DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: Dealers Industrial Equipment 800-469-3110
Customer reference	: 02536OT3E256TF2-W40

Product line	: W40 NEMA Premium Efficiency Three-Phase	Product code :	14492693
		Catalog # :	02536OT3E256TF2-W40

Frame	: 254/6T	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 25 HP (18.5 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	: 63.7-57.6/28.8 A	Protection degree	: IP23
L. R. Amperes	: 414-374/187 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-2
No load current	: 14.7-17.0/8.50 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3535 rpm	Starting method	: Direct On Line
Slip	: 1.81 %	Approx. weight[3]	: 237 lb
Rated torque	: 36.6 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 1.13 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	90.8	91.0	91.7	91.7
Power Factor	0.53	0.77	0.85	0.88

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6209 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	9 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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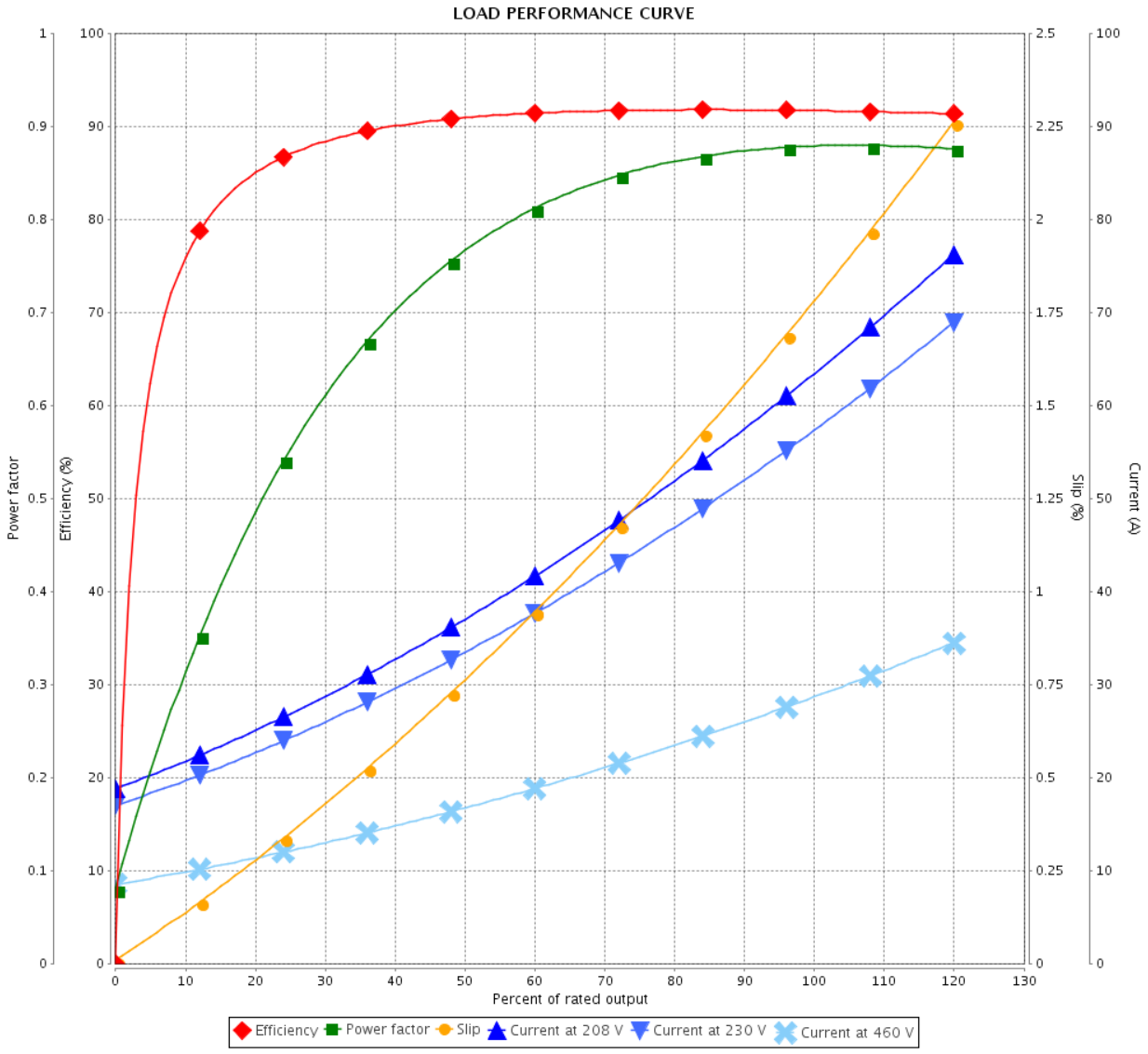

Performance	: 208-230/460 V 60 Hz 2P		
Rated current	: 63.7-57.6/28.8 A	Moment of inertia (J)	: 1.13 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 36.6 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

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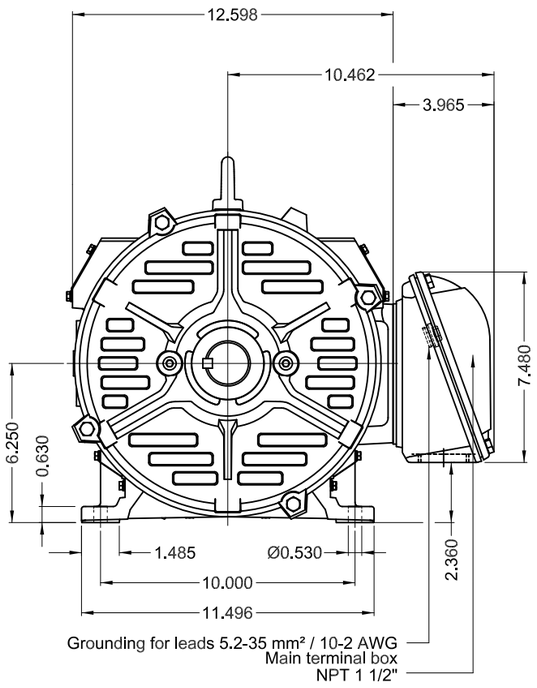
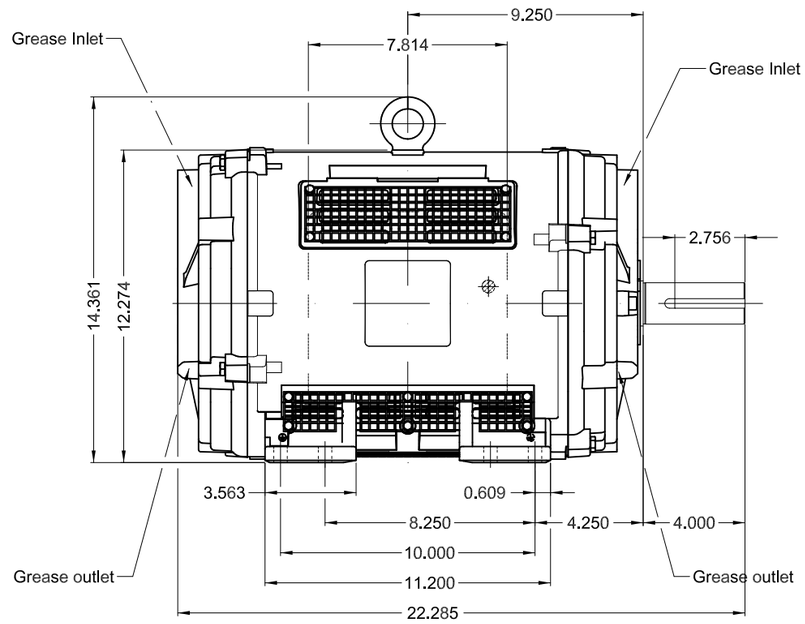
Dimensões em polegada
Dimensions in inches

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





Color RAL 5009
Painting plan 203A
Mounting B3L(E)

					SCALE	1:6	
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	USERADMIN	THREE PHASE W40 MOTOR NEMA PREMIUM EFF		
CHECKED		FRAME 254/6T IP23 ODP		
RELEASED		WEG code: 14492693		
REL DT	14.04.2019	WMO Jaragua do Sul Product Engineering	SHEET	1 / 1

25 HP 02 Poles 60Hz

A3 ZME