

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: NEMA Premium Efficiency Three-Phase			
Product code :	13202800			
Catalog # :	00736ET3E213T-SRT			
Frame : 213/5T Output : 7.5 HP (5.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 19.4-17.5/8.76 A L. R. Amperes : 140-126/63.1 A LRC : 7.2x(Code H) No load current : 0.000-6.40/3.20 A Rated speed : 3515 rpm Slip : 2.36 % Rated torque : 11.2 ft.lb Locked rotor torque : 229 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Design : B	Locked rotor time : 36s (cold) 20s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 70.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 115 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	0.000 86.5 88.0 89.5			
Power Factor	0.00 0.74 0.83 0.88			
Foundation loads				
Max. traction	: 119 lb			
Max. compression	: 234 lb			
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 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.				
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



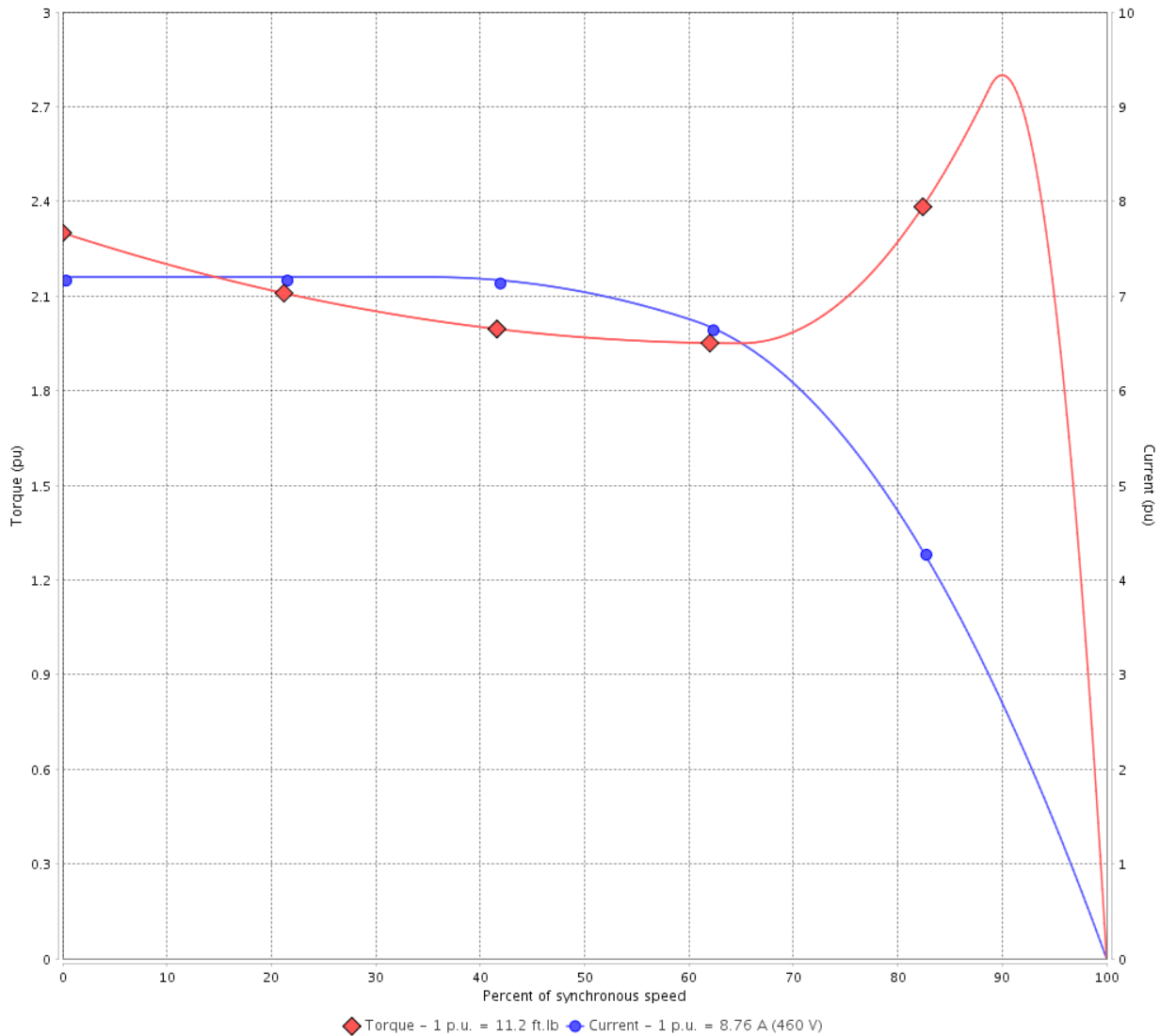
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Catalog # : 00736ET3E213T-SRT

TORQUE AND CURRENT VS SPEED CURVE



Performance : 208-230/460 V 60 Hz 2P

Rated current	: 19.4-17.5/8.76 A	Moment of inertia (J)	
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 11.2 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3515 rpm	Design	: B

Locked rotor time : 36s (cold) 20s (hot)

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LOAD PERFORMANCE CURVE

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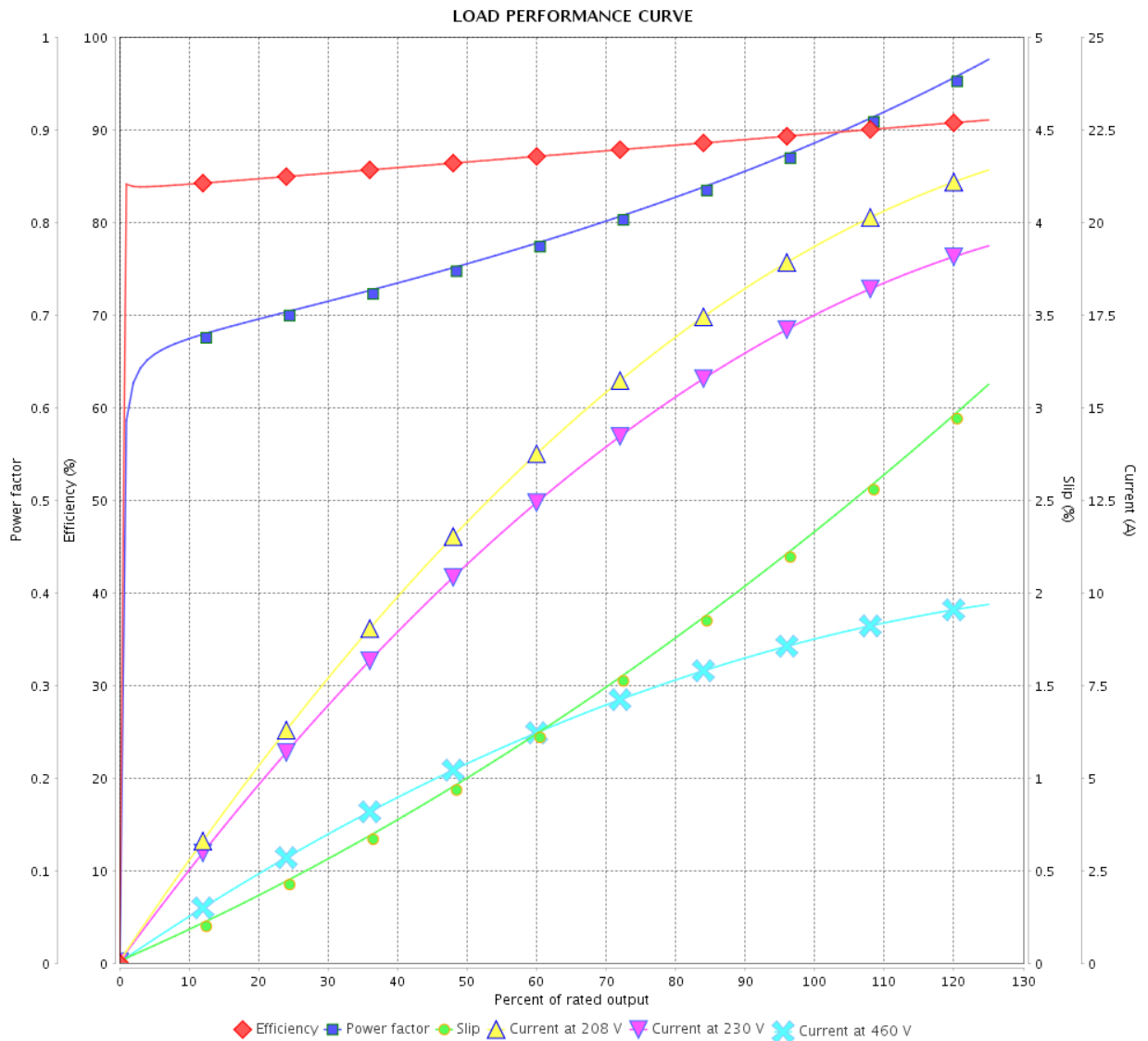


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 Insulation class : F
 Service factor : 1.15
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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

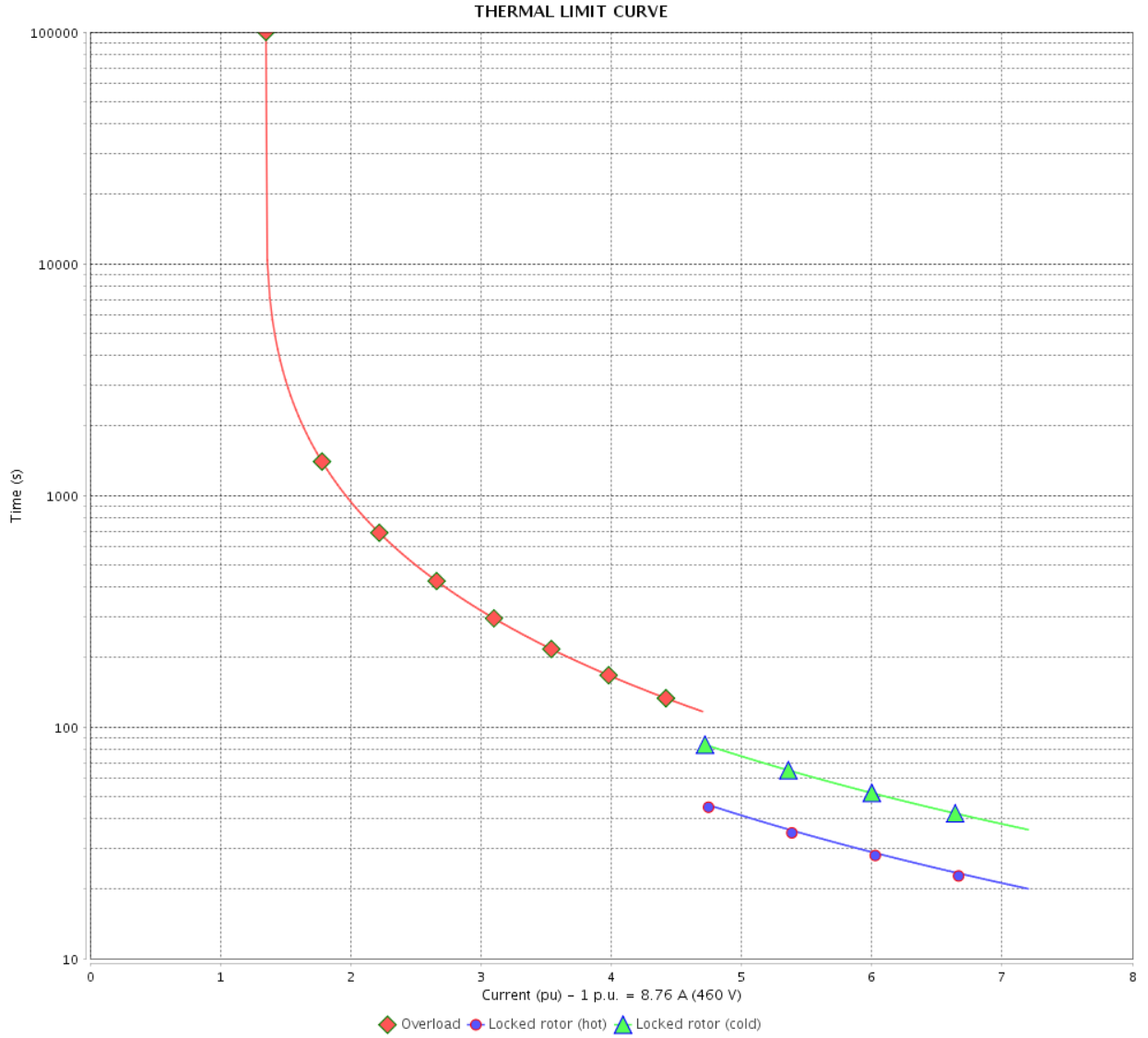
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

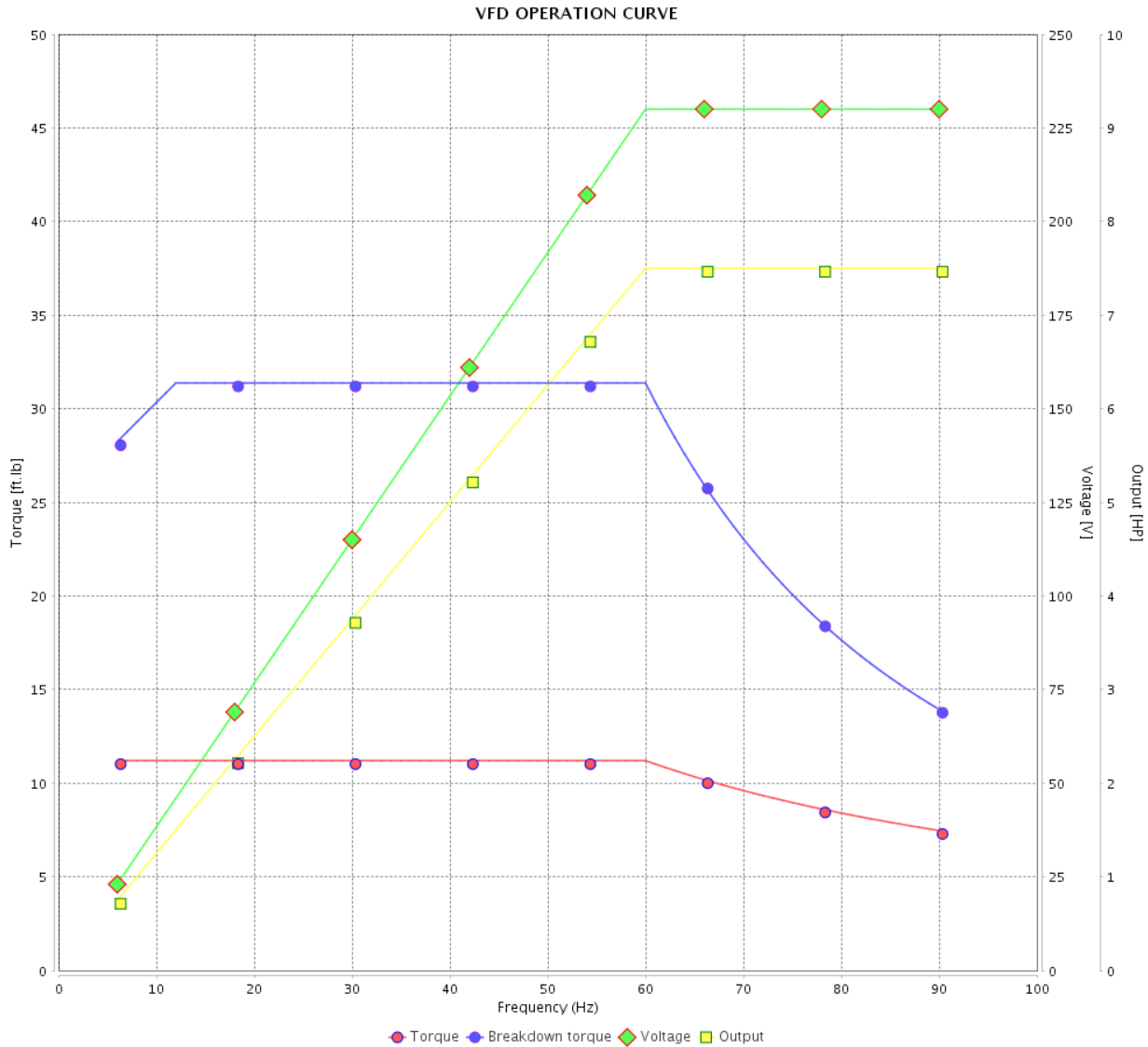


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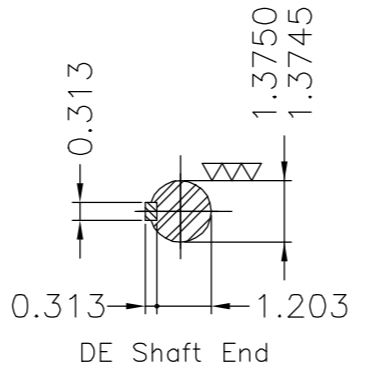
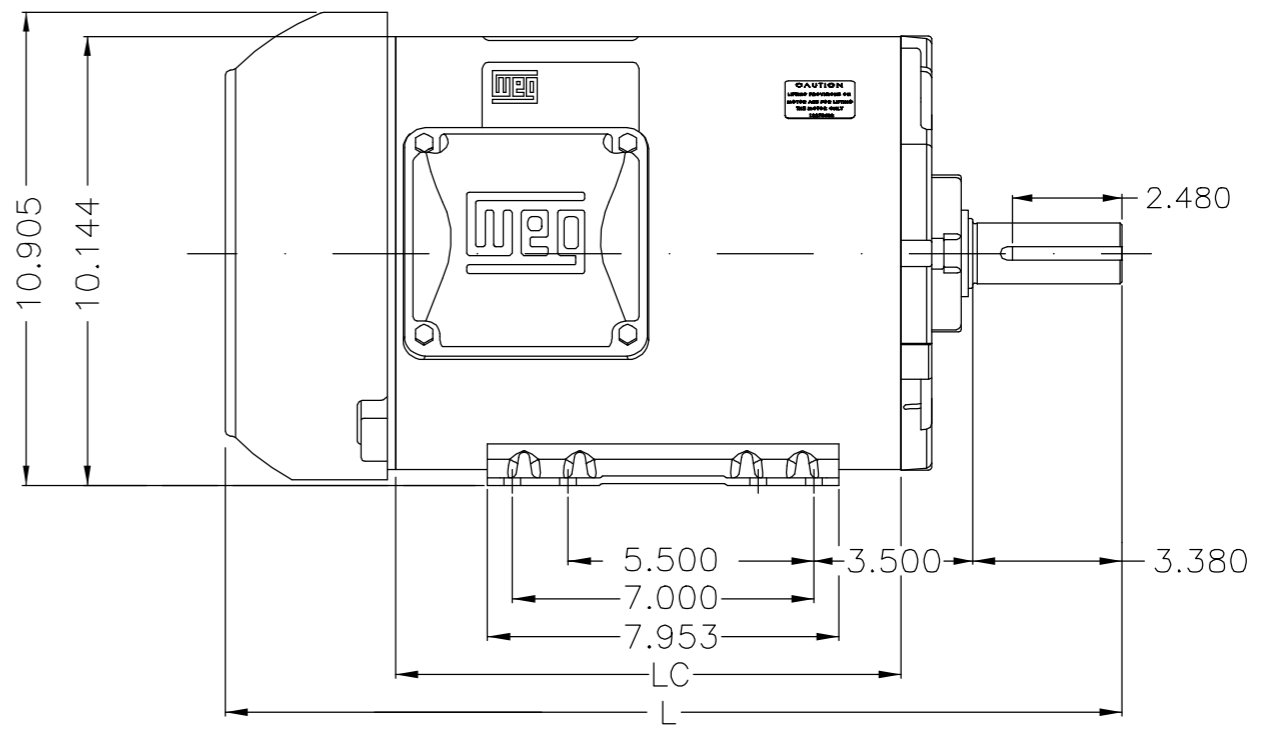
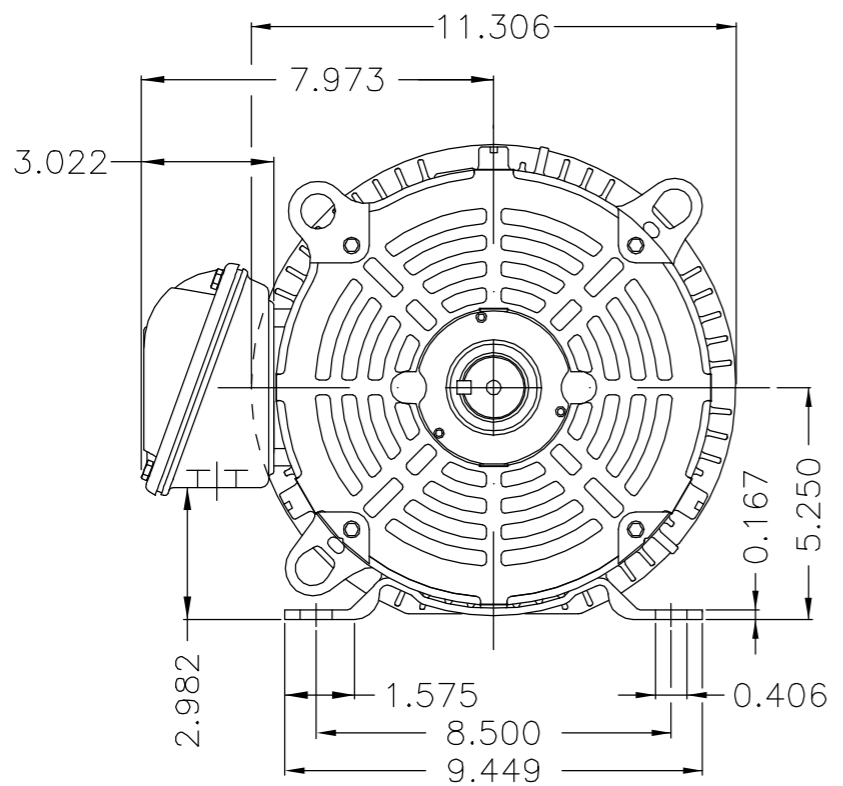
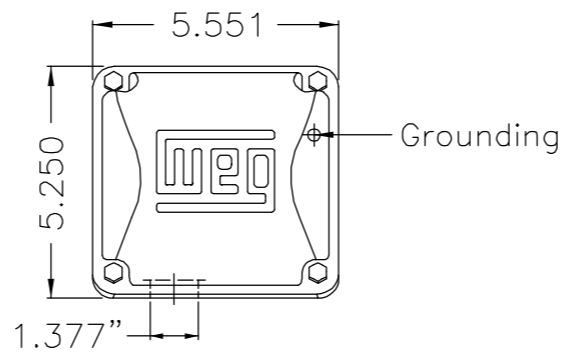
Moment of inertia (J)
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EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

Dimensões em polegadas
Dimensions in inches

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



					LC	L	
7.5 HP	02 Poles	60Hz	413766802		10.236	18.897	F
7.5 HP	02 Poles	60Hz	413766801		10.236	18.897	E
7.5 HP	02 Poles	60Hz	413766759		10.236	18.897	D
10 HP	02 Poles	60Hz	413766756		10.630	19.291	C
10 HP	02 Poles	60Hz	413766755		10.630	19.291	B
10 HP	02 Poles	60Hz	413766330		10.630	19.291	A

Plano de pintura 207N / Painting plan 207N
Forma construtiva B3D / Mounting F-1/B3R(D)

WEG ELECTRIC CORP.

500001146687	ATUALIZADO PLANO DE PINTURA	MENSOR	ODORIZZI	15.03.2016	01			
500001009189	DOCUMENTO NOVO	PATRICKL	EMERSONRH	06.03.2015	00			
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PATRICKL	THREE P. MOTOR TEFC ROLLED STEEL NEMA P. FRAME 213/5T IP55		10003417264				
CHECKED				000 01				
RELEASED	EMERSONRH							
REL DT	06.03.2015	WMO	JARAGUA DO SUL	ENGENHARIA DE PRODUTO	SHEET	1 / 1		

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RELEASED

ZME A3

WEG
NEMA
Premium

MADE IN MEXICO

MAT: 13202800 CC029A

W01.TE0IC0X0N

MODEL 00736ET3E213T-SRT

04NOV2019 S/N:

PH 3 FR 213/5T HP(KW) 7.5(5.5) Hz 60

V 230/460 RPM 3490

A 17.5/8.76 DUTY CONT.

SFA 20.1/10.1 CODE H DES B IP55

SF 1.15 INS CL F AT 80K AMB 40°C ENCL TEFC

PF 0.88 NEMA NOM.EFF. 89.5%

ALT 1000 m.a.s.l. USABLE @ 208V 19.4A SF1.00

ALTERNATE RATING:



Electric Motor

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.

3PT9
UL
C US LISTED
FOR SAFE AREASP®
C US
Energy VerifiedFor 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/MT 1000:1