DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: Dealers Industrial Equipment 800-469-3110
Customer reference	: 25036OP3HFP445TS-W40

Product line	: W40 High Efficiency Three-Phase	Product code :	14282975
		Catalog # :	25036OP3HFP445TS-W40

Frame	: 444/5TS	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 250 HP (185 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 226 A	Protection degree	: IP23
L. R. Amperes	: 1444 A	Cooling method	: IC01 - ODP
LRC	: 6.4x(Code G)	Mounting	: F-1
No load current	: 68.0 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3570 rpm	Starting method	: Direct On Line
Slip	: 0.83 %	Approx. weight[3]	: 1405 lb
Rated torque	: 363 ft.lb		
Locked rotor torque	: 130 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 23.8 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	93.5	93.6	94.5	94.5
Power Factor	0.53	0.77	0.84	0.87

Foundation loads

Max. traction	: 1454 lb
Max. compression	: 2859 lb

		Drive end	Non drive end
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	14418 h	20000 h
Lubricant amount	:	27 g	13 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

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LOAD PERFORMANCE CURVE

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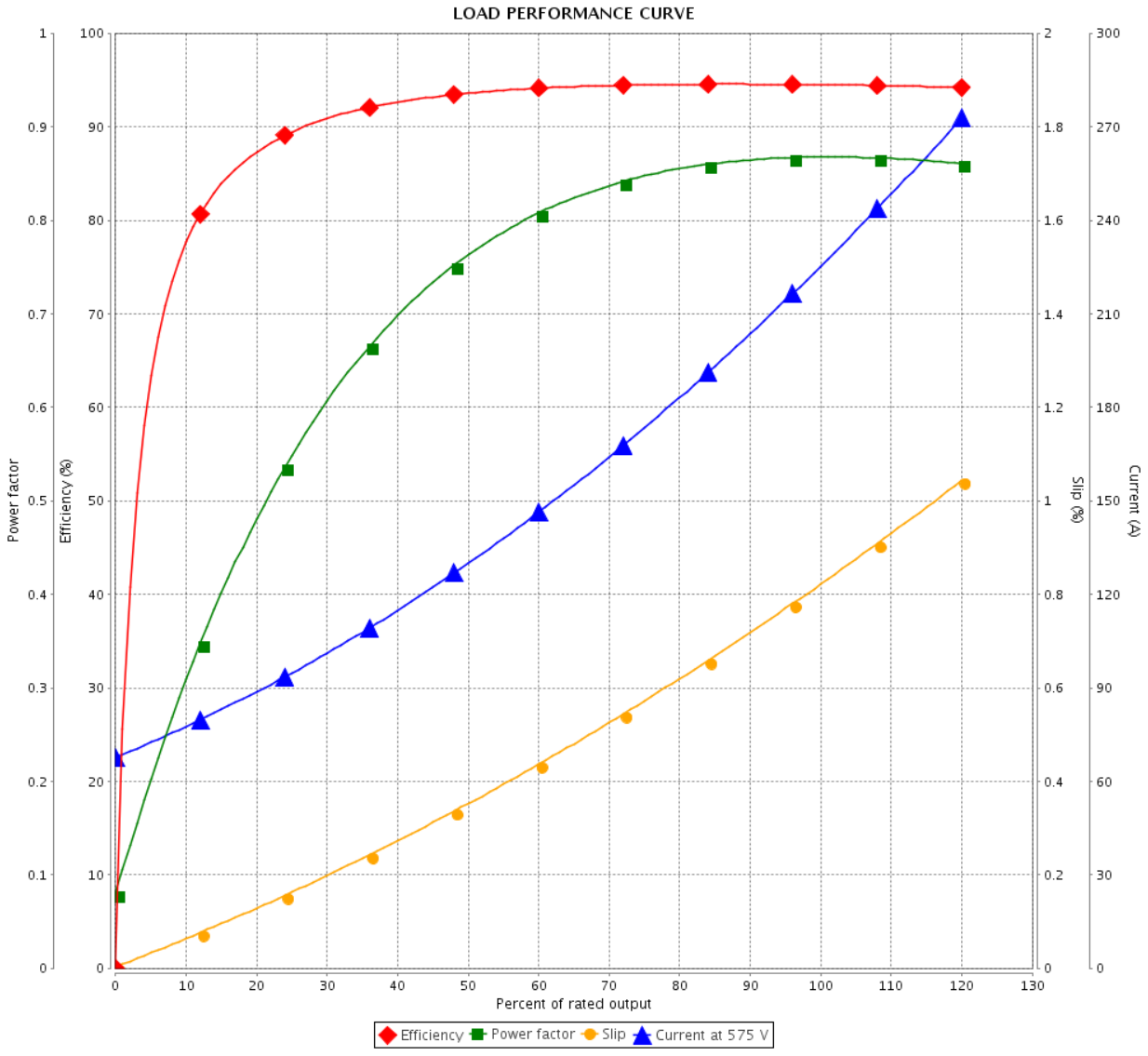

Performance	: 575 V 60 Hz 2P

Rated current	: 226 A	Moment of inertia (J)	: 23.8 sq.ft.lb
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 363 ft.lb	Insulation class	: F
Locked rotor torque	: 130 %	Service factor	: 1.15
Breakdown torque	: 220 %	Temperature rise	: 105 K
Rated speed	: 3570 rpm	Design	: B

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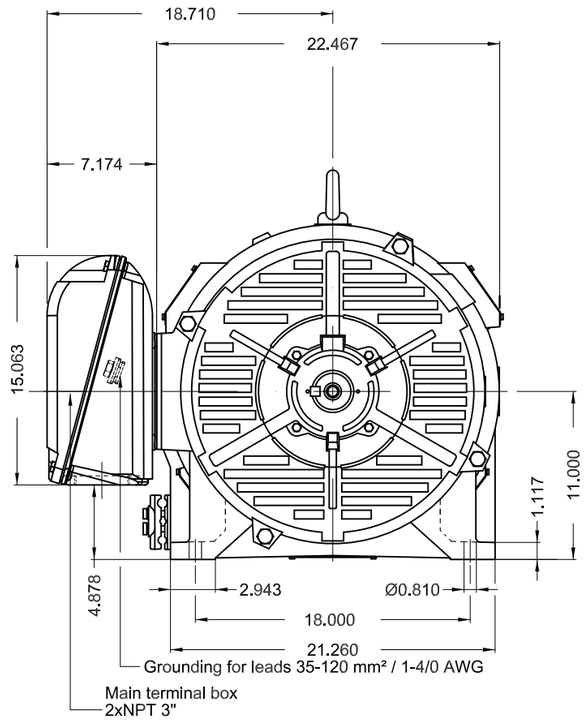
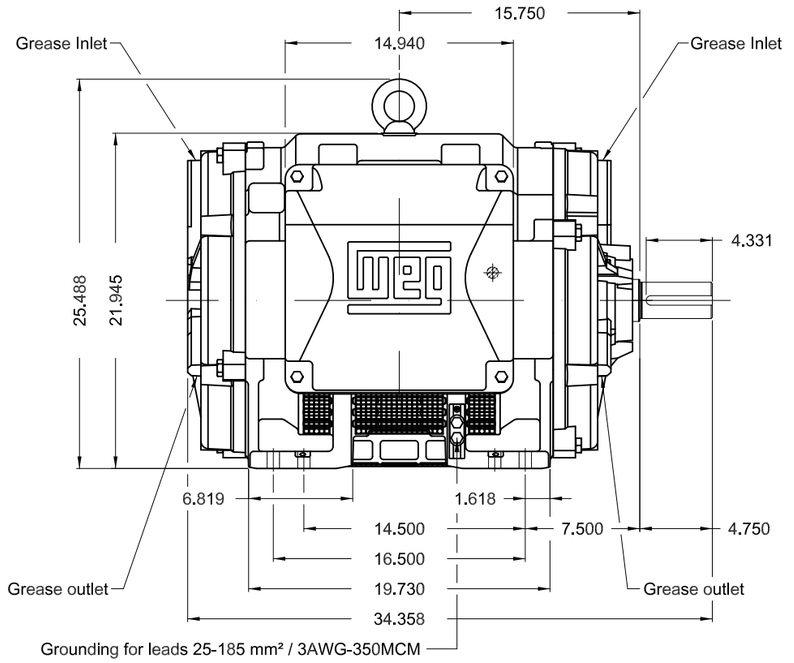
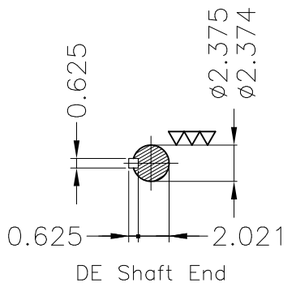
Dimensões em polegada
Dimensions in inches

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







Color RAL 3002
Painting plan 203A
Mounting B3R(D)

SCALE 1:10

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	USERADMIN	THREE PHASE W40 MOTOR HIGH EFF			
CHECKED		FRAME 444/5TS IP23 ODP			
RELEASED		WEG code: 14282975			
REL DT	16.04.2019	WMO Jaragua do Sul Product Engineering	SHEET	1 / 1	

250 HP 02 Poles 60Hz

A

ZME A3