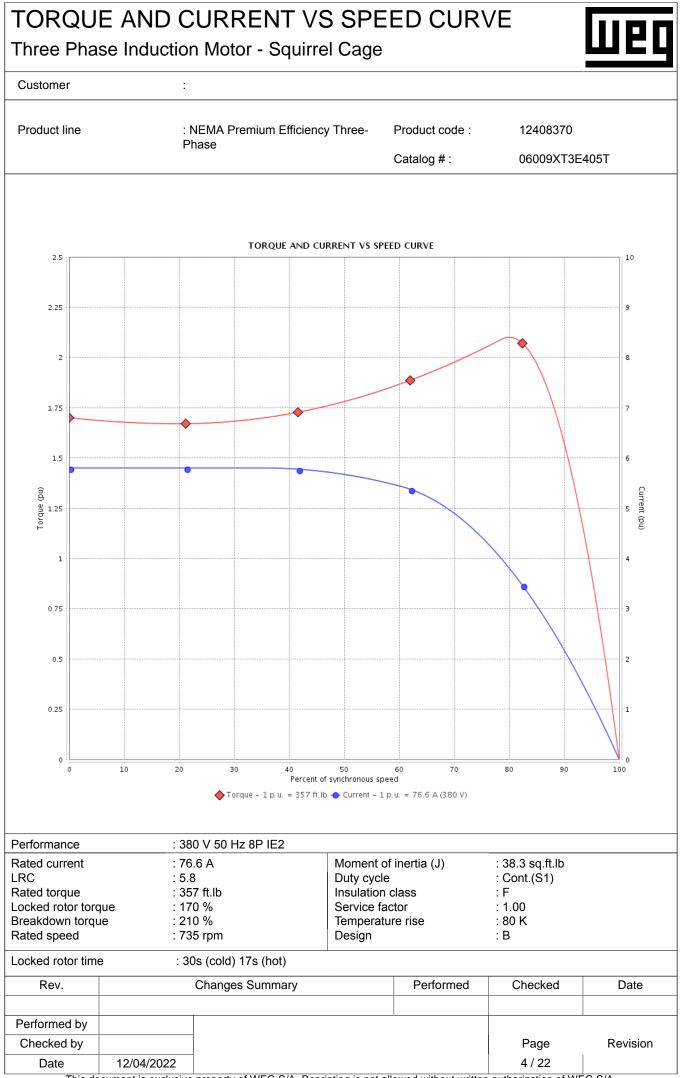
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Customer





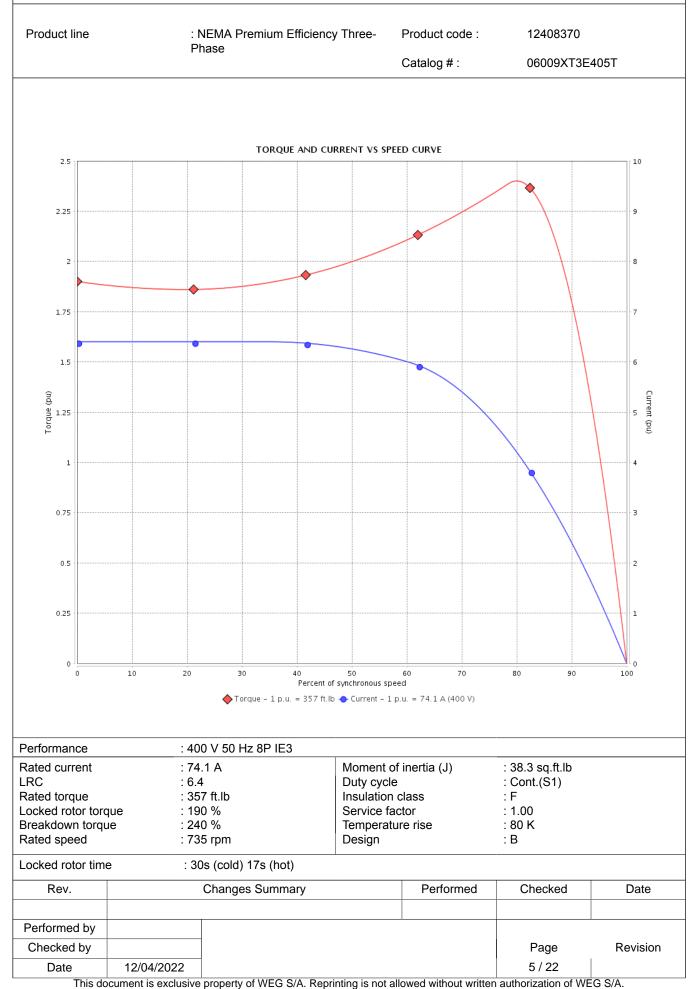
TORQUE AND CURRENT VS SPEED CURVE

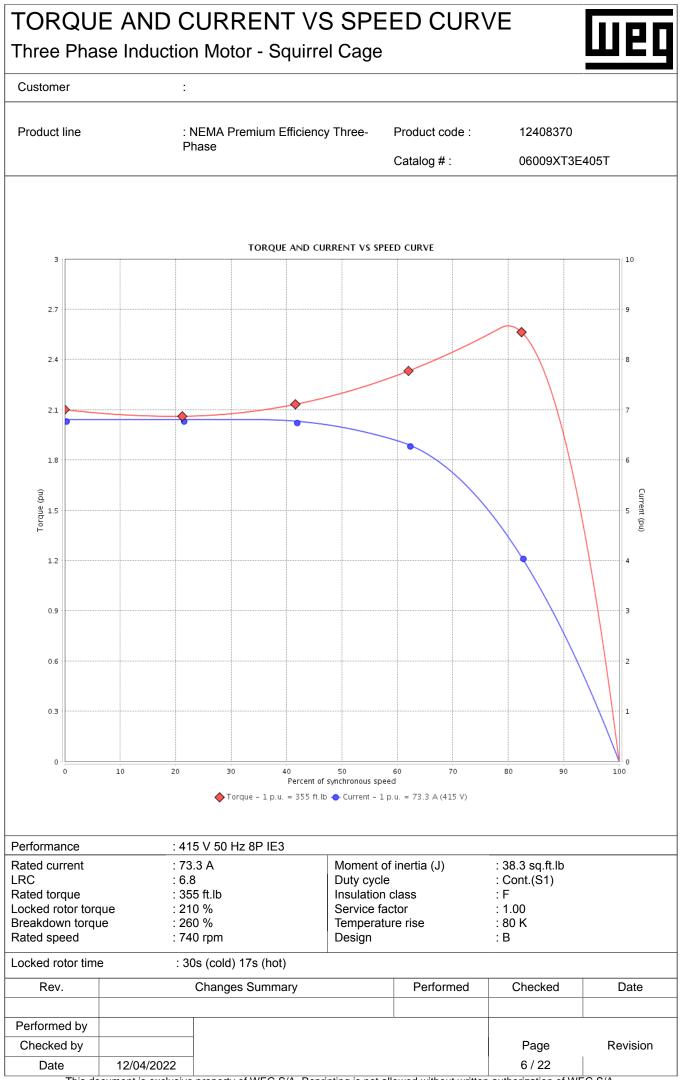
Three Phase Induction Motor - Squirrel Cage

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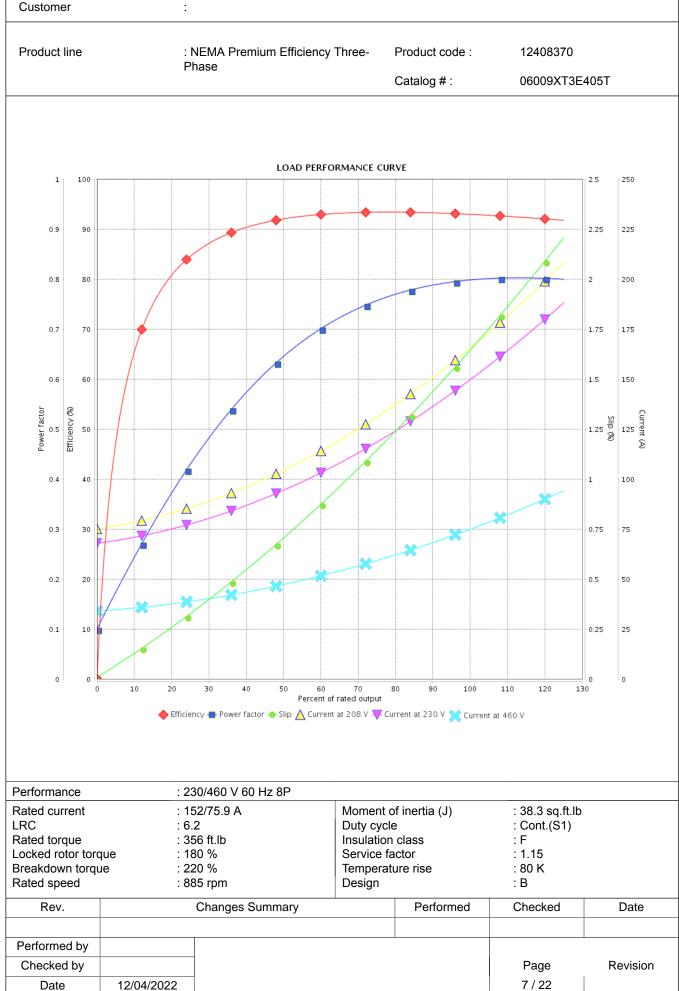






Three Phase Induction Motor - Squirrel Cage

Customer



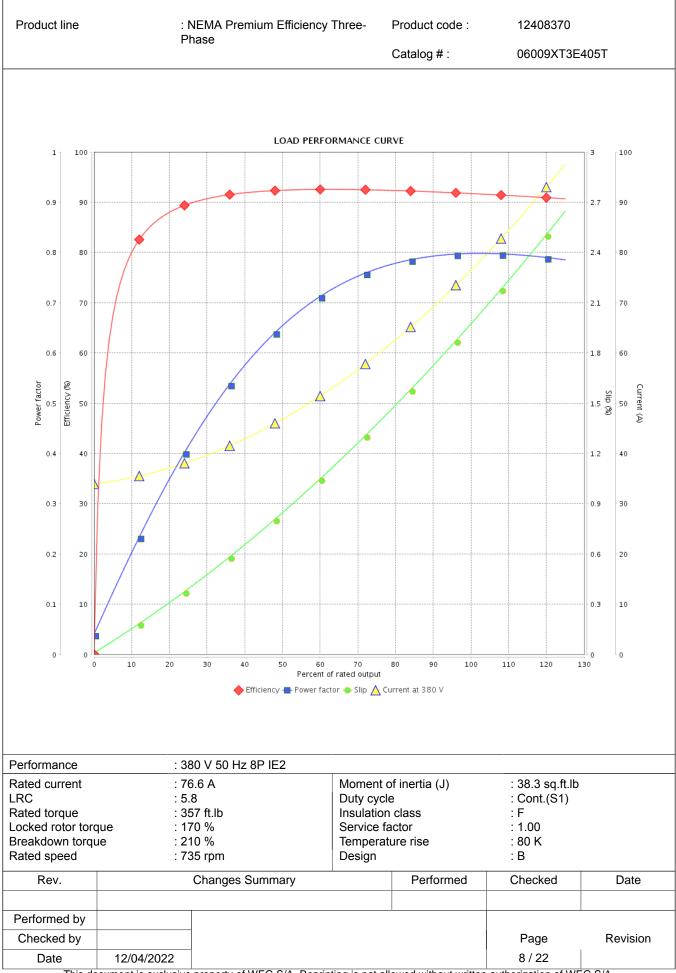
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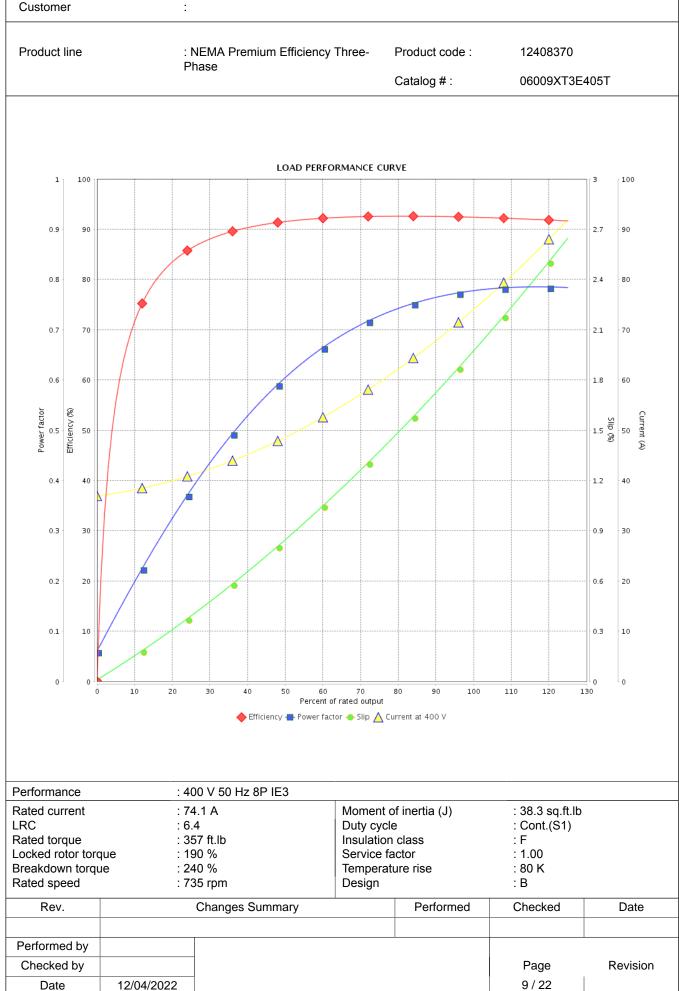


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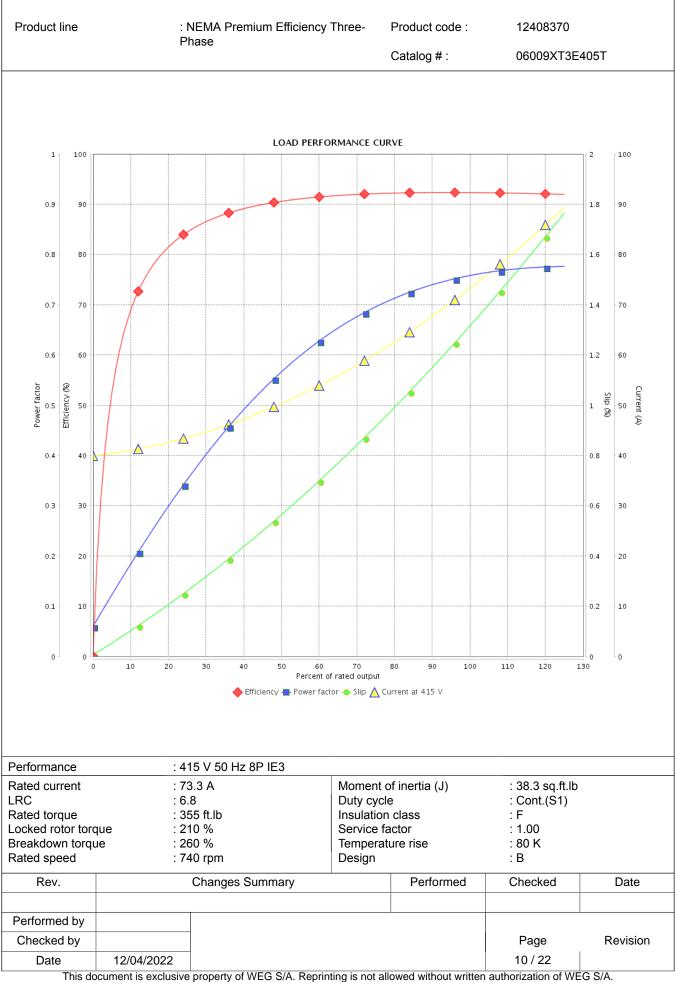
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Customer



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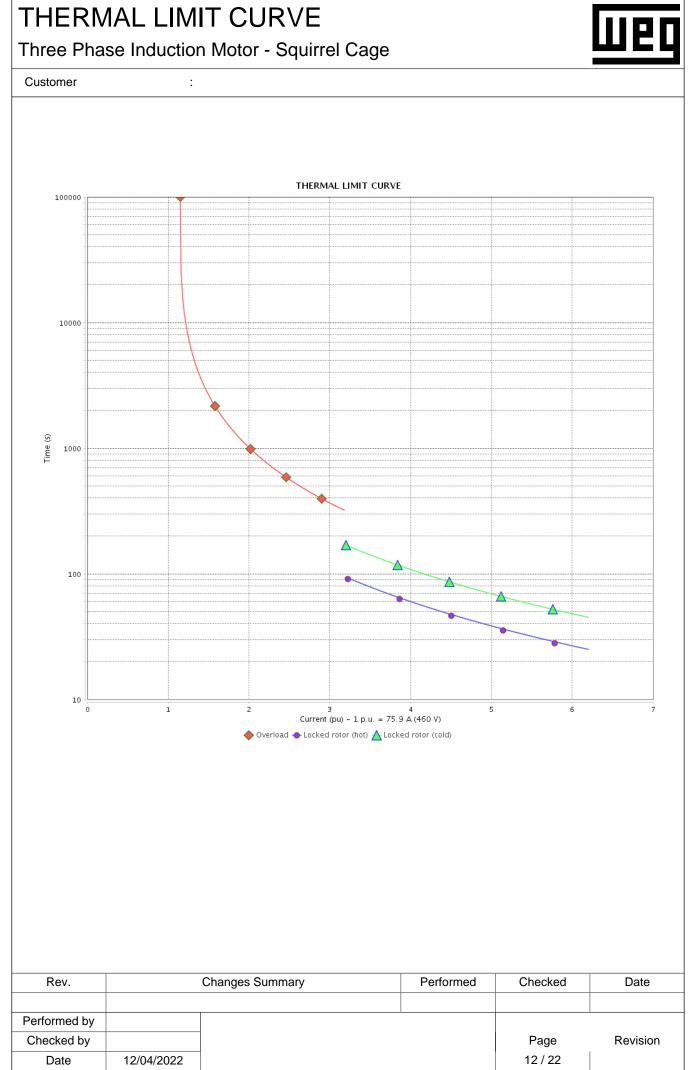
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	12408370
	Phase	Catalog # :	06009XT3E405T

Шед

Performance	: 23	30/460 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 3 jue : 1 ie : 2	52/75.9 A .2 56 ft.lb 80 % 20 % 85 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 38.3 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	:					
Cooling constant						
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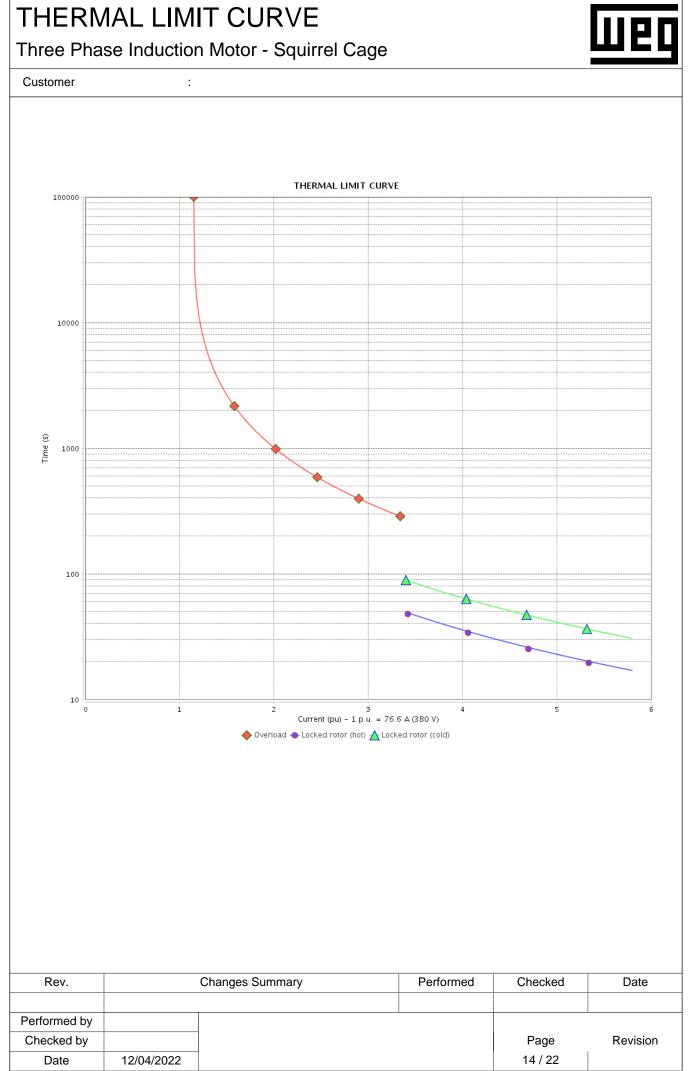
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	12408370
	Phase	Catalog # :	06009XT3E405T

Шед

Performance	: 38	30 V 50 Hz 8P IE2				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 5. : 35 jue : 17 ie : 21	5.6 A 8 57 ft.lb 70 % 10 % 35 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 38.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant						
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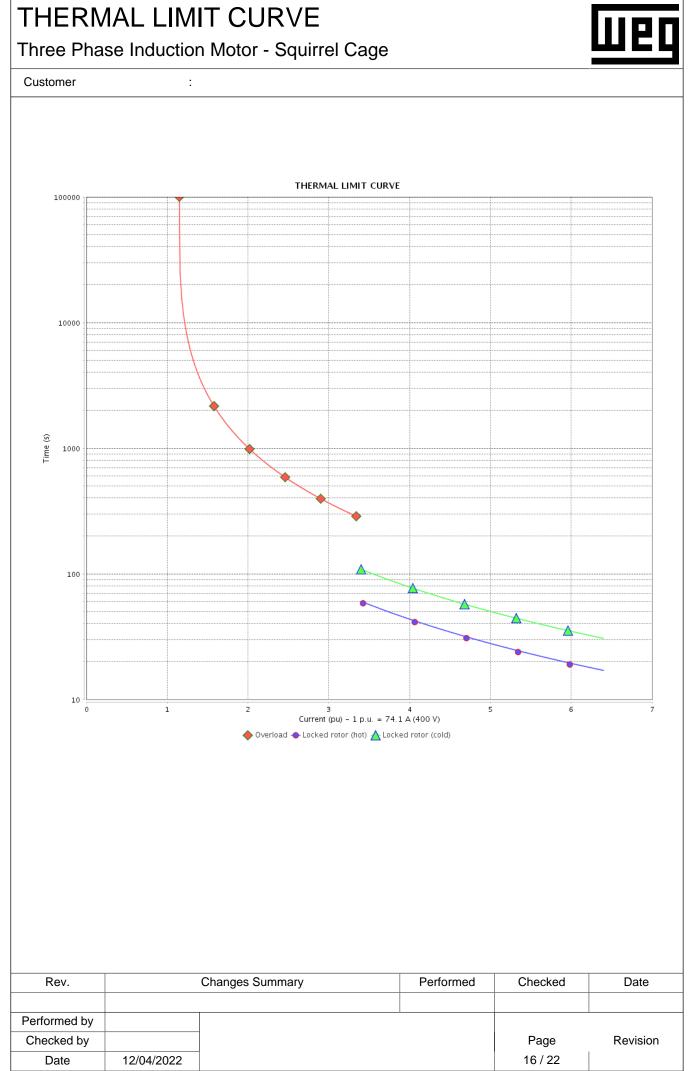
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	12408370
	Phase	Catalog # :	06009XT3E405T

Шед

Performance	: 40	00 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6. : 35 jue : 19 ie : 24	4.1 A 4 57 ft.lb 90 % 40 % 35 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 38.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant						
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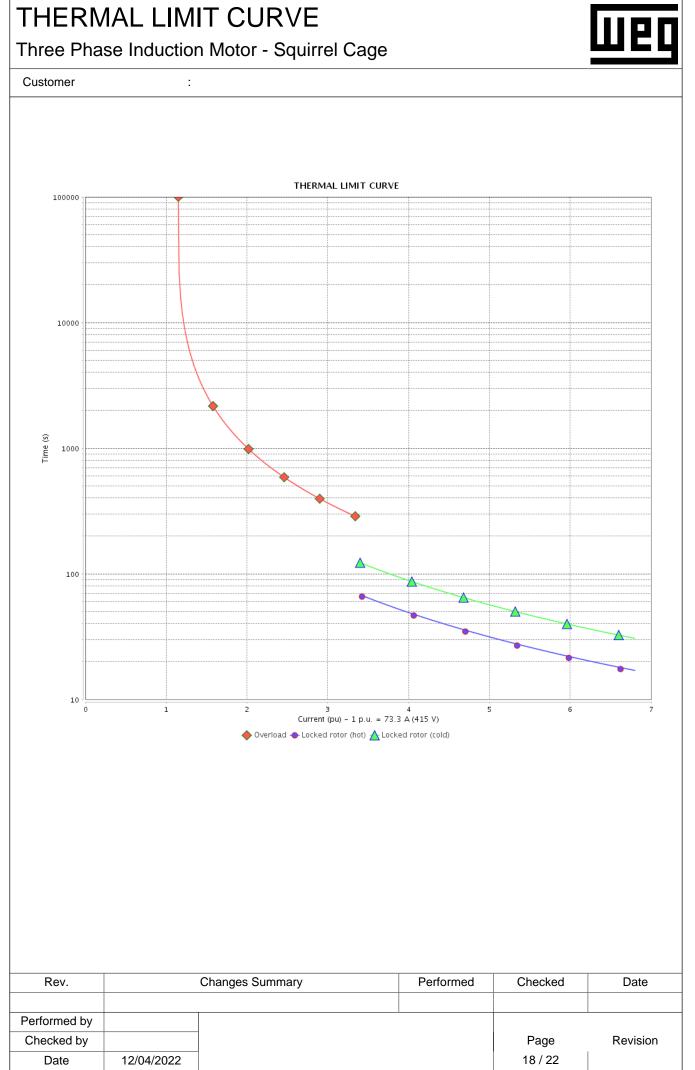
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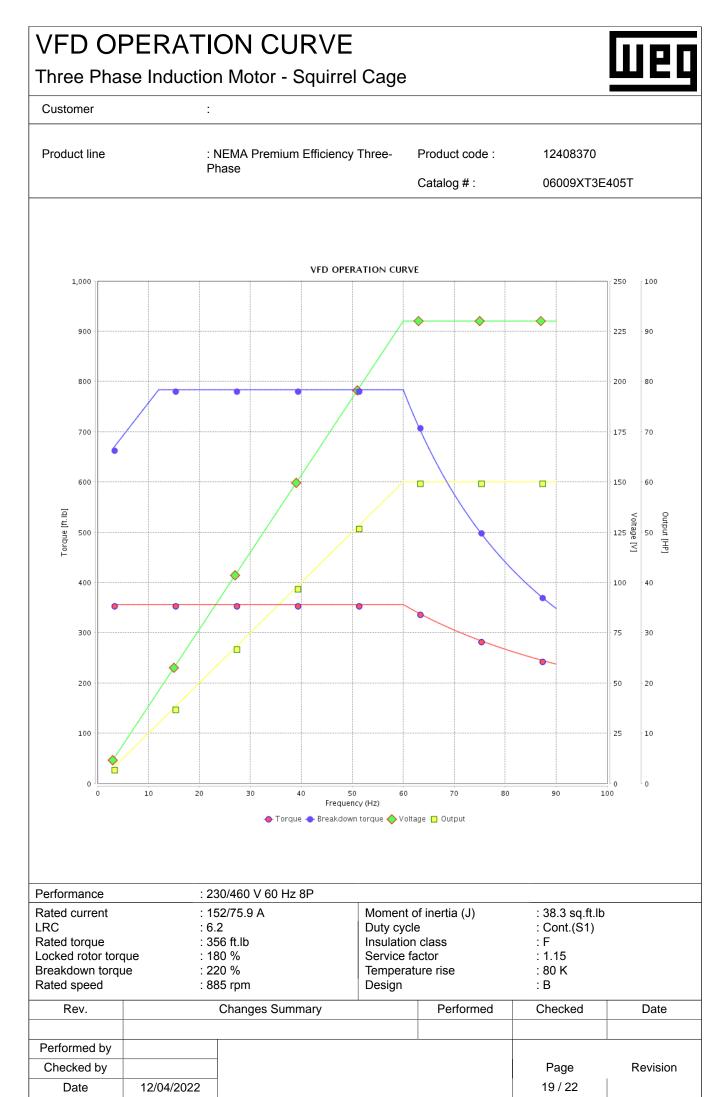
Product line	: NEMA Premium Efficiency Three-	Product code :	12408370
	Phase	Catalog # :	06009XT3E405T

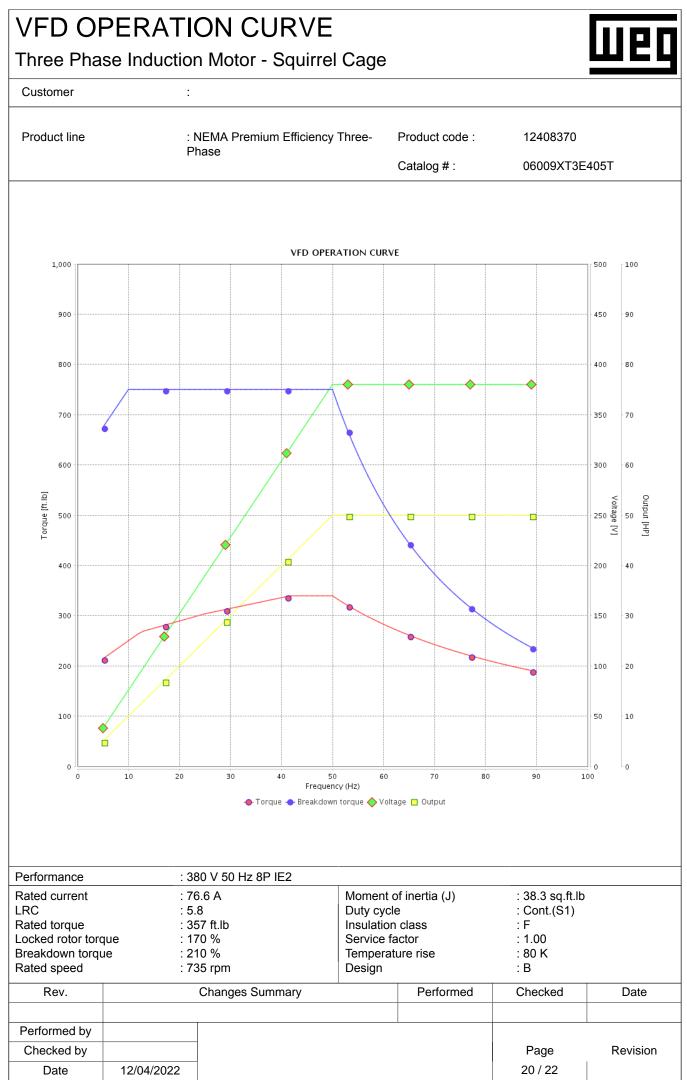
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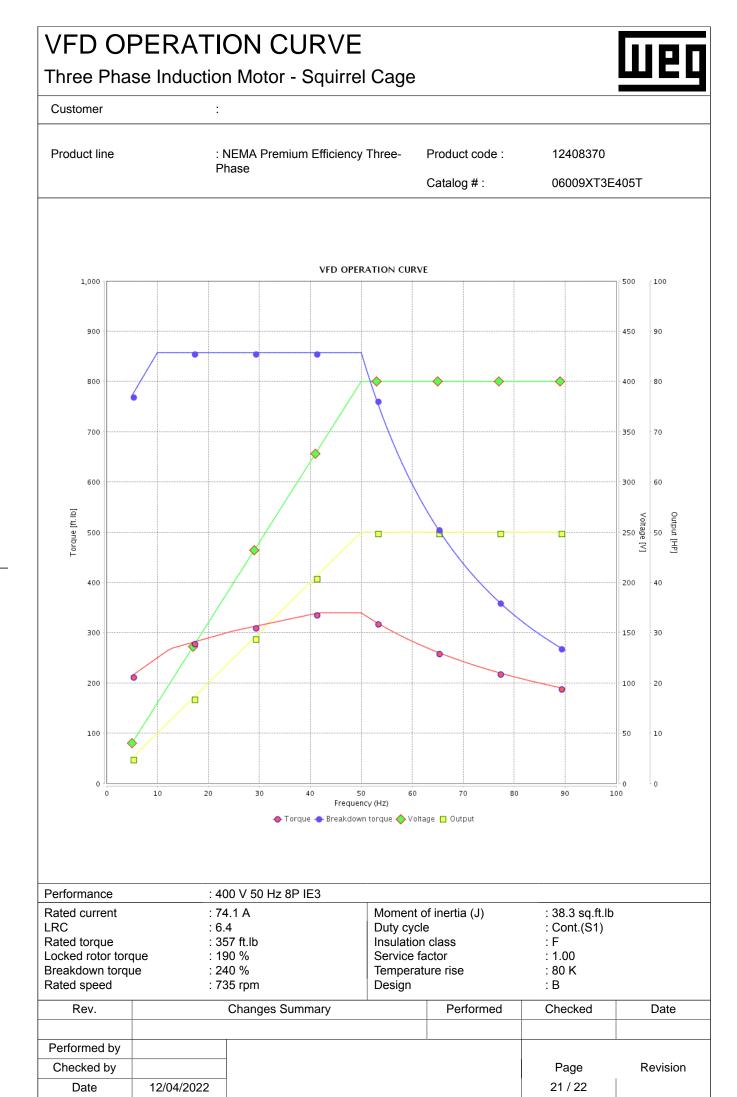
Performance	: 4	15 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 3 jue : 2 ie : 2	3.3 A .8 55 ft.lb 10 % 60 % 40 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 38.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
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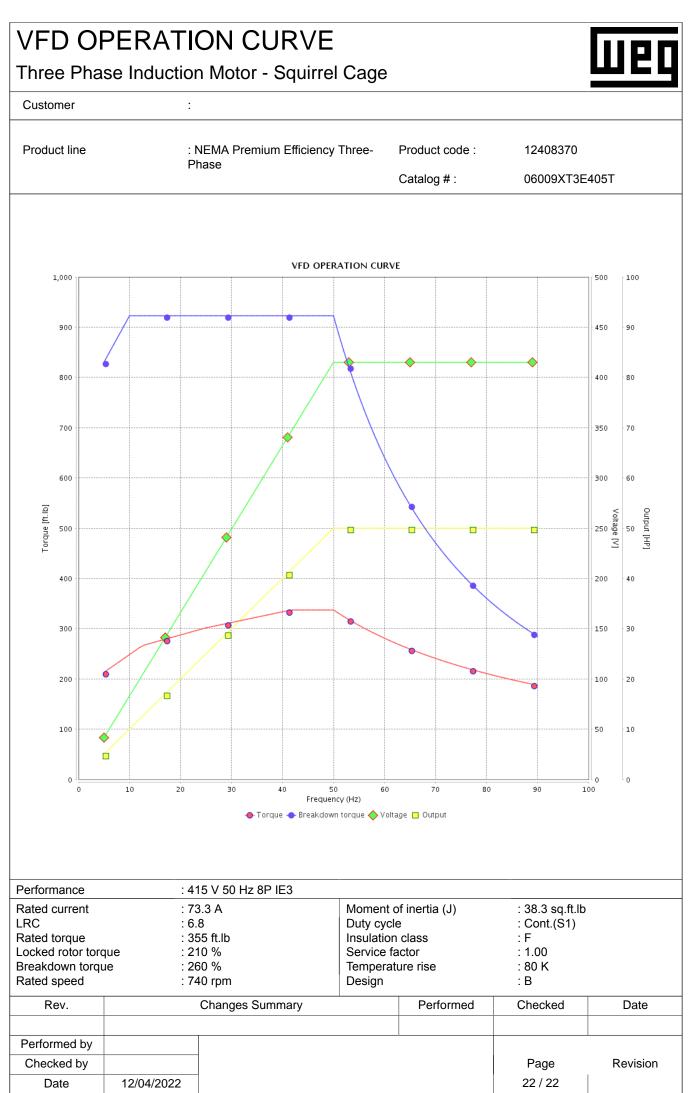


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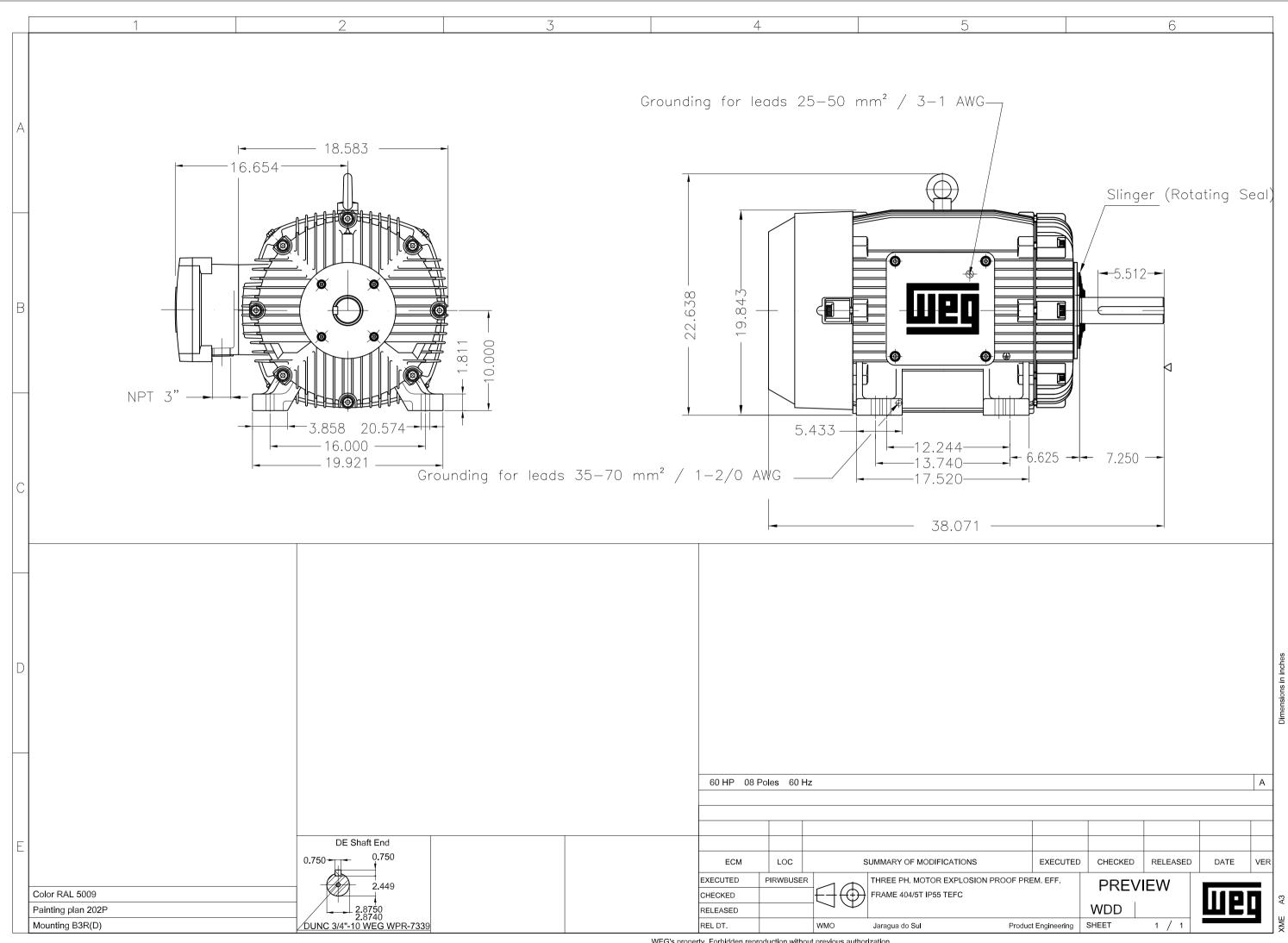








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	CCO29A Inverter Duty Severe Duty	y Motor		(h) usr	ED C C US Ewry Weilid	CSA/UL: Class I - Div. 1 - Groups C and D CSA: Class II - Div. 1 - Groups F and G CSA: Class II - Zone 1 - IIB EXPLOSION PROOF MOTOR FOR USE ON VPWM VFD 1000:IVT, 2:ICT, 1:0SF, T3C, AMB 40°C.
405T ZIL	PH 3 FR 404/5T	HP(kW) 60.0	(45.0)		Hz 60	ूरा11 ूरा12 ूरा10 दा11 ूरा12 रा10
T3E T0	V 230/460	A 152/7	5.9	RPM 88	5	015 016 014 015 016 014 018 019 017 018 019 017
009X N E 083	NEMA NOM. EFF. 93.0	0%	INS CL I	F 🛆 T 8	60 K IP55	- γτ8 γτ9 γτ7 φτ8 φτ9 φτ7 φτ2 φτ3 φτ1 φτ2 φτ3 φτ1 - ΔΔ L2 L3 L1 Δ L2 L3 L1
E 06	PF 0.80	DUTY CONT.			CODE G	208-230V 460//380V
MODEL 06009XT3E405T MADE IN BRAZIL 12408370	ENCL. TEFC	SF 1.15	SFA 17	75/87.3		→ 6217-C3(21g) MOBIL POLYREX EM
×	AMB 40°C	DES B USABLI	0208V 16	8 A SF 1	1.00	= 6314 - C3(27g) 16602 h
	AMB 55°C SF1.0 -b	bearings lub intervo	l reduced by	a factor	of 50%	ALT 1000 m.a.s.l 1230 Lbs
	50HP 37kW 50Hz 3	380V 76.6A 73	5RPM SF1.	00 EFF	91.7% (IE2)	