

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : AutomationSTE
Customer reference : AutomationSTE

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase
Product code : 13207633
Catalog # : 01036ET3E215T-SRT

Frame	: 213/5T	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 25.9-23.5/11.7 A	Protection degree	: IP55
L. R. Amperes	: 181-165/81.9 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code H)	Mounting	: F-1
No load current	: 0.000-8.20/4.10 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3510 rpm	Noise level ²	: 70.0 dB(A)
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 20.3 Nm	Approx. weight ³	: 55.4 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 305 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0196 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	88.1	89.6	90.2	Max. traction	: 874 N
Power Factor	0.00	0.77	0.85	0.89	Max. compression	: 1417 N

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

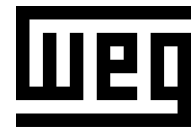
- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 4 Revision		
Checked by				
Date	11/05/2024			

TORQUE AND CURRENT VS SPEED CURVE

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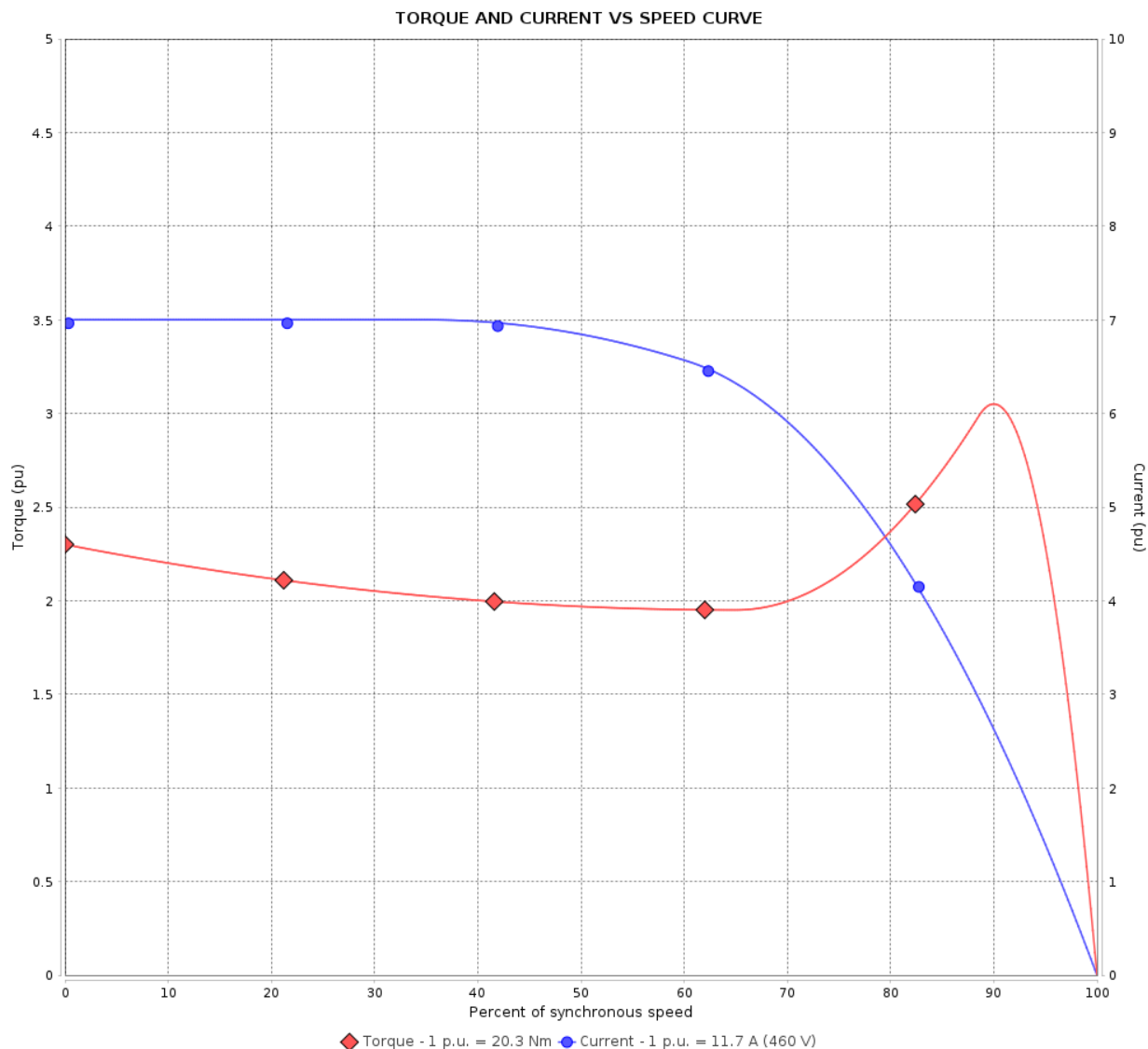


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Breakdown torque : 305 %
Rated speed : 3510 rpm

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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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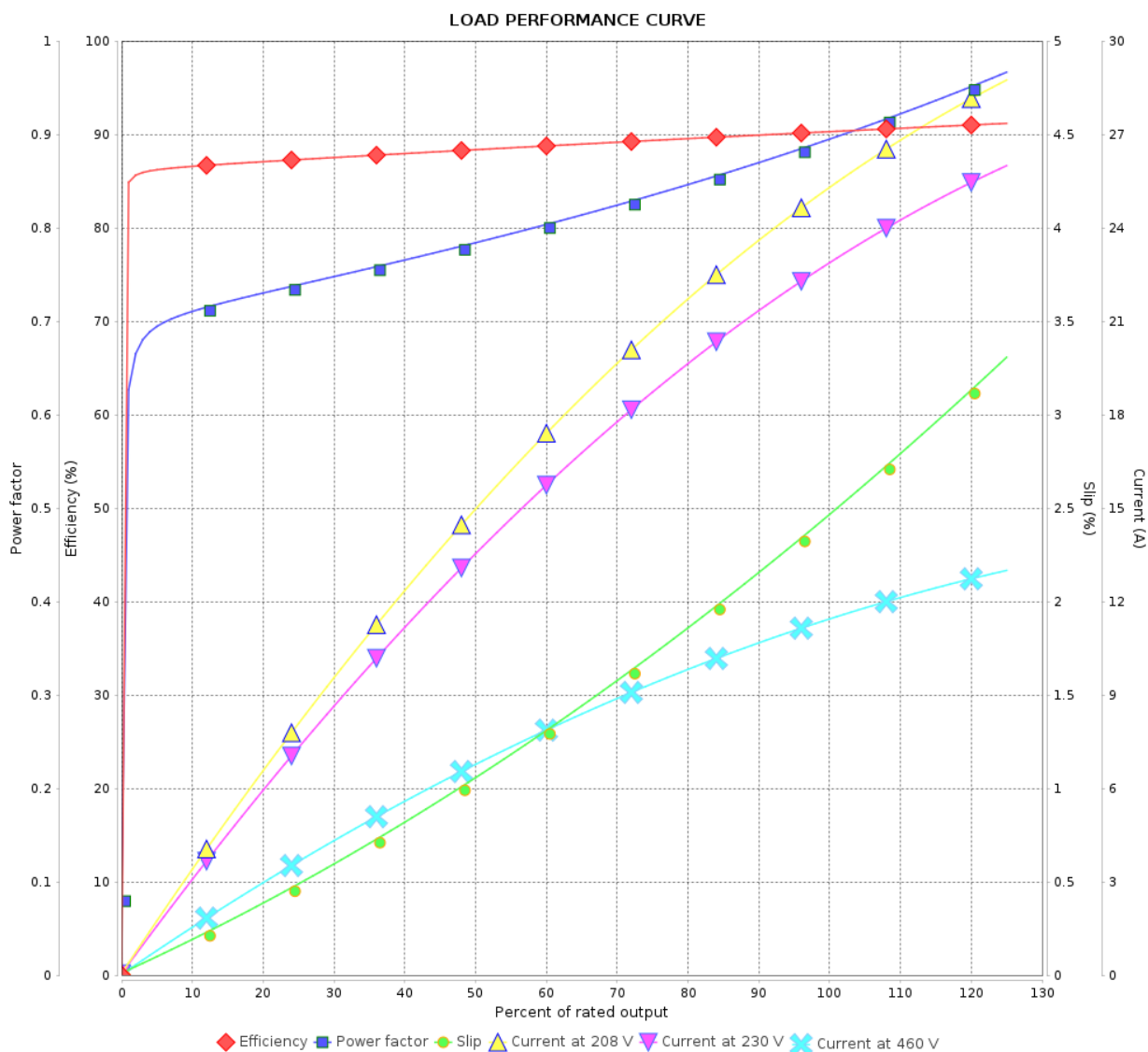


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VFD OPERATION CURVE

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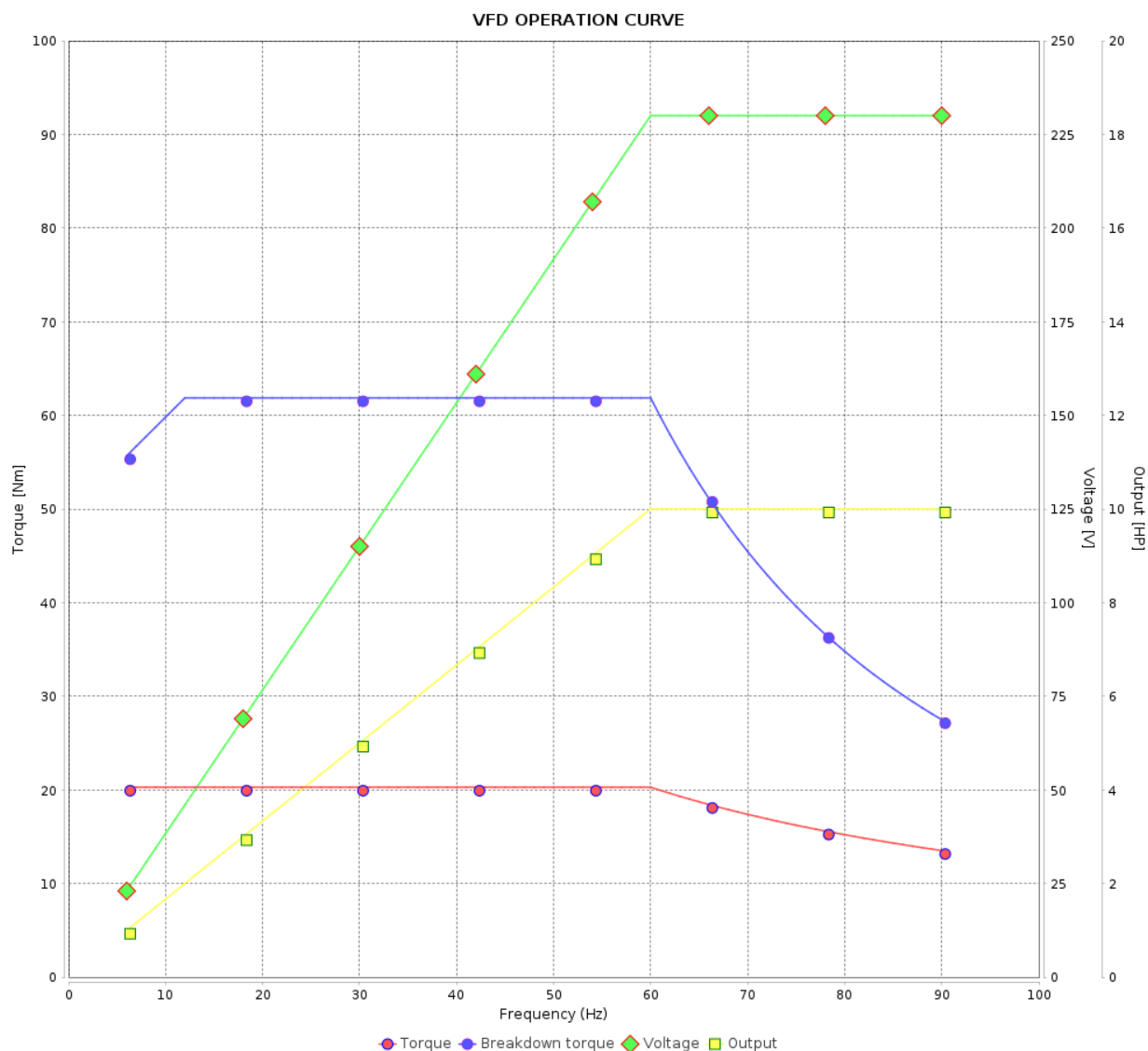


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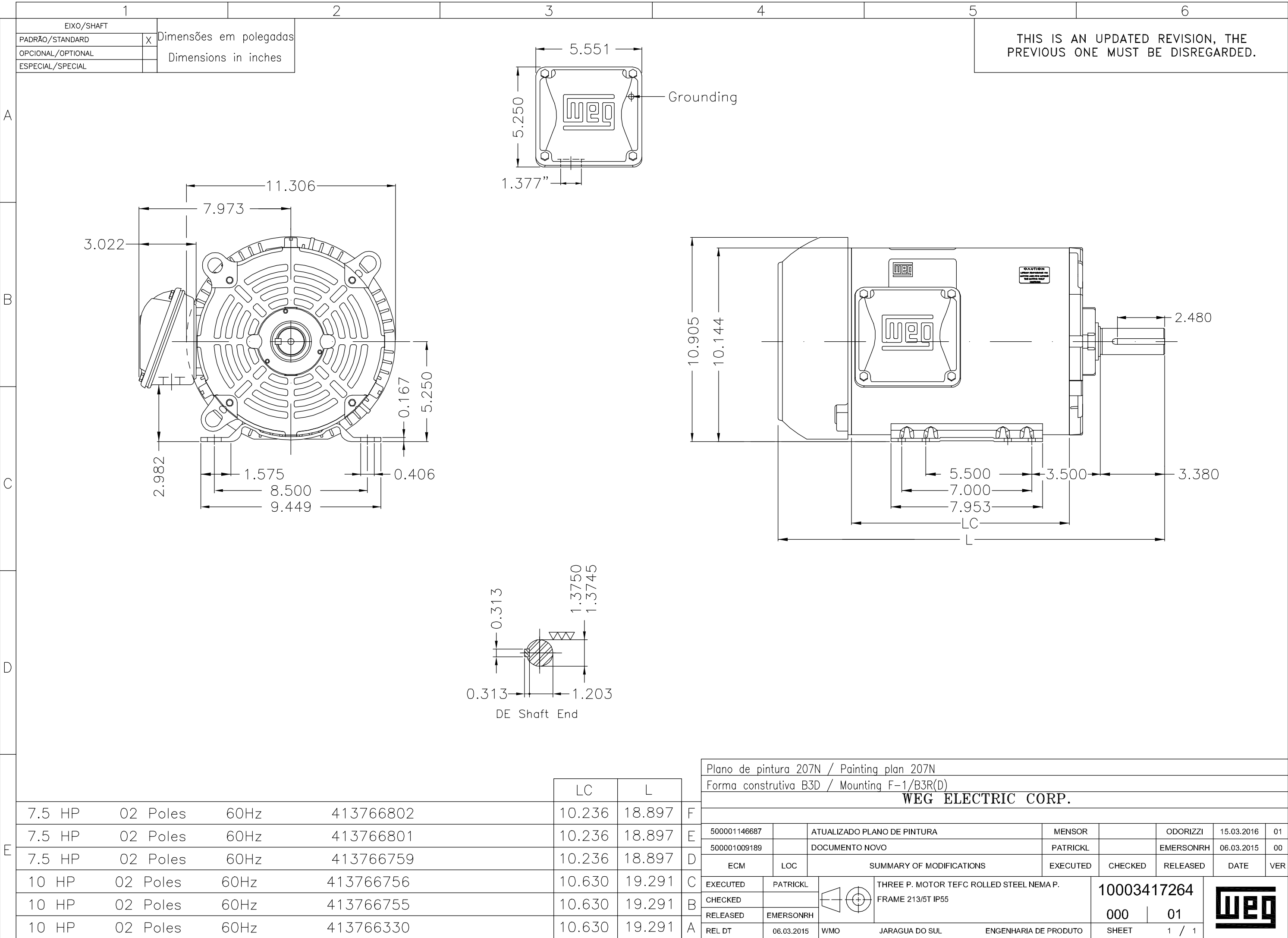


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NEMA
Premium



MADE IN MEXICO

MAT: 13207633 CC029A

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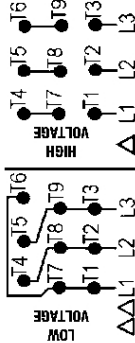
MODEL 01036ET3E215T-SRT

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	Hz 60	HP 10
FR 213/5T		KW 7.5
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 23.5/11.7
INS CL F AT 80K	IP55	SFA 27.0/13.5
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE H	PF 0.89
		RPM 3510
		NEMA NOM. EFF 90.2%

Electric Motor

DE 6208-ZZ	ODE 6206-ZZ	MOBIL POLYREX EM
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INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

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.

