DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Three- Phase		hree- Prod	ree- Product code :		11450472	
		1 11000	Catalog # :		log # :	12518XT3E444T		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 444/5T : 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 : 2057 lb : 57.2 sq.ft.lb		
Output [HP]		125		100	100		100	
Poles		4		4	4		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		278/139		142	136		132	
. R. Amperes [A]		1779/890		852	898		937	
RC [A]		6.4x(Code G)	6.0	Dx(Code G)	6.6x(Cod	,	7.1x(Code H)	
lo load current [A		86.0/43.0		43.0	45.0		47.0	
Rated speed [RPN	/]	1782		1481	1483		1485	
Slip [%]		1.00		1.27	1.13		1.00	
Rated torque [ft.lb		368		354	353		353	
ocked rotor torqu		200		190	210		229	
Breakdown torque	e [%]	220		210	240		260	
Service factor		1.15		1.00	1.00		1.00	
emperature rise		80 K		80 K	80 K		80 K	
ocked rotor time		32s (cold) 18s (hot)		cold) 30s (hot)	54s (cold) 3		54s (cold) 30s (hot)	
loise level ²		76.0 dB(A)	7	2.0 dB(A)	72.0 dB		72.0 dB(A)	
	25%	94.9		94.4	94.8		94.4	
Efficiency (%)	50%	95.0		94.5	94.5		94.5	
Efficiency (%)	75%	95.4		94.5	95.0		95.0	
	100%	95.4		94.5	94.5		95.0	
	25%	0.51		0.52	0.49		0.46	
Power Factor	50%	0.75		0.77	0.74		0.71	
	75%	0.82		0.83	0.82		0.80	
	100%	0.85		0.85	0.84		0.83	
Drive end Bearing typeNon drive end 6219 C3Non drive end 6316 CSealing:VitonLip SeaLubrication interval:8033 h8569 hLubricant amount:28 g34 gLubricant type:Mobil Polyrex EM			16 C3 569 h 34 g	Max. traction : 1422 lb				
Notes USABLE @208V			hich	Theo are av		acad on tool	s with sinusoidal	
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, when shaft end. olerance of +3dB(A). ot to changes after	IICH				s with sinusoidal stipulated in NEMA	
(3) Approximate (manufacturing pro (4) At 100% of ful		Changes Summary						
manufacturing pro		Changes Summary		F	Performed	Checked	Date	
manufacturing pro (4) At 100% of ful		Changes Summary		F	Performed	Checked	Date	
nanufacturing pro (4) At 100% of ful Rev.		Changes Summary		F	Performed	Checked	Revision	

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ID	Application	Туре	Quantity	Sensing 1	Femperature
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
1	winding	memostat - 2 wires	I X FIIdSe		55 C
Pov	Char		Performed	Checked	Dete
Rev.	Chang	es Summary	renomea	Checked	Date
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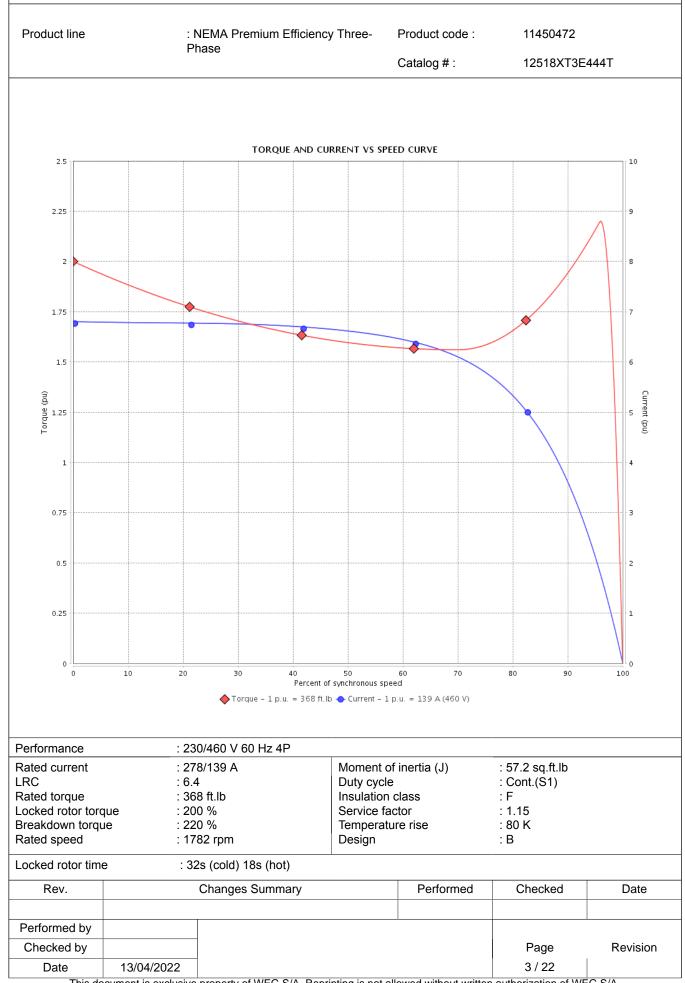
TORQUE AND CURRENT VS SPEED CURVE

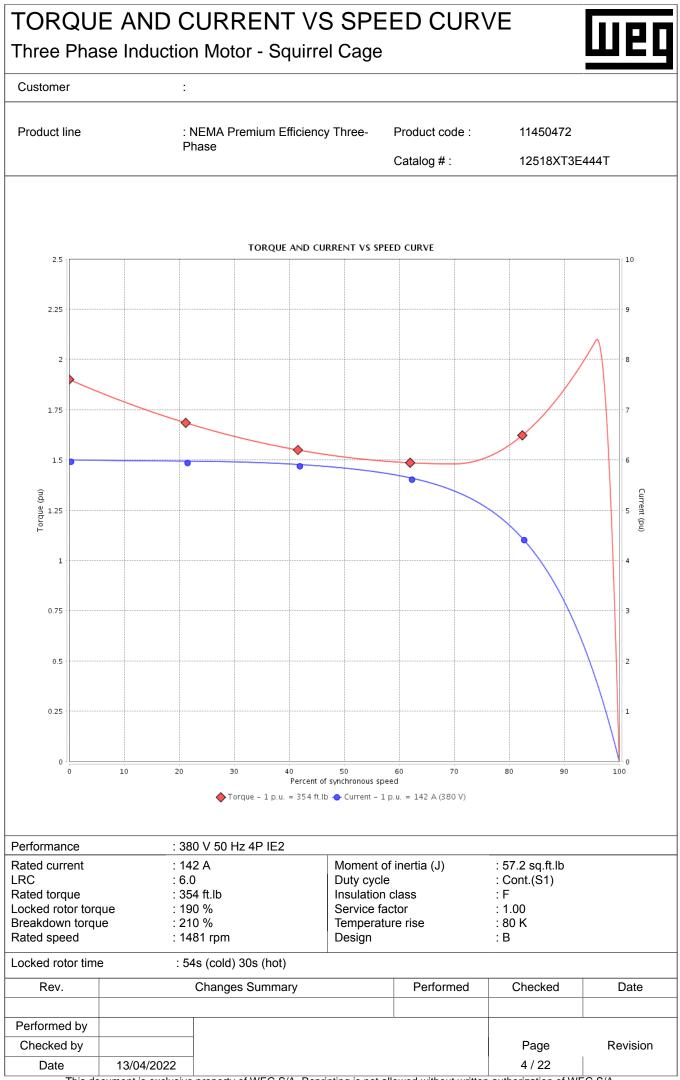
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Customer





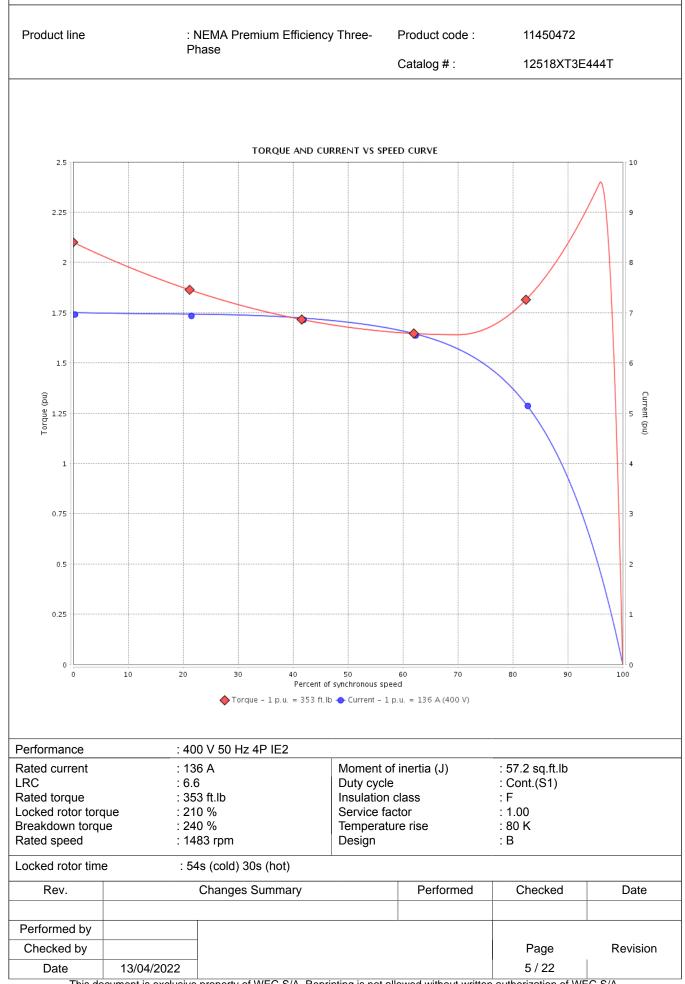
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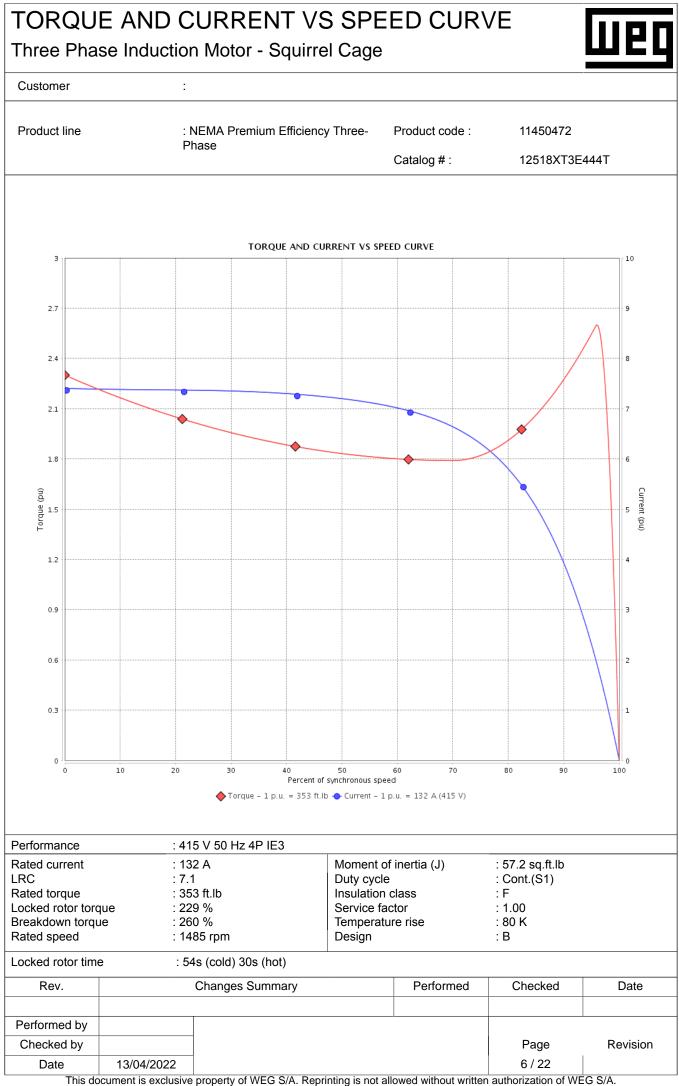
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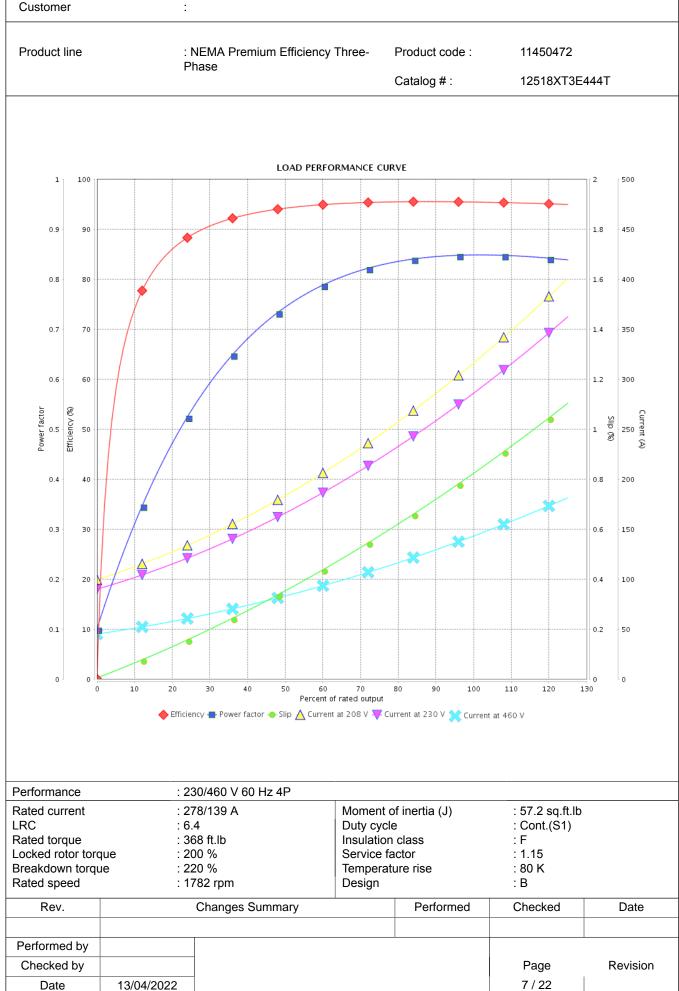
Customer





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Customer



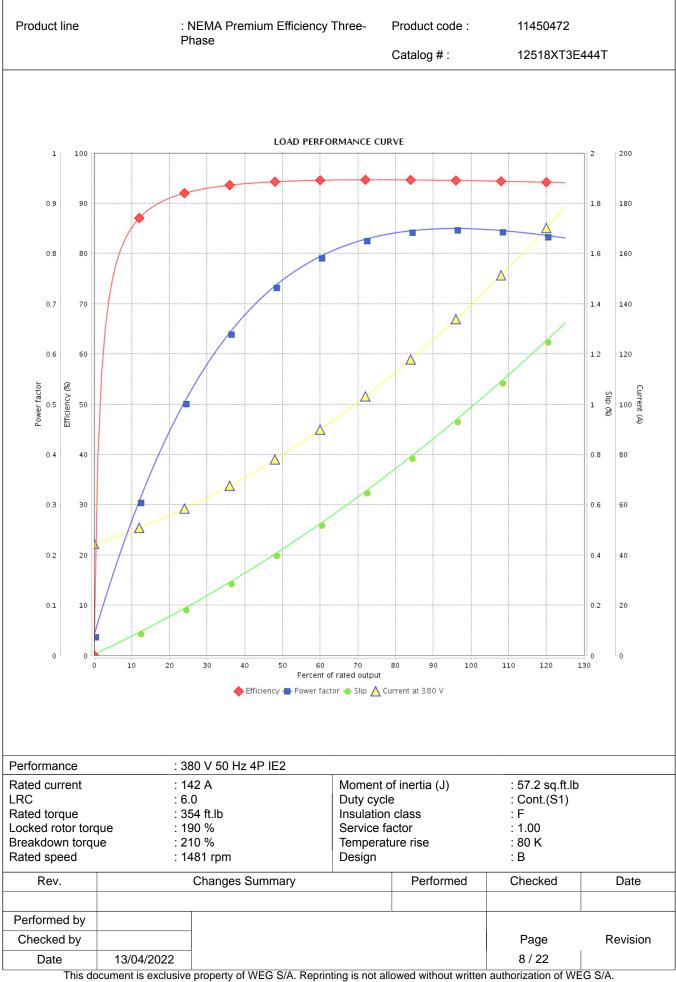
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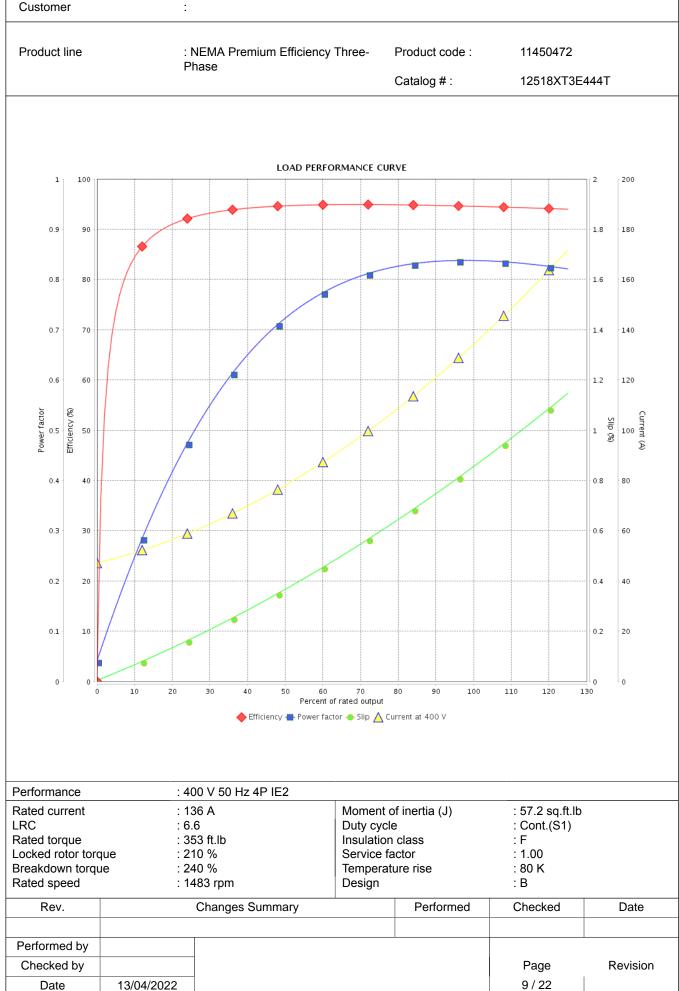


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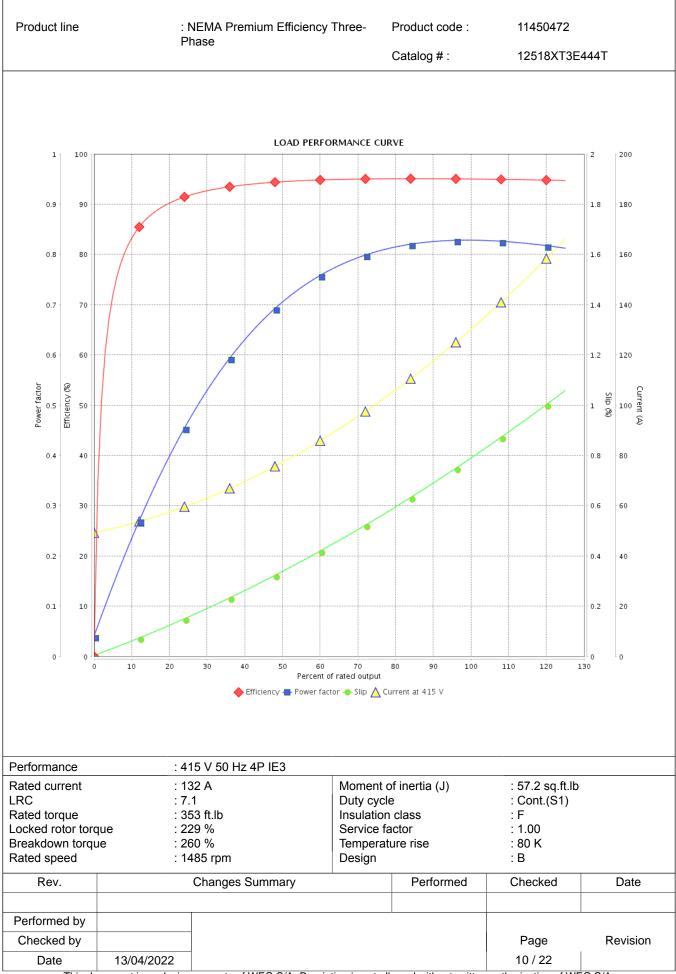
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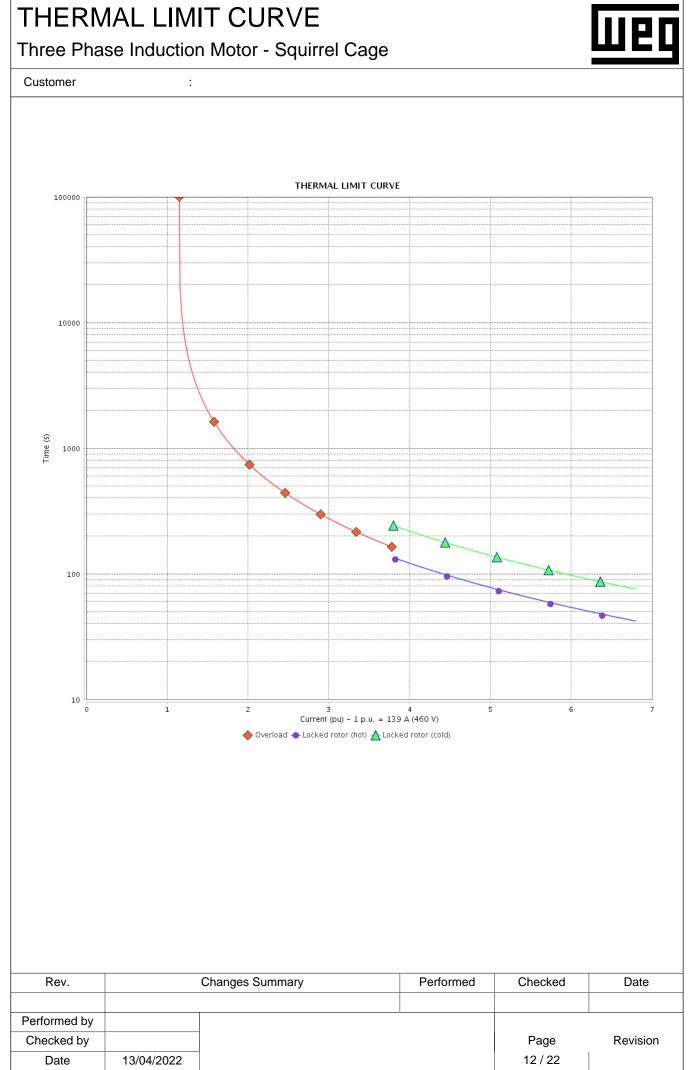
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11450472
	Phase	Catalog # :	12518XT3E444T

Шеq

Performance	:	230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed Heating constant	ue : e :	278/139 A 6.4 368 ft.lb 200 % 220 % 1782 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 57.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				11 / 22	
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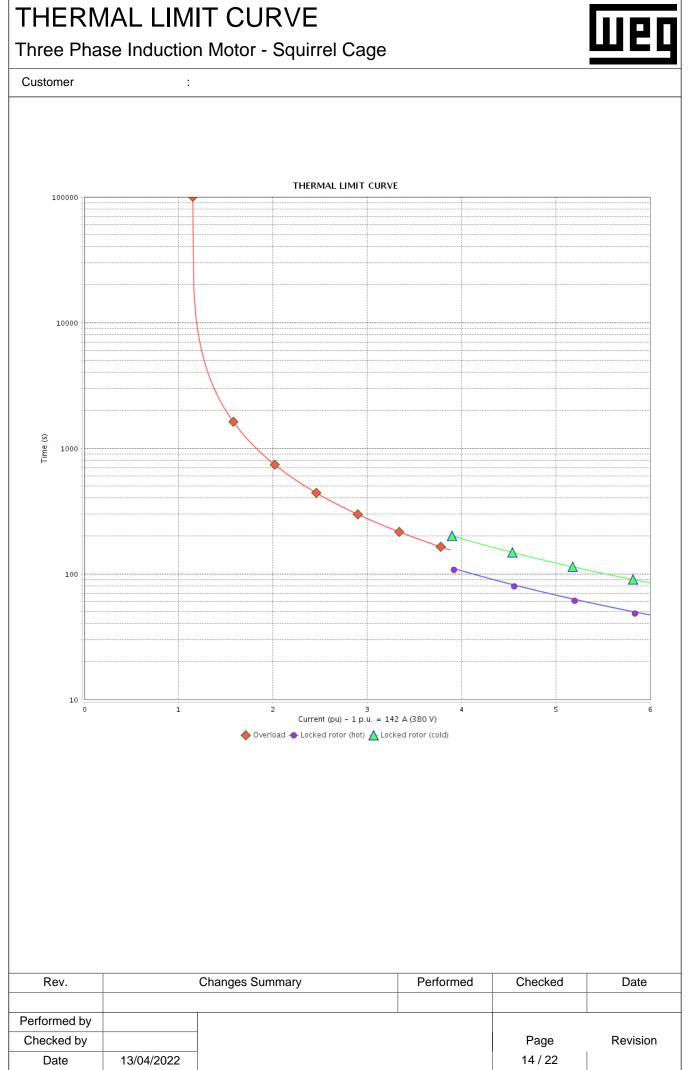
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11450472
	Phase	Catalog # :	12518XT3E444T

Шед

Performance	: 38	380 V 50 Hz 4P IE2					
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	; 6. ; 39 jue : 19 je : 22	42 A 0 54 ft.lb 90 % 10 % 481 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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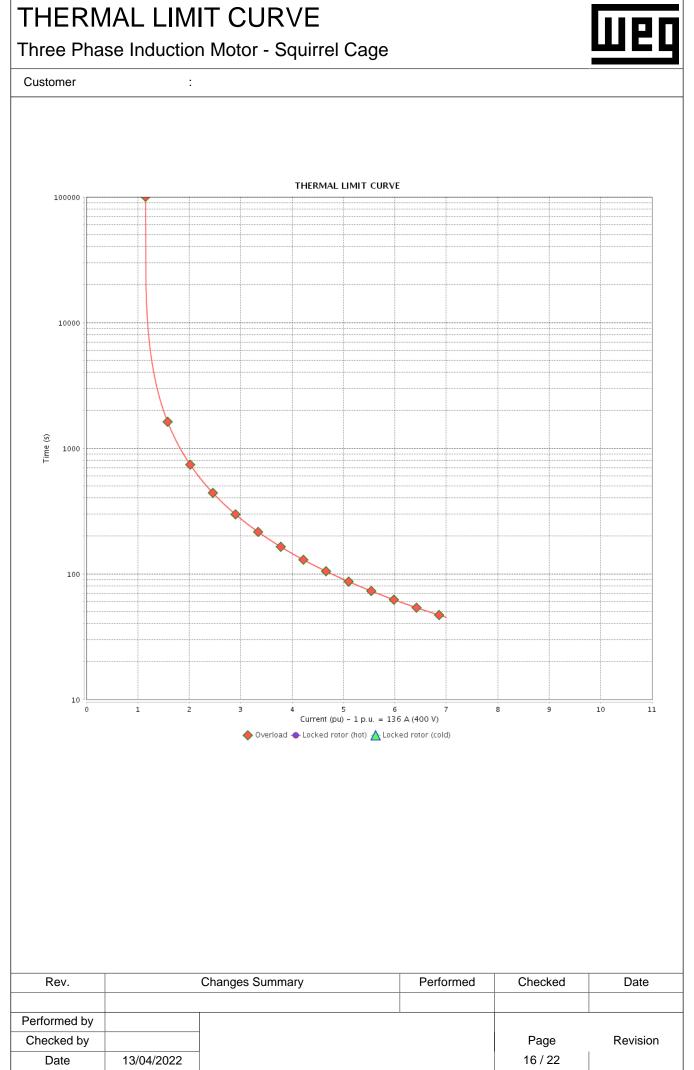
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Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11450472
	Phase	Catalog # :	12518XT3E444T

Шед

Performance	: 4	: 400 V 50 Hz 4P IE2					
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	iue : 2 iue : 2 ie : 1	36 A .6 53 ft.lb 10 % 40 % 483 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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Date	13/04/2022				15 / 22		
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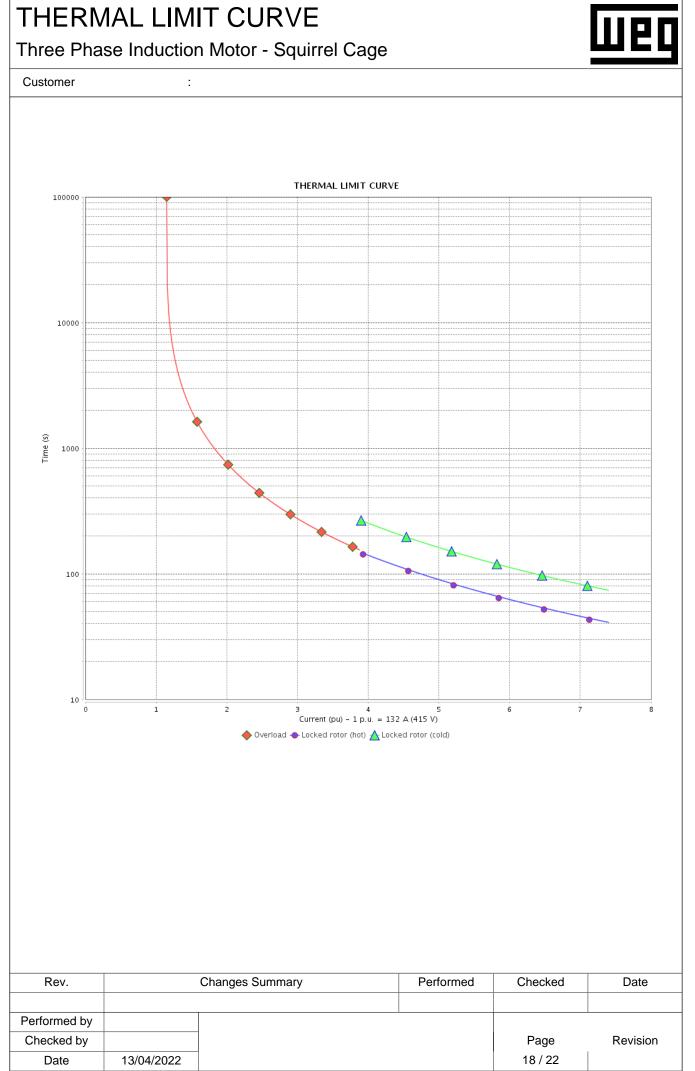
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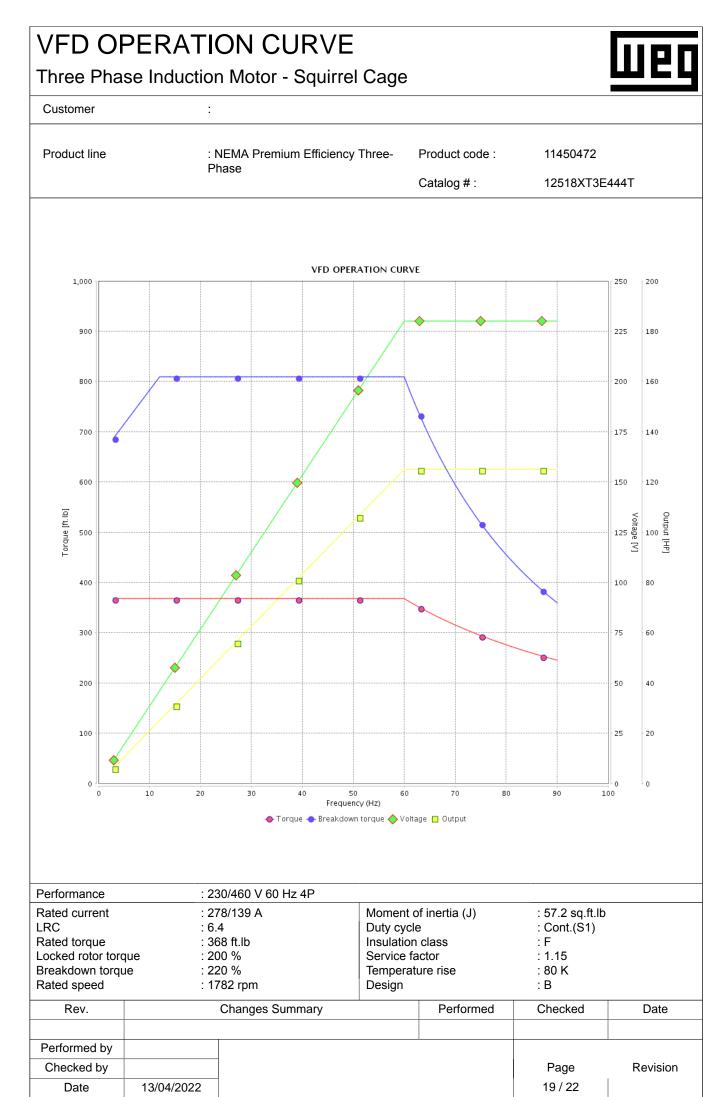
Product line	: NEMA Premium Efficiency Three-	Product code :	11450472
	Phase	Catalog # :	12518XT3E444T

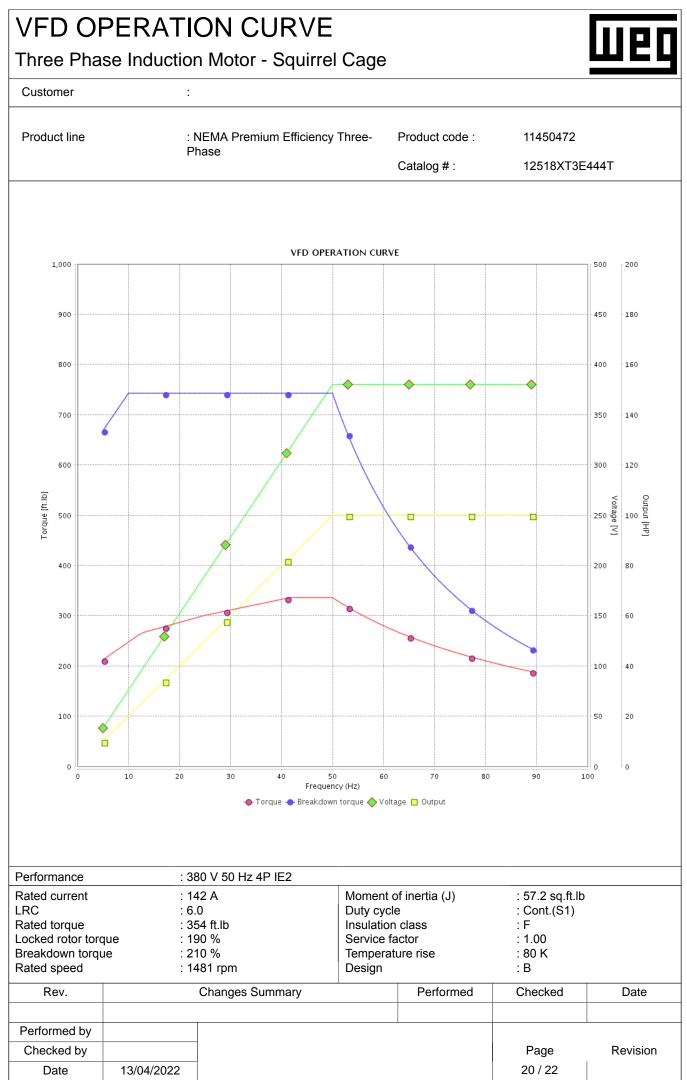
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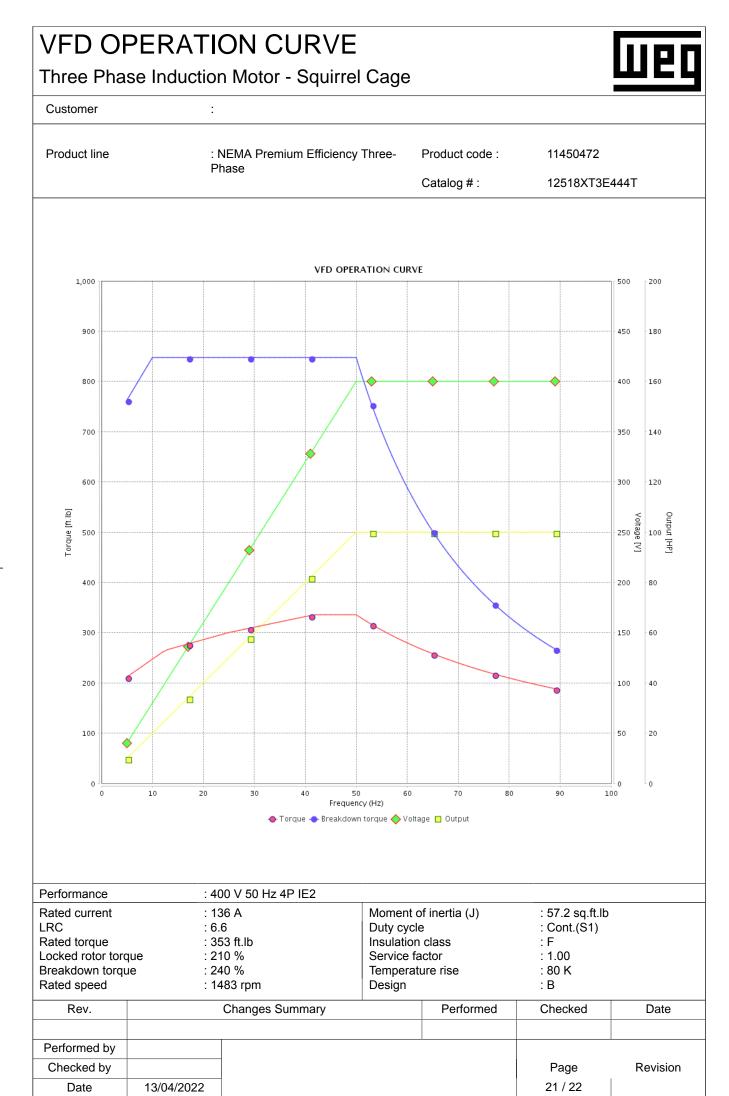
Performance	: 4	15 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	1 22 10e 22 10e 24 10 10 10 10 10 10 10 10 10 10 10 10 10	32 A .1 53 ft.lb 29 % 60 % 485 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant	t						
Cooling constant	:						
Rev.	Changes Summary			Performed	Checked	Date	
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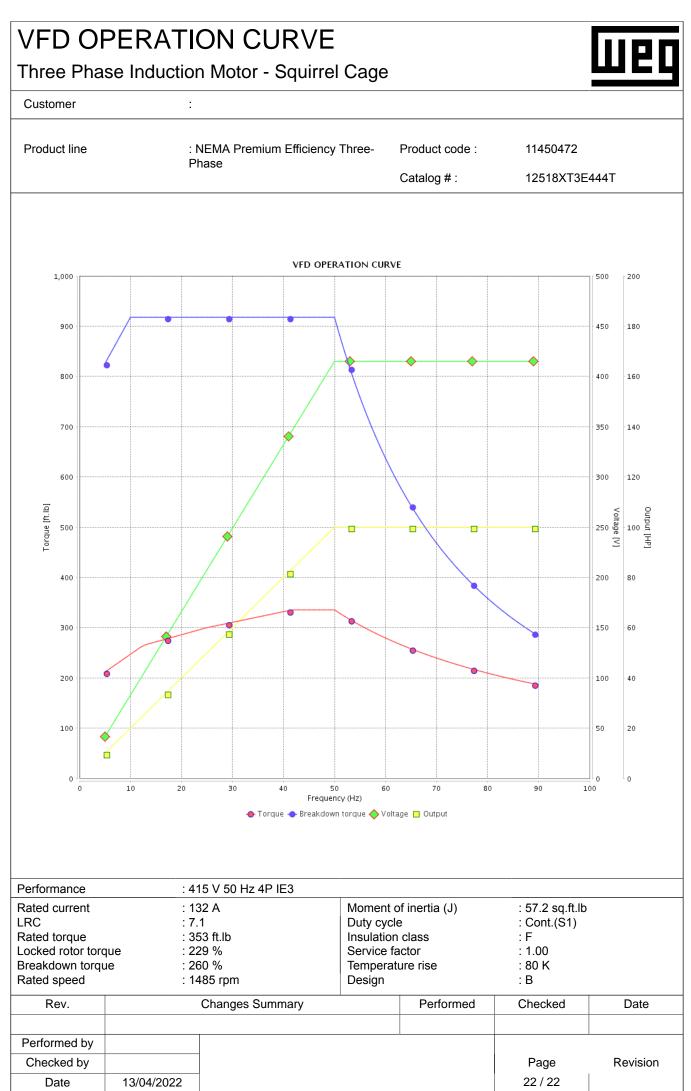


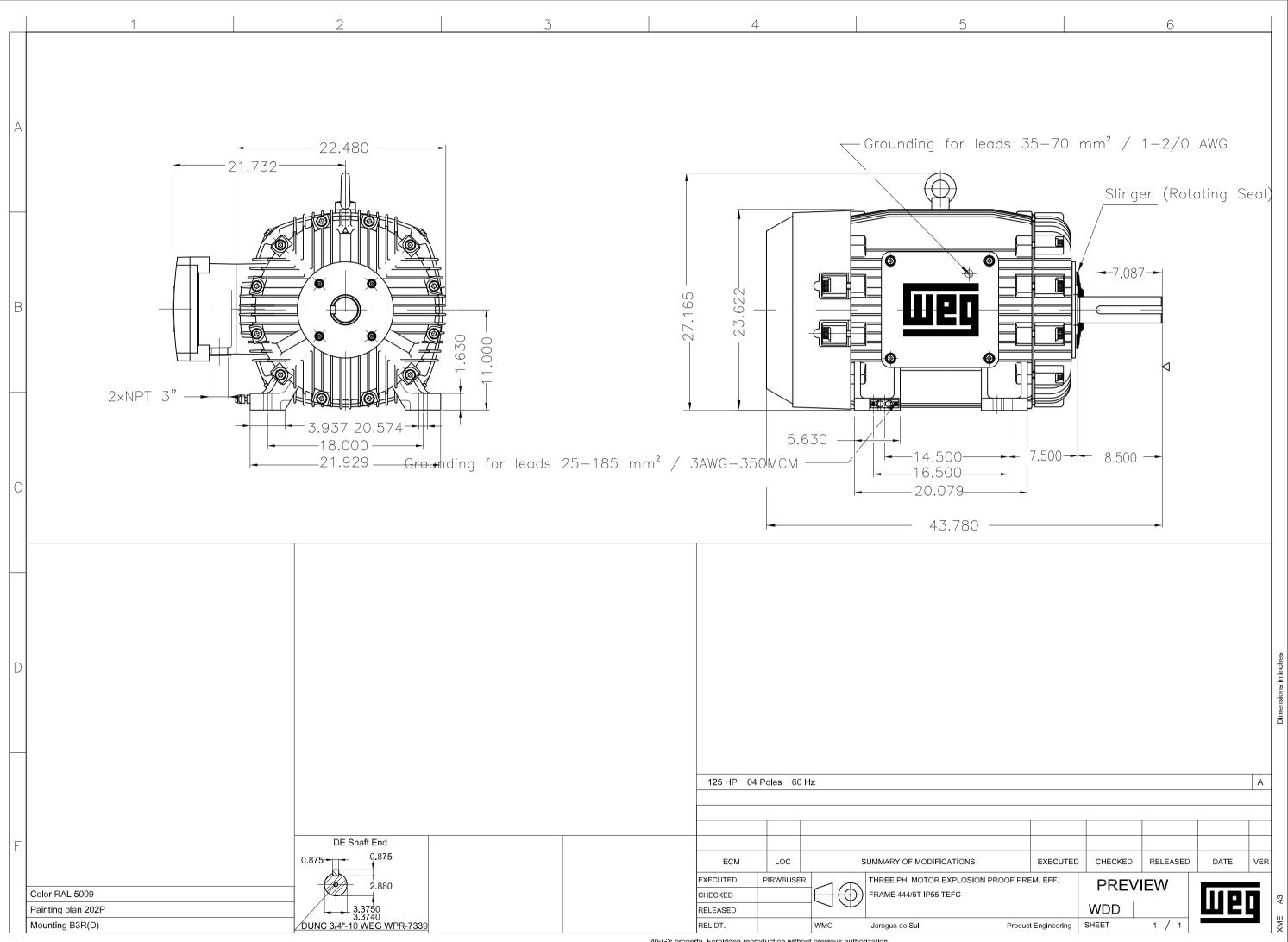
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1	CC029A Inverter Duty Severe Duty			(h) usi	ED C C US Every Weilind	TEMP CODE T3C CSA/UL: Class I - Div. 1 - Groups C and D CSA: Class II - Div. 1 - Groups F and G CSA: Class I - Zone 1 - IIB EXPLOSION PROOF MOTOR FOR USE ON VPWW VFD 1000:171, 2:1C1, 1.0SF, T3C, AWB 40°C.
12518XT3E444T E IN BRAZIL 1450472	PH 3 FR 444/5T	HP(kW) 125.0	. ,		Hz 60	
3R/	V 230/460	A 278/13	9	RPM 17	82	
518) N E 504	NEMA NOM. EFF. 95.4	4%	INS CL F	FATE	30 K IP55	- γτ8 φτ9 φτ7 φτ8 φτ9 φτ7 φτ2 φτ3 φτ1 φτ2 φτ3 φτ1 - Δ L2 L3 L1 Δ L2 L3 L1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PF 0.85	DUTY CONT.			CODE G	208-230V 460//380V
MODEL 1 MADE 11	ENCL. TEFC	SF 1.15	SFA 32	20/160		A → 6219-C3(28a) MOBIL POLYREX EM
×	AMB 40°C [DES B USABLE	@208V 314	4 A SF	1.00	(= -6316 - C3(34q)) = 8033 h
	AMB 55°C SF1.0 -b	earings lub interval	reduced by	' a factor	of 50%	ALT 1000 m.a.s.l 2057 Lbs
	100HP 75kW 50Hz 380V 142A 1481RPM SF1.00 EFF 94.5% (IE2)					