DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Rolled Steel Three-Phase	Product code :	12809660
		Catalog # :	00118OT3E56-S

Frame	: 56
Output	: 1 HP (0.75 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 208-230/460 V
Rated current	: 3.47-3.14/1.57 A
L. R. Amperes	: 26.4-23.9/11.9 A
LRC	: 7.6x(Code L)
No load current	: 1.90-2.20/1.10 A
Rated speed	: 1760 rpm
Slip	: 2.22 %
Rated torque	: 2.94 ft.lb
Locked rotor torque	: 280 %
Breakdown torque	: 320 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.0842 sq.ft.lb
Design	: A

Locked rotor time	: 30s (cold) 17s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation¹	: Both (CW and CCW)
Noise level²	: 52.0 dB(A)
Starting method	: Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	77.3	78.5	82.5	83.5
Power Factor	0.27	0.49	0.63	0.72

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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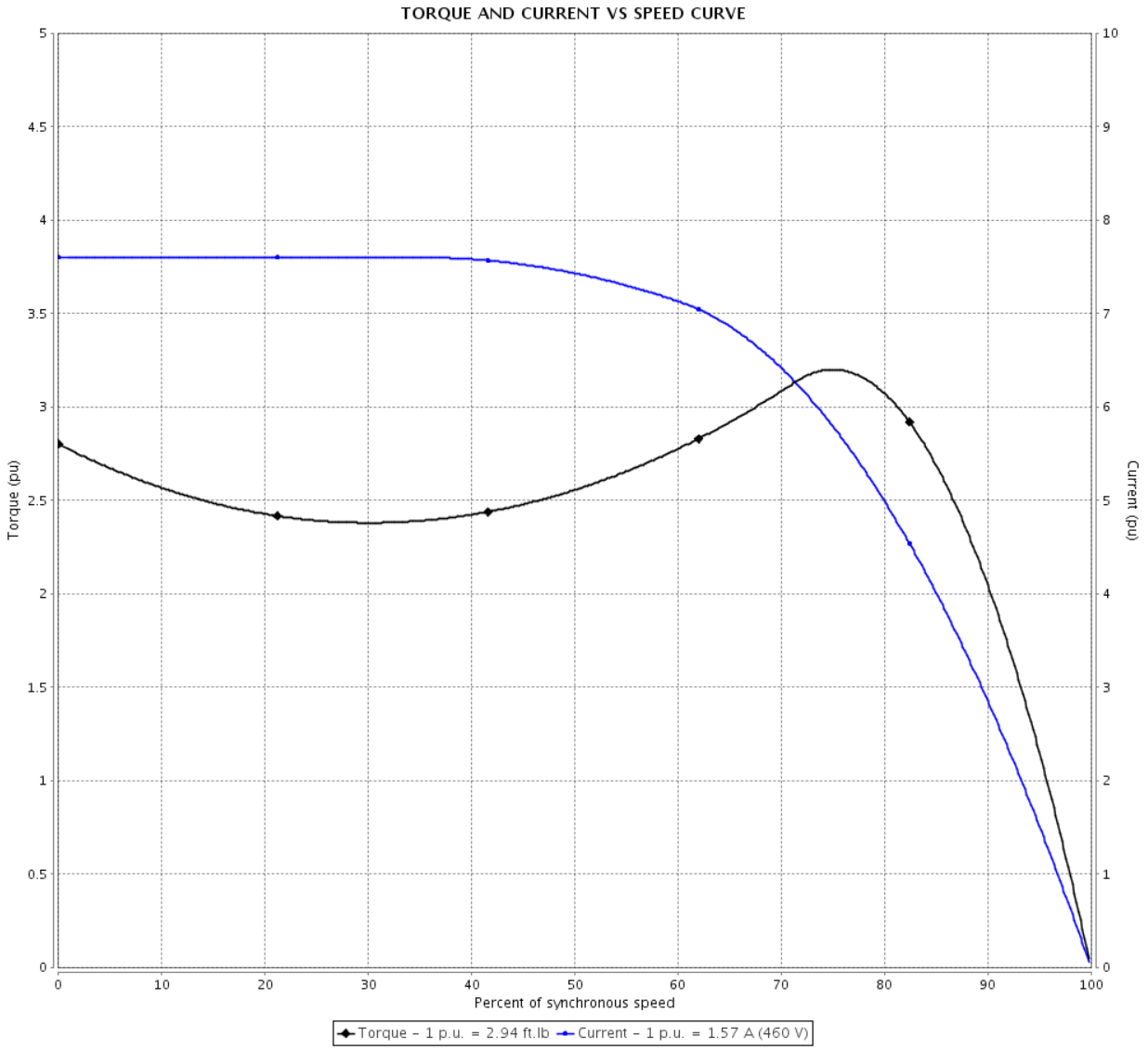
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Rolled Steel Three-Phase	Product code : Catalog # :	12809660 00118OT3E56-S



Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 3.47-3.14/1.57 A	Moment of inertia (J)	: 0.0842 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 2.94 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A
Locked rotor time	: 30s (cold) 17s (hot)		

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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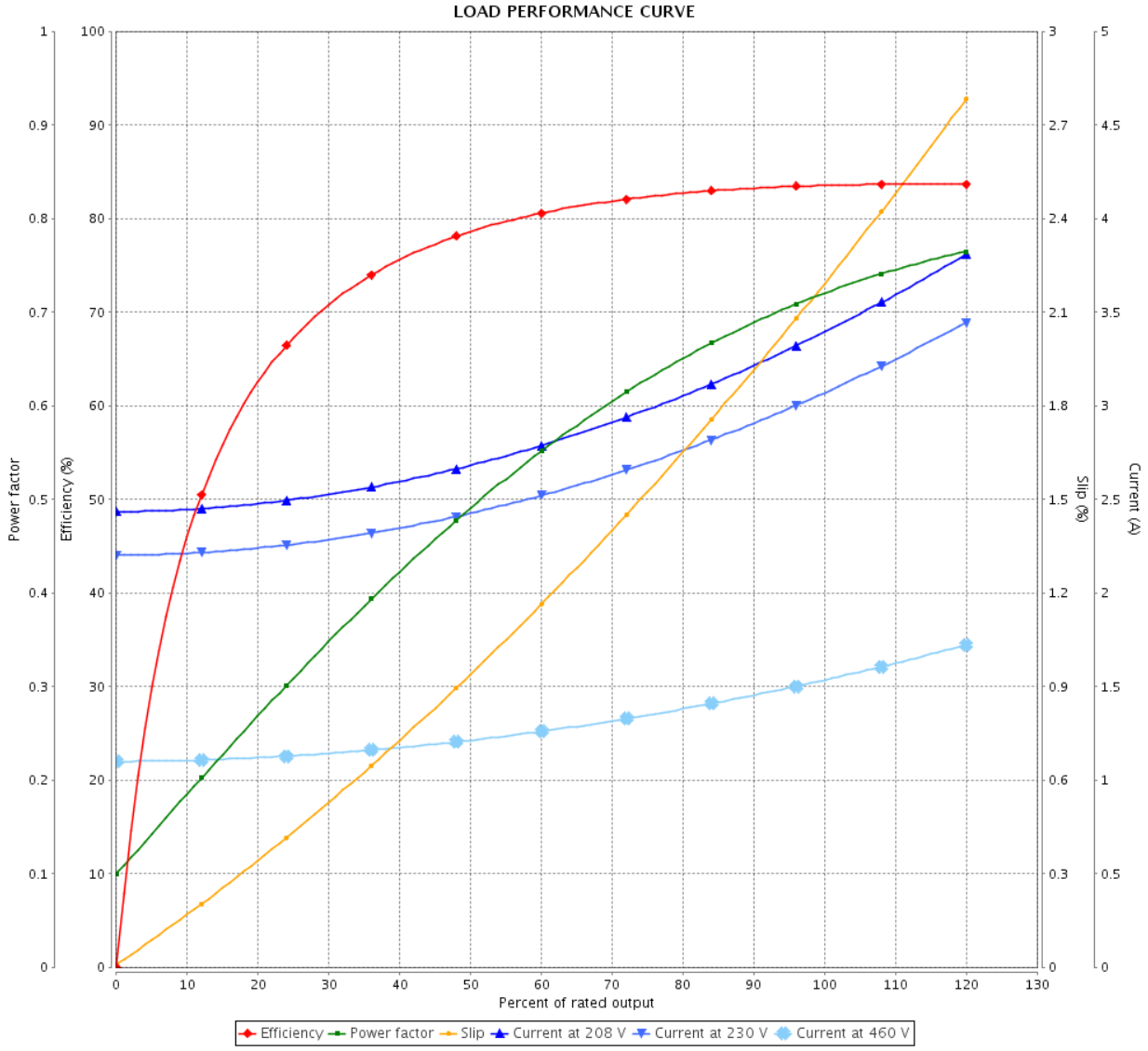
		Catalog # :	00118OT3E56-S



Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 3.47-3.14/1.57 A	Moment of inertia (J)	: 0.0842 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 2.94 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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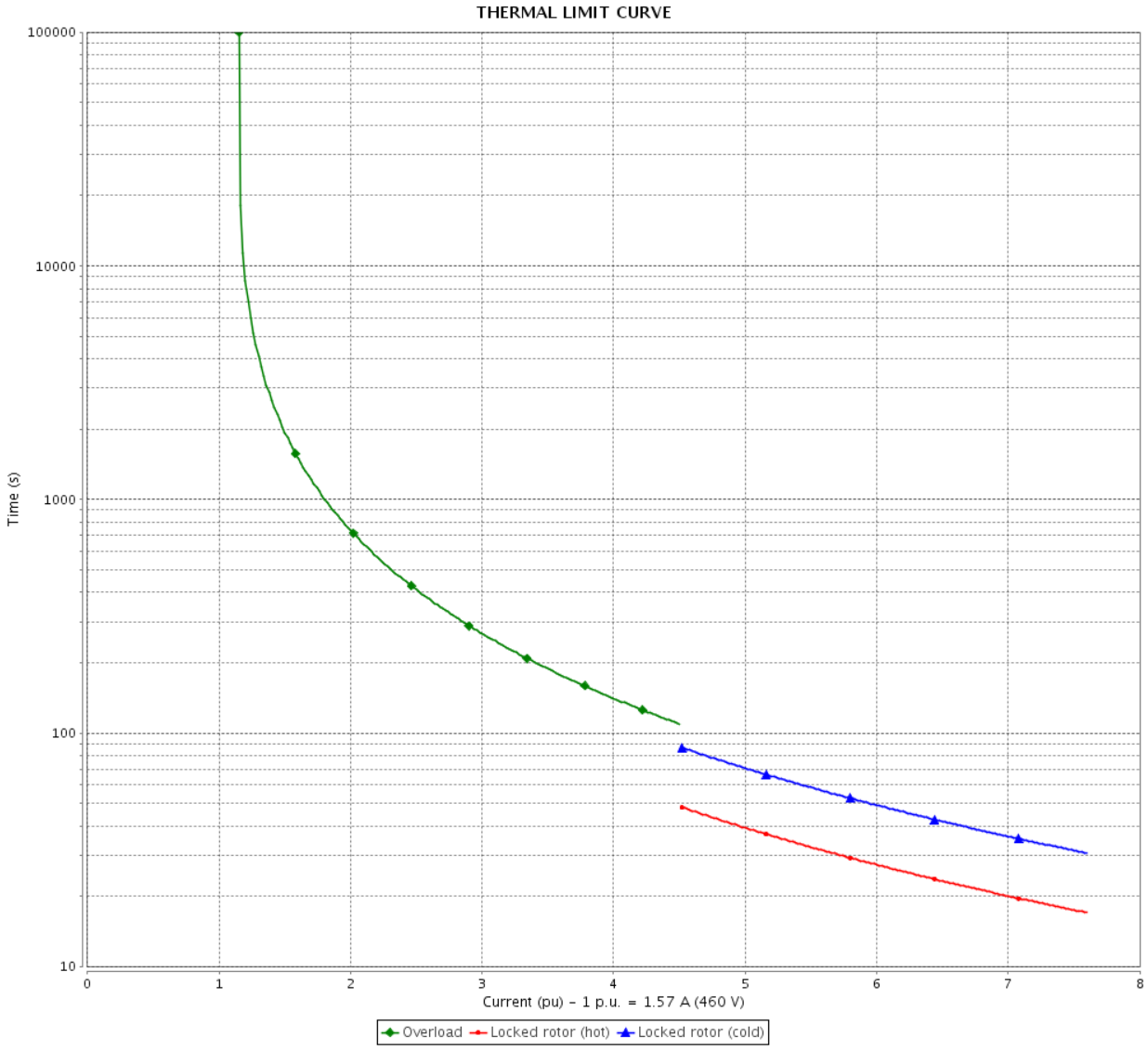

Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 3.47-3.14/1.57 A	Moment of inertia (J)	: 0.0842 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 2.94 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A
Heating constant			
Cooling constant			

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

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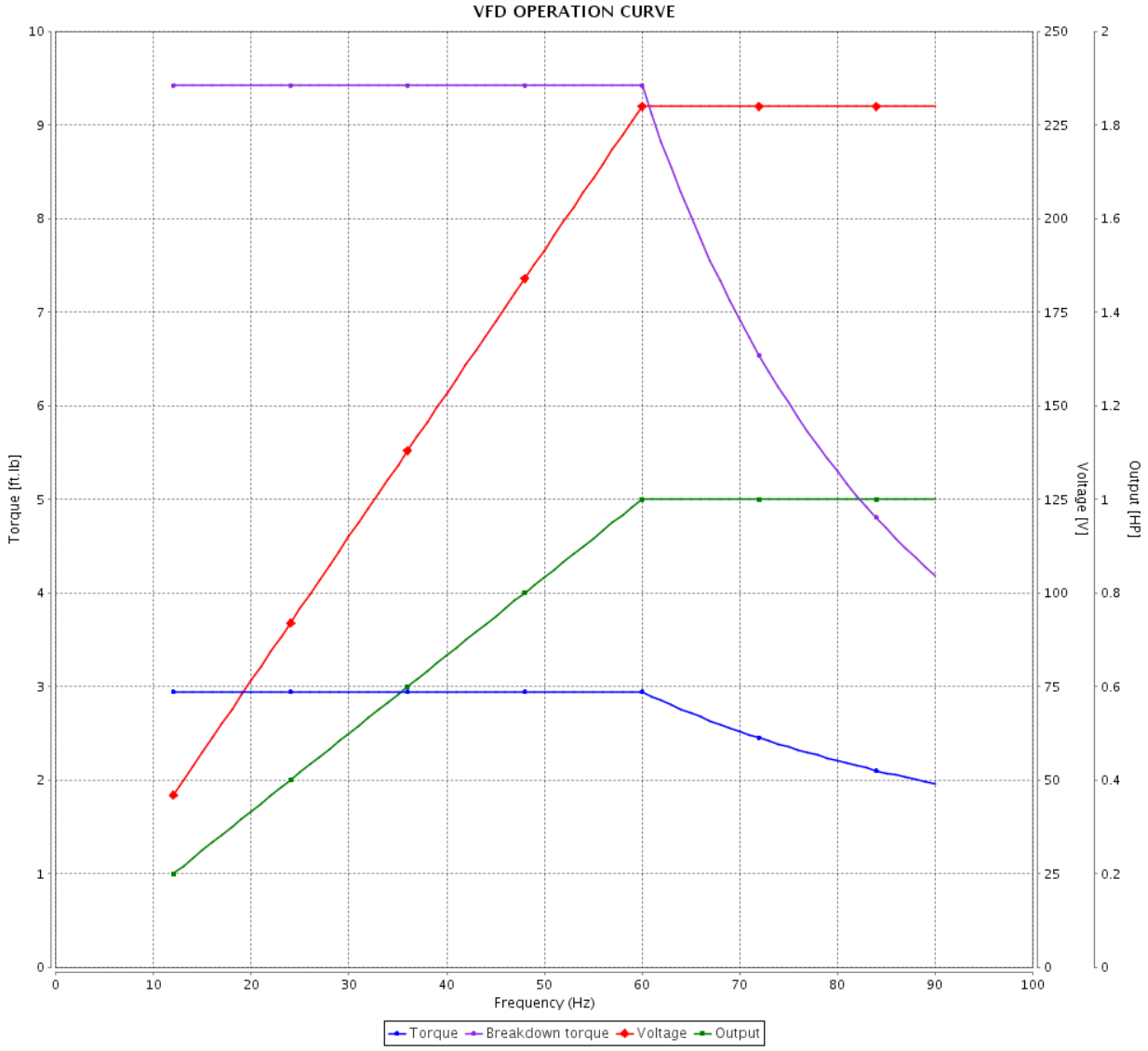
		Catalog # :	00118OT3E56-S



Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 3.47-3.14/1.57 A	Moment of inertia (J)	: 0.0842 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 2.94 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A

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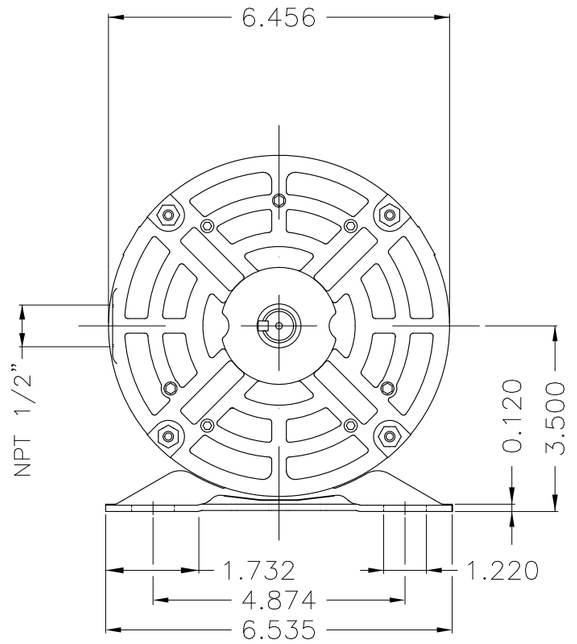
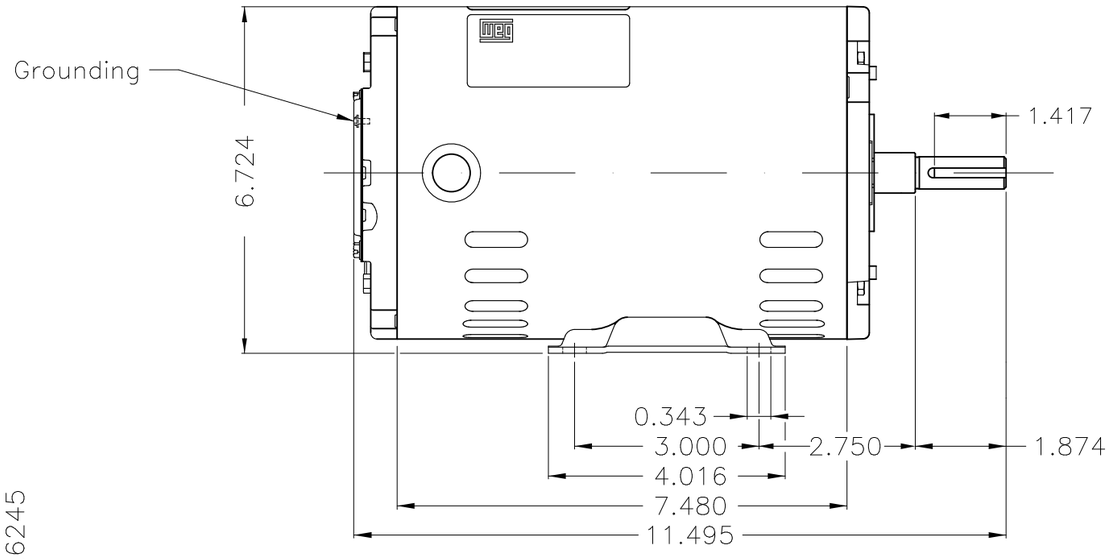
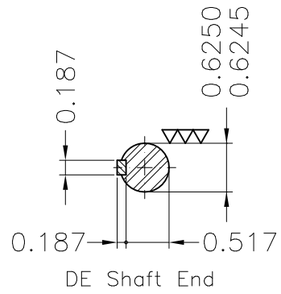
Dimensões em polegada
Dimensions in inches

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







Without coating
Mounting F-1/B3R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	USERADMIN	THREE PHASE ODP ROLLED STEEL PREM. EFF.		
CHECKED		FRAME 56 ODP		
RELEASED		WEG code: 12809660		
REL DT	05.11.2017	WMO Jaraguá do Sul Product Engineering	SHEET	1 / 1

1 HP 04 Poles 60Hz

A

ZME A3