

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: 01018ET3E215T-S			
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12630848
				Catalog # :	01018ET3E215T-S
Frame	: 213/5T	Locked rotor time	: 27s (cold) 15s (hot)		
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K		
Poles	: 4	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 27.0-24.4/12.2 A	Protection degree	: IP55		
L. R. Amperes	: 189-171/85.4 A	Cooling method	: IC411 - TEFC		
LRC	: 7.0x(Code H)	Mounting	: F-1		
No load current	: 9.56-11.1/5.54 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1760 rpm	Noise level ²	: 60.0 dB(A)		
Slip	: 2.22 %	Starting method	: Direct On Line		
Rated torque	: 29.4 ft.lb	Approx. weight ³	: 127 lb		
Locked rotor torque	: 250 %				
Breakdown torque	: 300 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 1.07 sq.ft.lb				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.0	91.7	Max. traction	: 526 lb
Power Factor	0.67	0.78	0.84	Max. compression	: 653 lb
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6208 ZZ		6206 ZZ	
Sealing	:	V'Ring		V'Ring	
Lubrication interval	:	-		-	
Lubricant amount	:	-		-	
Lubricant type	:	Mobil Polyrex EM			
Notes					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

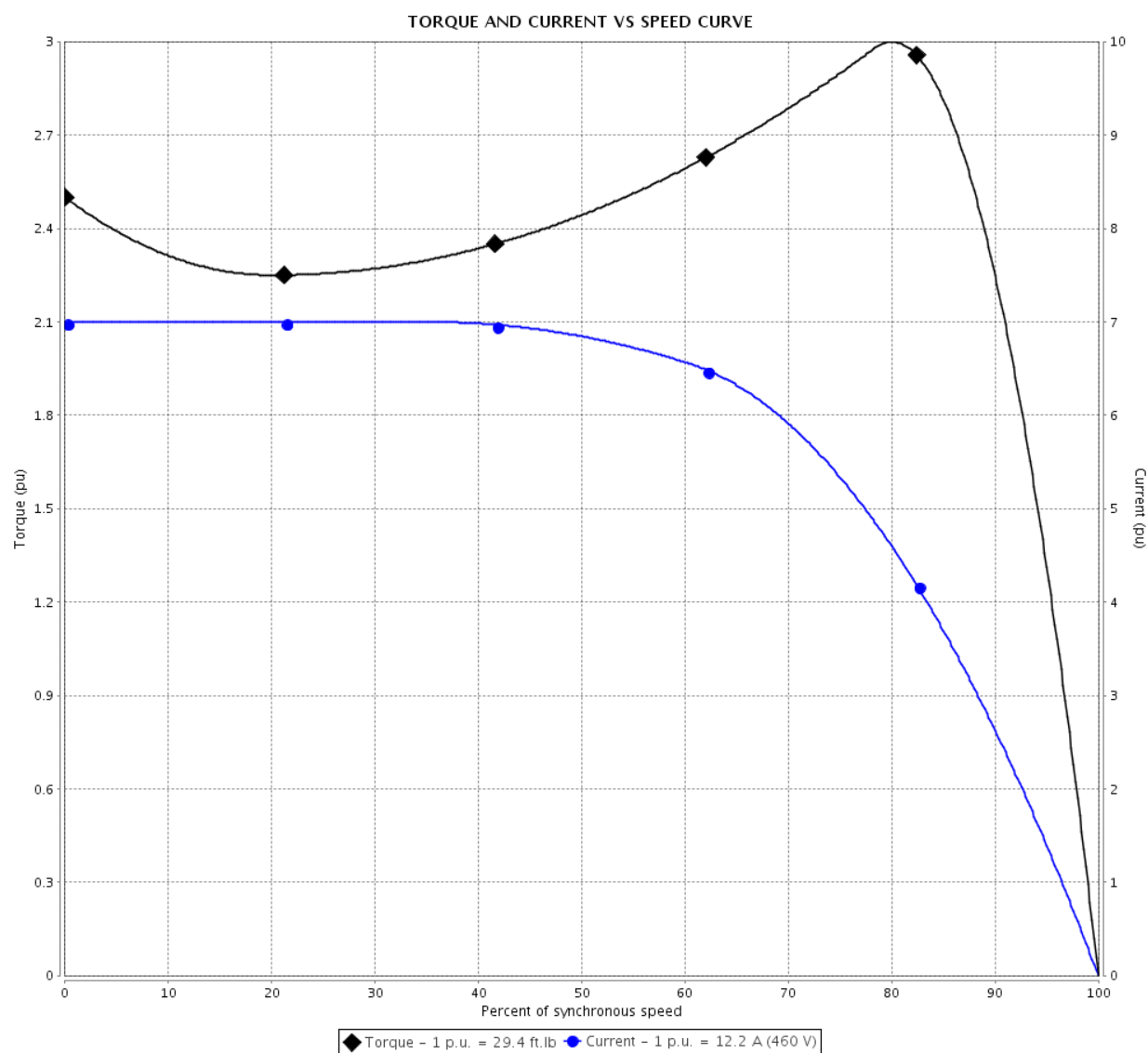


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Efficiency Three-Phase

Product code : 12630848

Catalog # : 01018ET3E215T-S



Performance : 208-230/460 V 60 Hz 4P

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LRC : 7.0
Rated torque : 29.4 ft.lb
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Breakdown torque : 300 %
Rated speed : 1760 rpm

Moment of inertia (J) : 1.07 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Locked rotor time : 27s (cold) 15s (hot)

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LOAD PERFORMANCE CURVE

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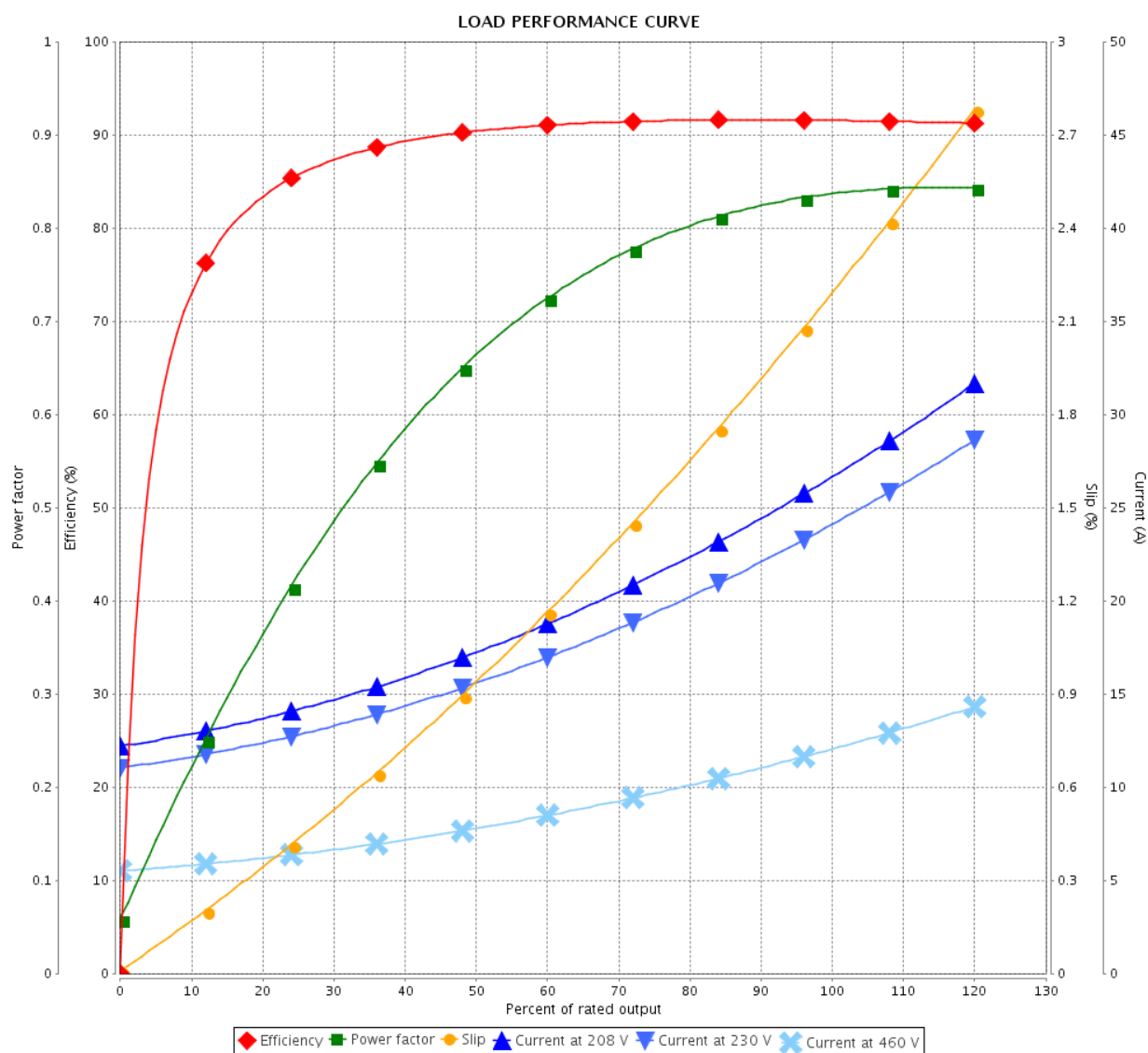


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THERMAL LIMIT CURVE

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Heating constant

Cooling constant

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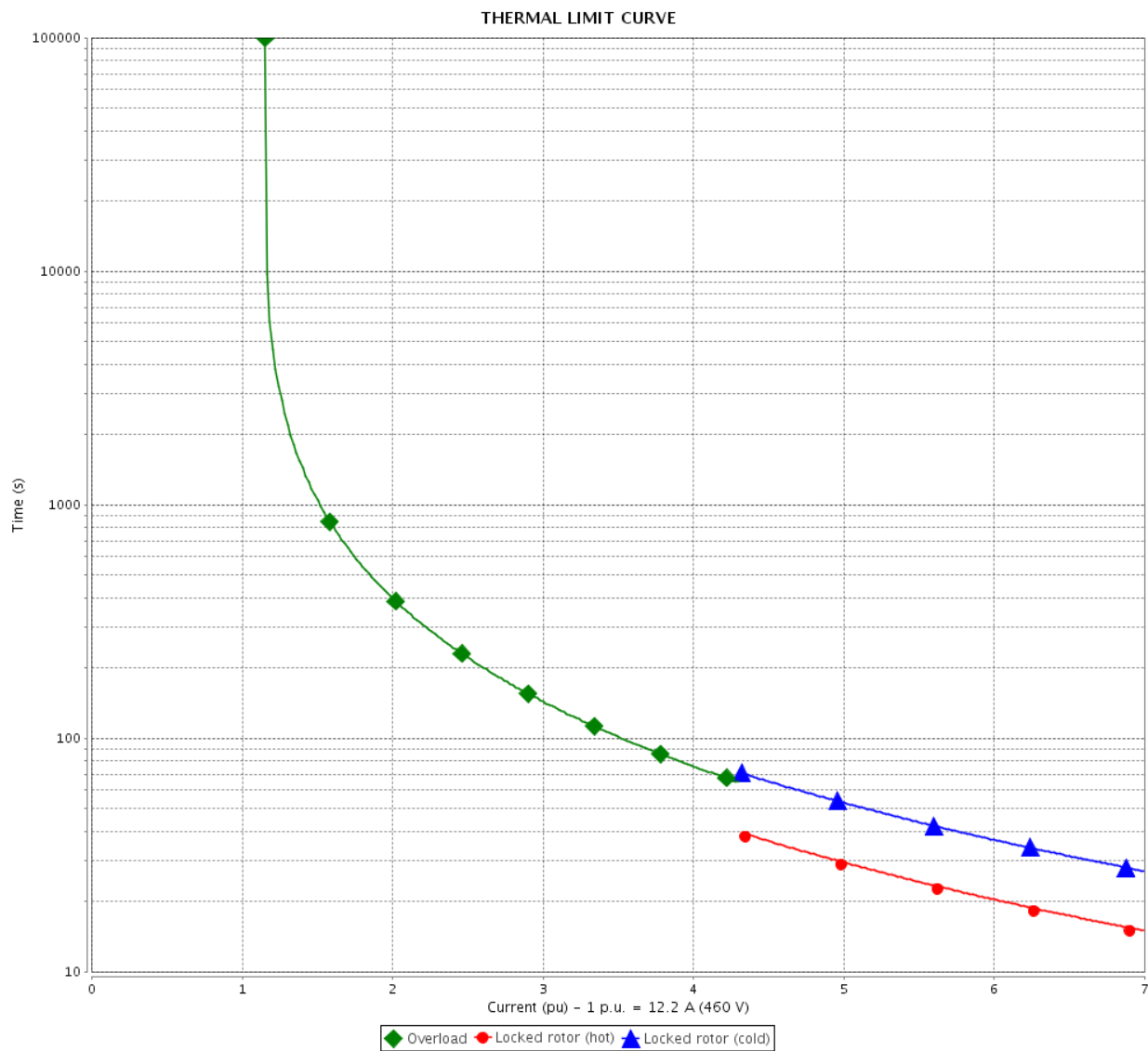
THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

: 01018ET3E215T-S



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VFD OPERATION CURVE

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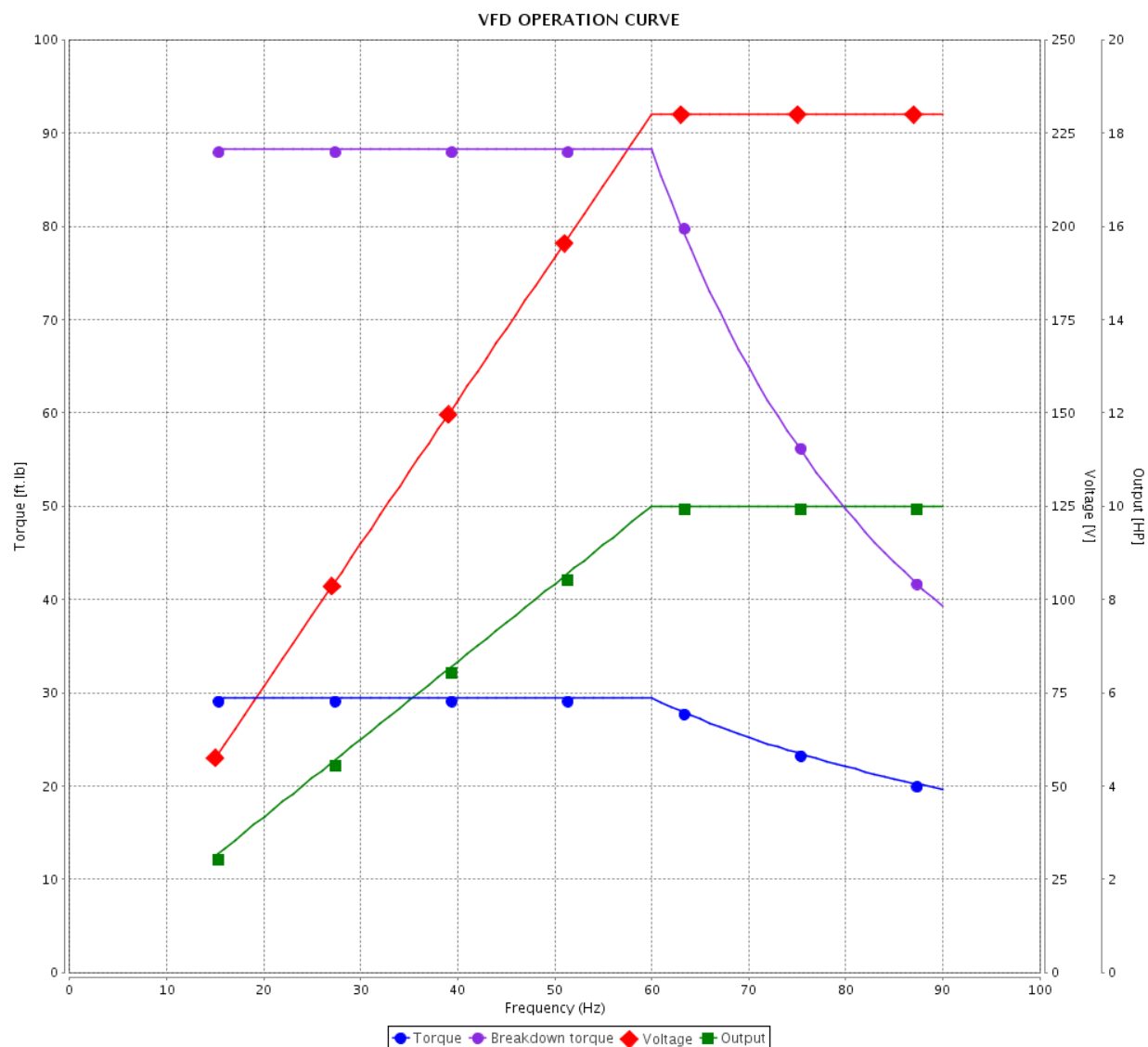


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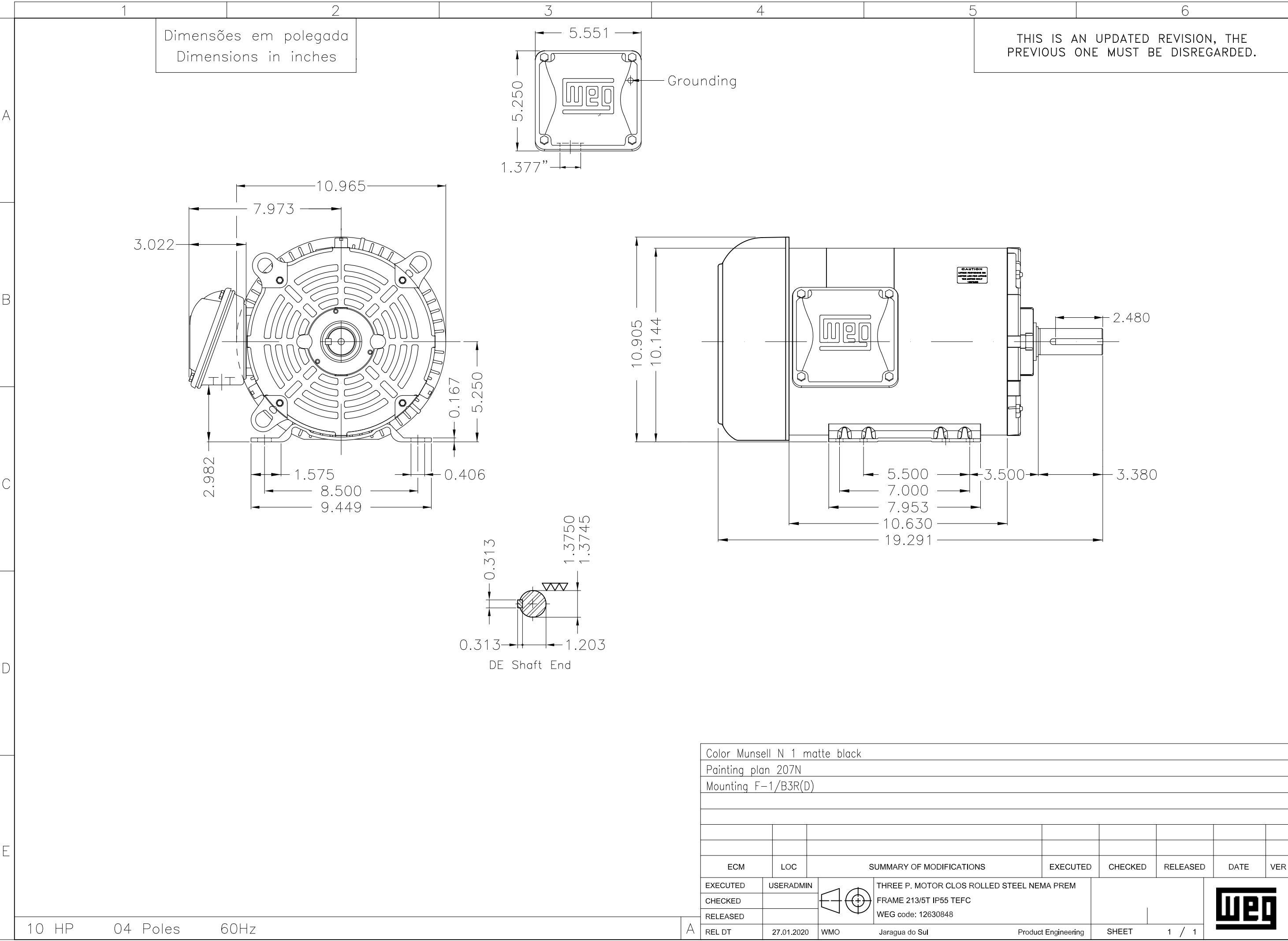


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NEMA
Premium



3PT9
C US LISTED
FOR SAFE AREA



Energy Verified

MADE IN MEXICO

MAT: 12630848 CC029A

W01.TE0IC0X0N

HT010404NPW01

29JAN2020 S/N:

For 60Hz: Class I, Zone 2, IIC
Class I, Div.2, Gr. A,B,C,D - T3
Div 2 Inverter Duty (SF1.00)

CT 2:1/VT 1000:1

PH 3	FR	213/5T	HP(KW)	10(7.5)	Hz	60
V	230/460		RPM	1760		
A	24.4/12.2		DUTY CONT.			
SFA	28.1/14.0		CODE	H	DES	B IP55
SF	1.15	INS CL F	AT	80K	AMB	40°C ENCL TEFC
PF	0.84		NEMA NOM.EFF.	91.7%		

ALT 1000 m.a.s.l. USABLE @ 208V 27.0A SF1.00

ALTERNATE RATING: 7.5HP 50Hz 190-220/380-415V SF1.15

22.4-20.6/11.2-10.9A 1465RPM EFF 90.1% (IE3) IEC 60034-1



INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT

DE: 6208-ZZ ODE: 6206-ZZ MOBIL POLYREX EM

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.

AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

