

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 12630272
 Catalog # : 01018OT3E215T-S

Frame	: 213/5T	Locked rotor time	: 25s (cold) 14s (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	: 27.4-24.8/12.4 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 192-174/86.8 A	Mounting	: F-1
LRC	: 7.0x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 10.3-12.0/5.99 A	Noise level ²	: 59.0 dB(A)
Rated speed	: 1770 rpm	Starting method	: Direct On Line
Slip	: 1.67 %		
Rated torque	: 29.3 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.30 sq.ft.lb		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	90.2	91.0	91.7
Power Factor	0.64	0.77	0.83

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).
 (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



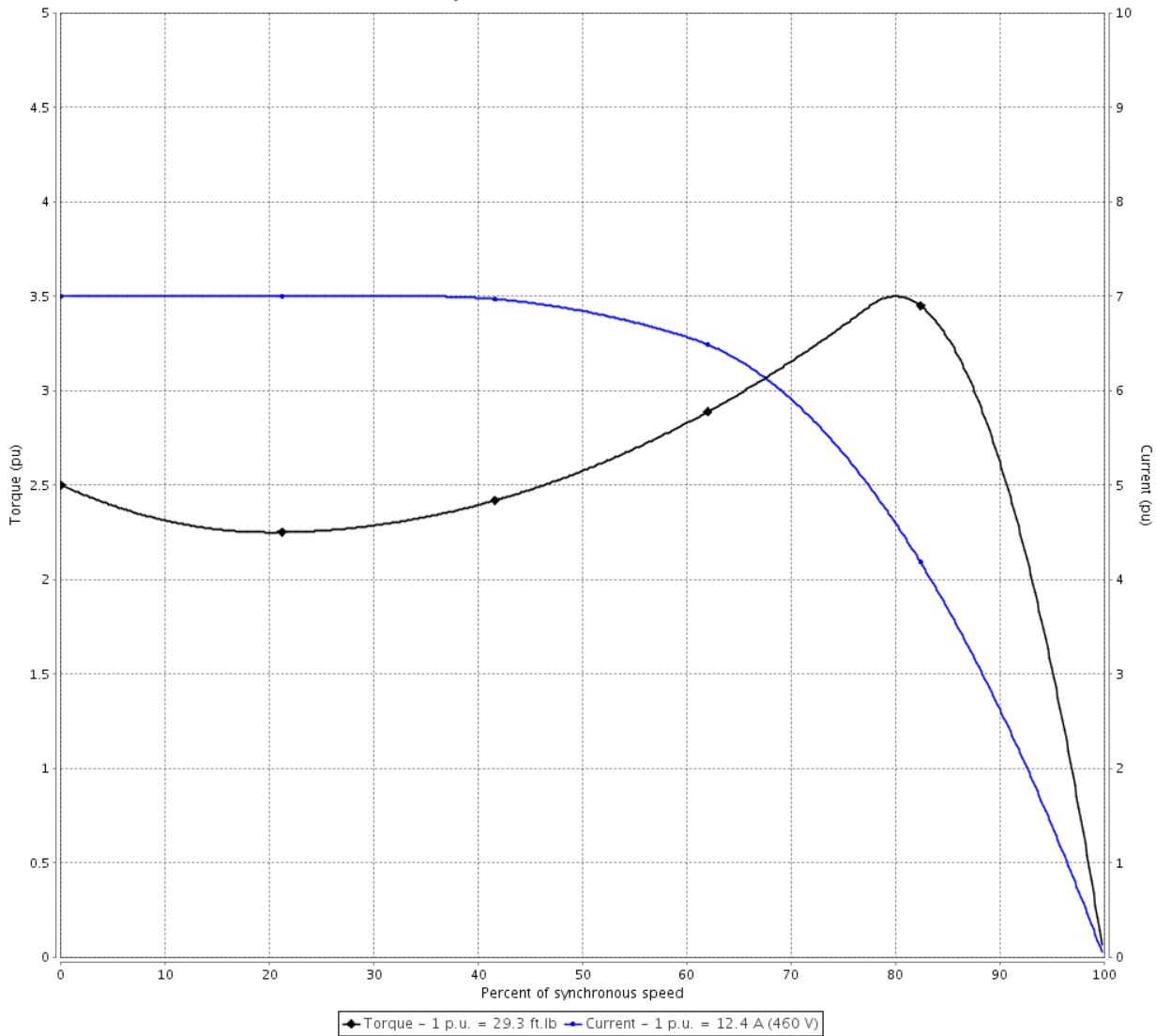
Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12630272

Catalog # : 01018OT3E215T-S

TORQUE AND CURRENT VS SPEED CURVE



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

Rated current	: 27.4-24.8/12.4 A	Moment of inertia (J)	: 1.30 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 29.3 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

Locked rotor time : 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

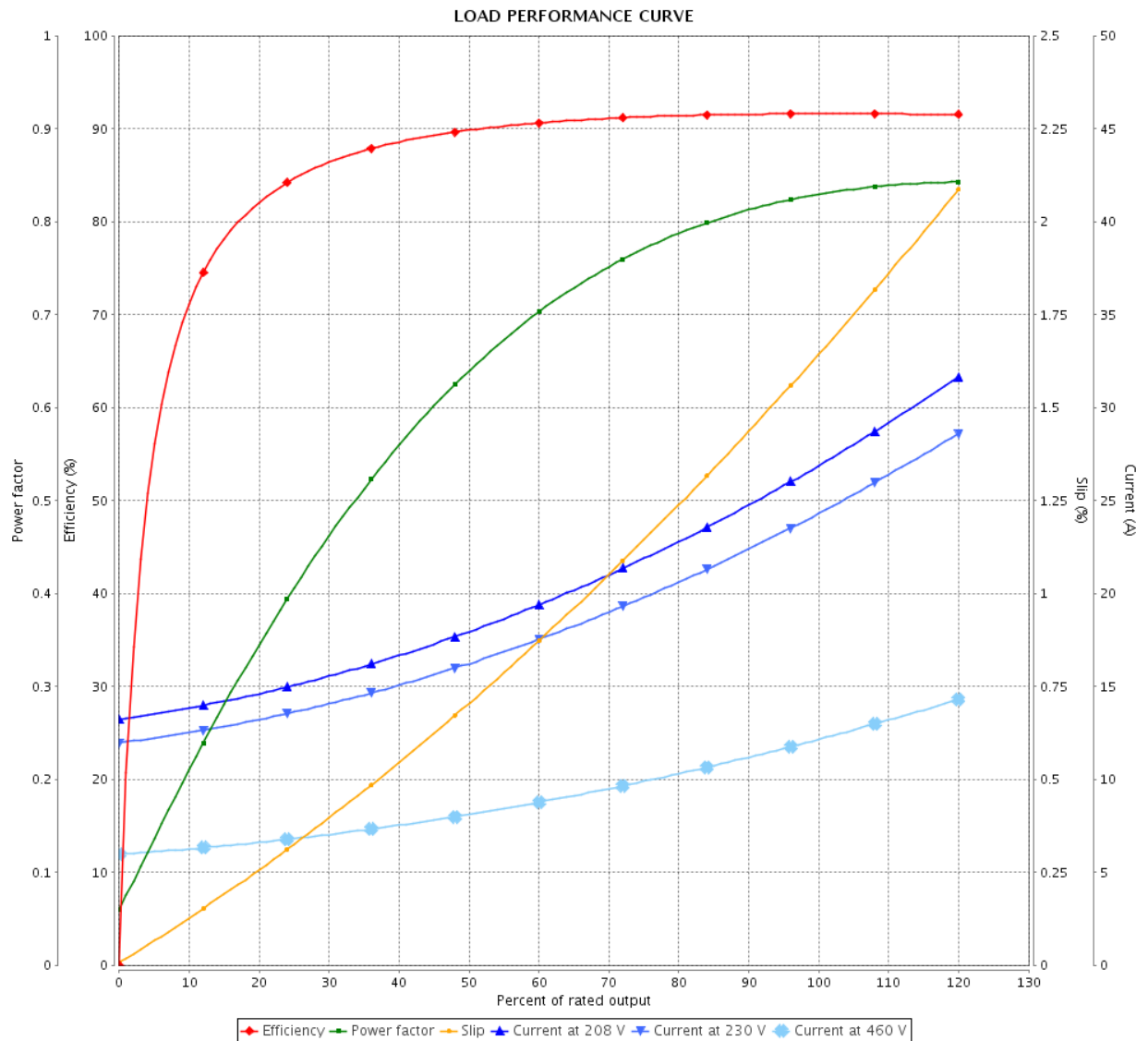


Customer : _____

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12630272

Catalog # : 01018OT3E215T-S



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

Rated current : 27.4-24.8/12.4 A
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 Rated torque : 29.3 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 350 %
 Rated speed : 1770 rpm

Moment of inertia (J) : 1.30 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
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 Design : B

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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

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Efficiency Three-Phase

Product code : 12630272

Catalog # : 01018OT3E215T-S

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

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LRC : 7.0
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Breakdown torque : 350 %
Rated speed : 1770 rpm

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Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

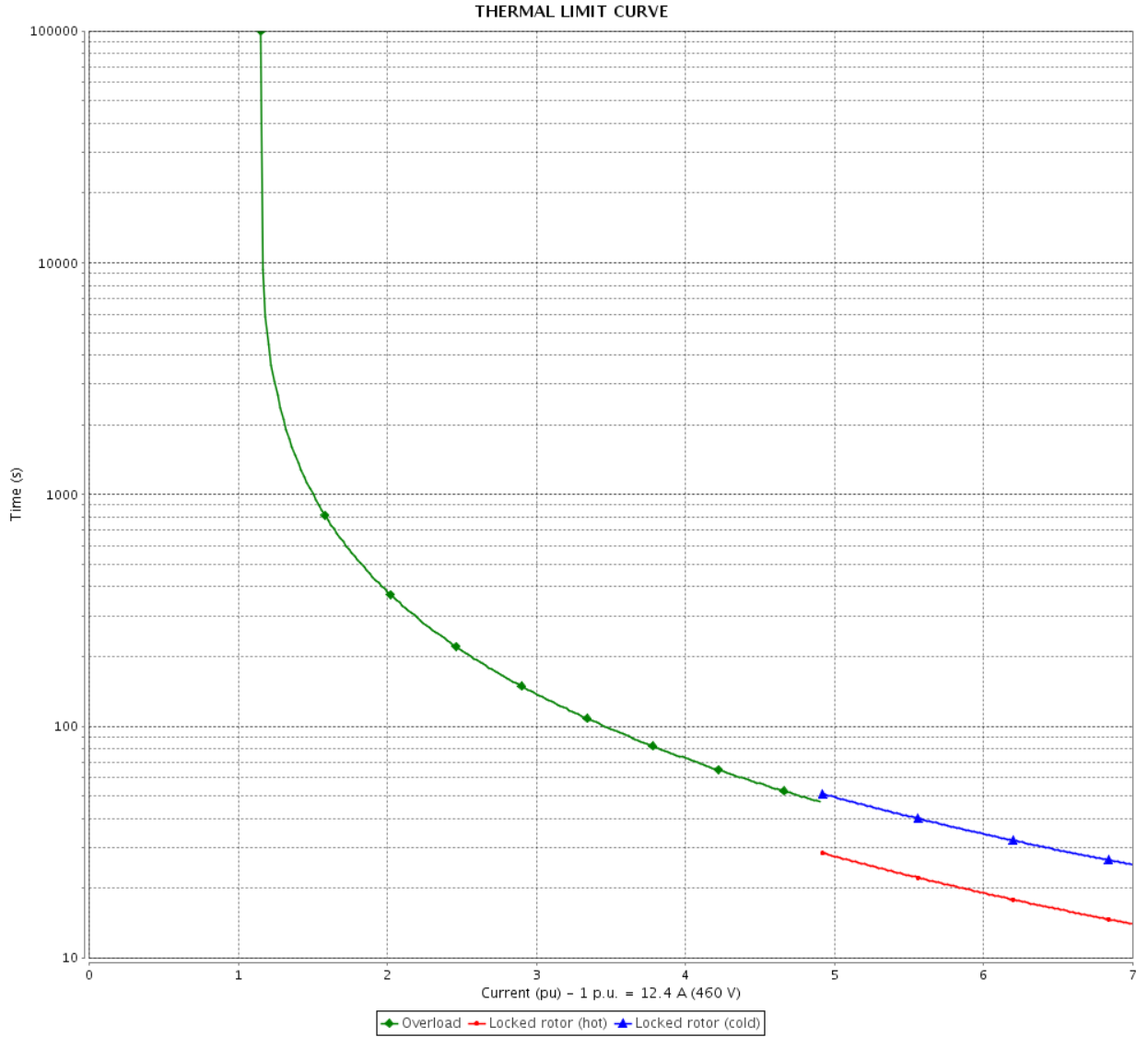
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

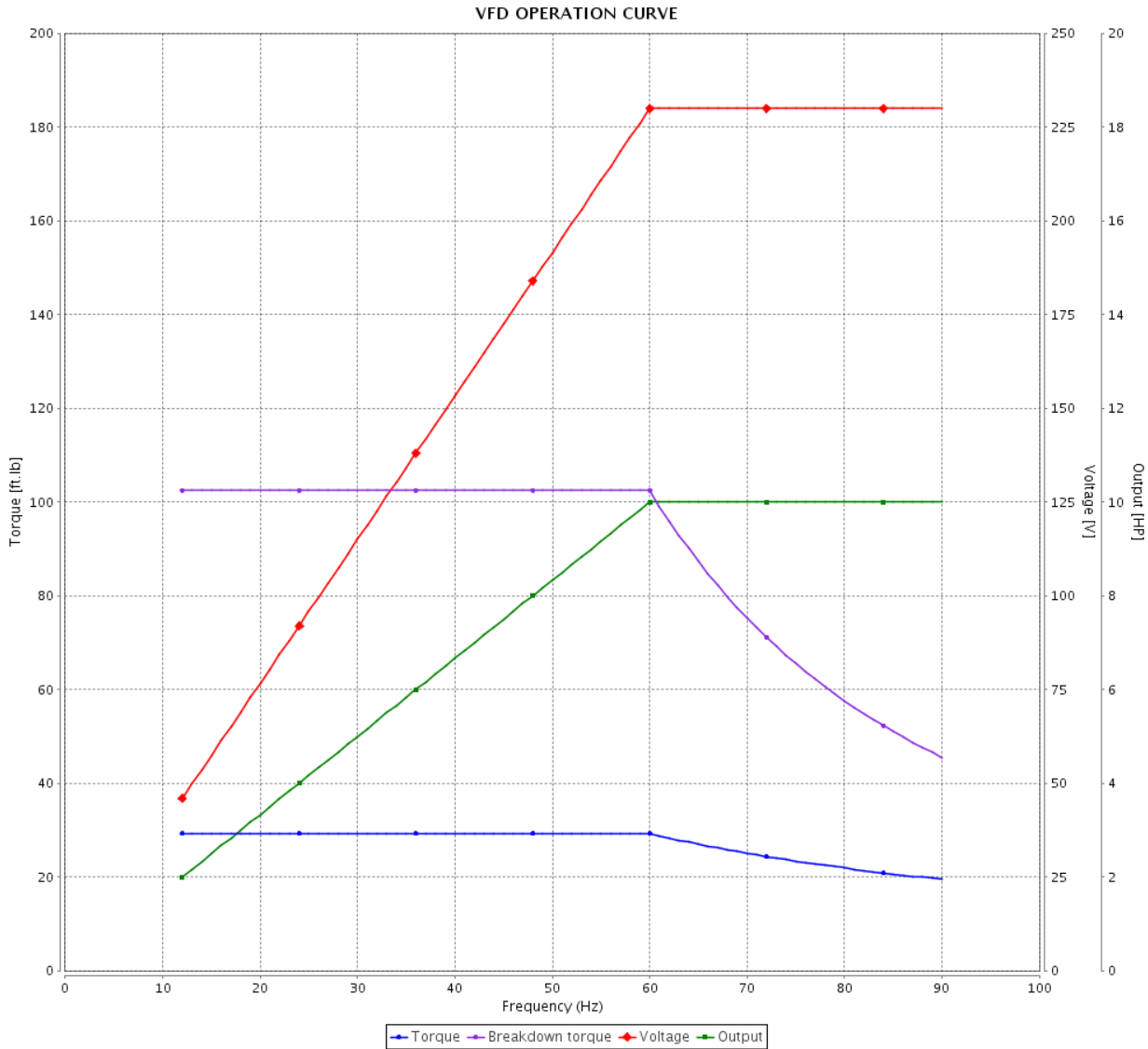


Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12630272

Catalog # : 010180T3E215T-S



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

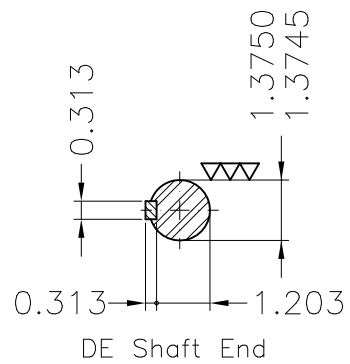
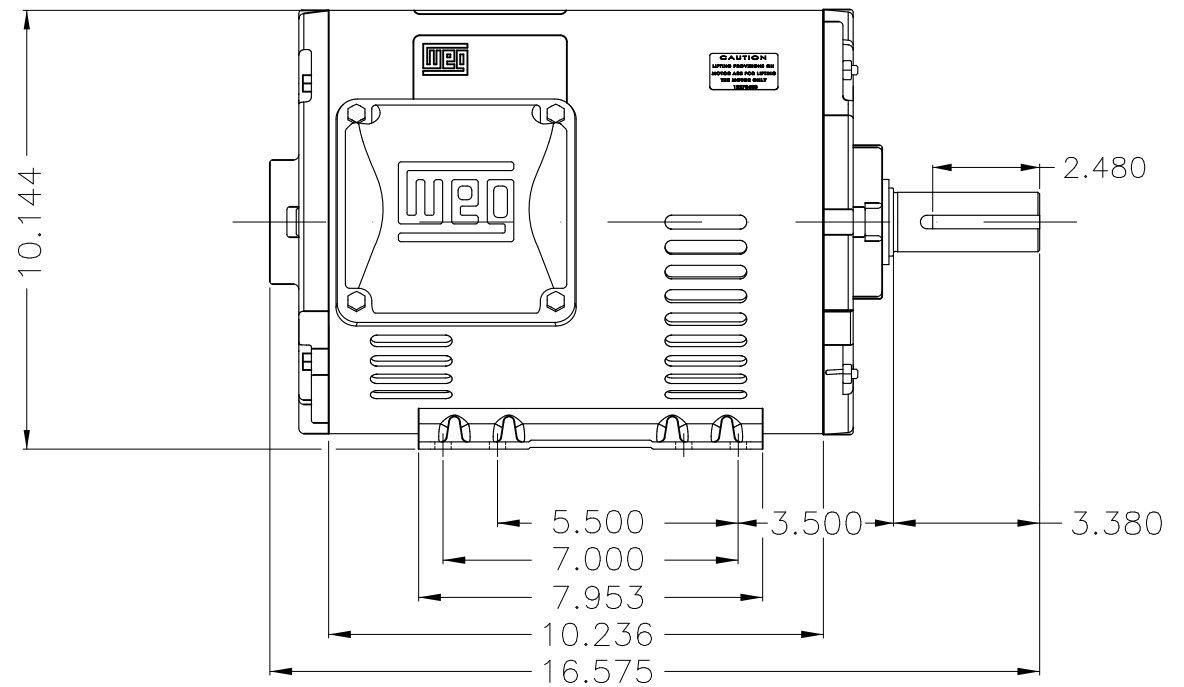
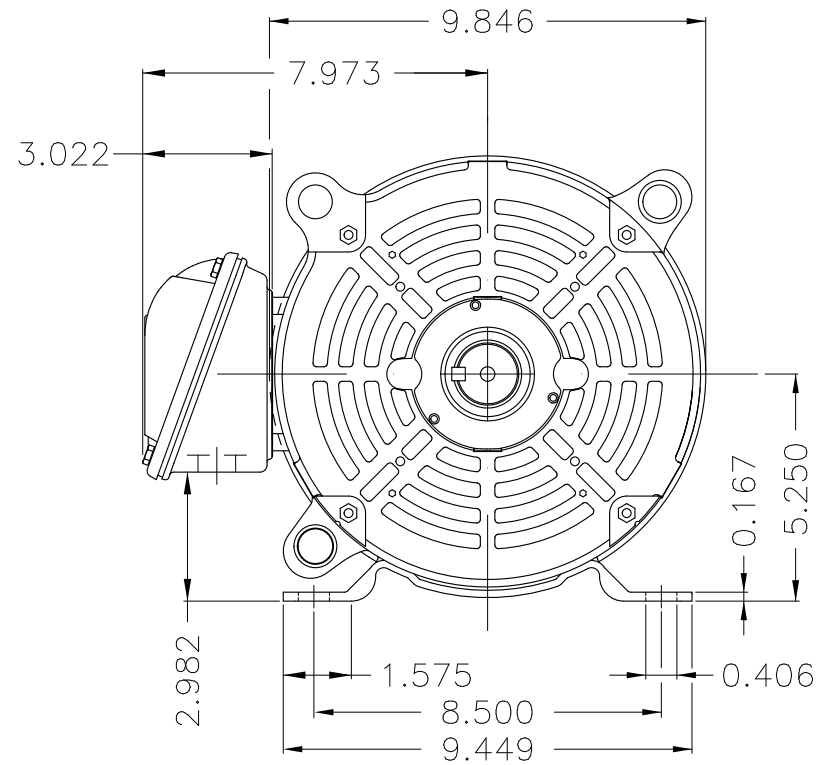
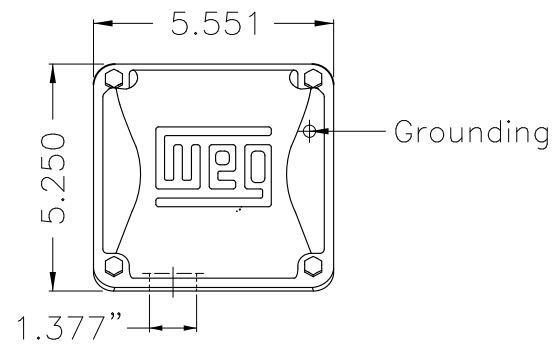
Rated current : 27.4-24.8/12.4 A
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 Rated torque : 29.3 ft.lb
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Dimensões em polegada
Dimensions in inches

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



Color Munsell N 1 matte black
Painting plan 207N
Mounting F-1/B3R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE ODP ROLLED STEEL NEMA PREM.					
CHECKED		FRAME 213/5T ODP					
RELEASED		WEG code: 12630272					
REL DT	07.12.2017	WMO Jaragua do Sul	Product Engineering	SHEET	1 / 1		

10 HP 04 Poles 60Hz

A

