DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: Dealers Industrial Equipment 800-469-3110
Customer reference	: 04018OP3VFP324TS-W40

Product line	: W40 High Efficiency Three-Phase	Product code :	14490814
		Catalog # :	04018OP3VFP324TS-W40

Frame	: 324TS	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 105 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 111/55.4 A	Protection degree	: IP23
L. R. Amperes	: 665/333 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 41.4/20.7 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1775 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight[3]	: 437 lb
Rated torque	: 117 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 5.37 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	92.2	92.4	93.0	93.0
Power Factor	0.46	0.72	0.81	0.84

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6312 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	21 g	11 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

Performed by				
Checked by			Page	Revision
Date	14/04/2019		1 / 2	

LOAD PERFORMANCE CURVE

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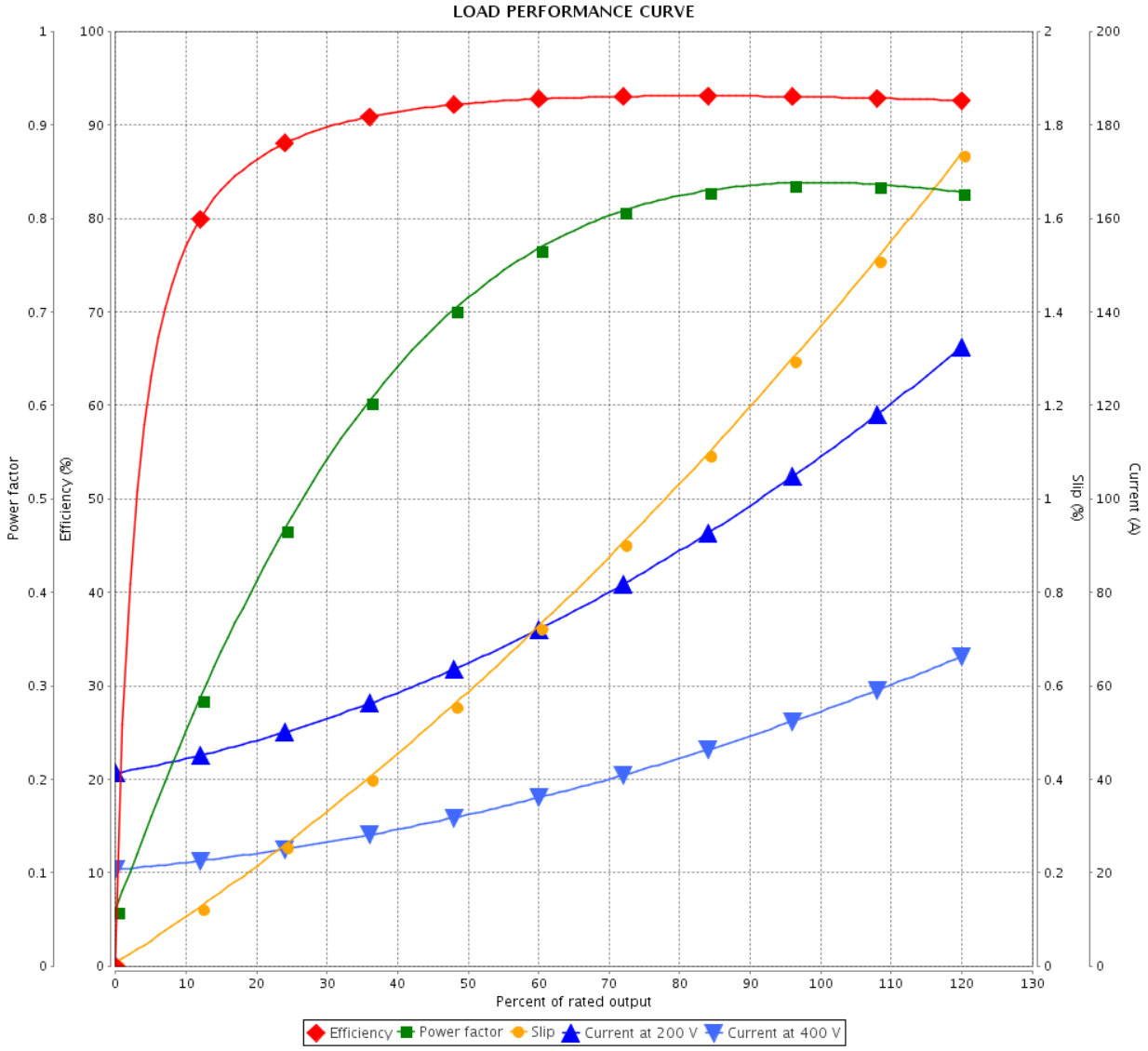

Performance	: 200/400 V 60 Hz 4P

Rated current	: 111/55.4 A	Moment of inertia (J)	: 5.37 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 117 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 1775 rpm	Design	: B

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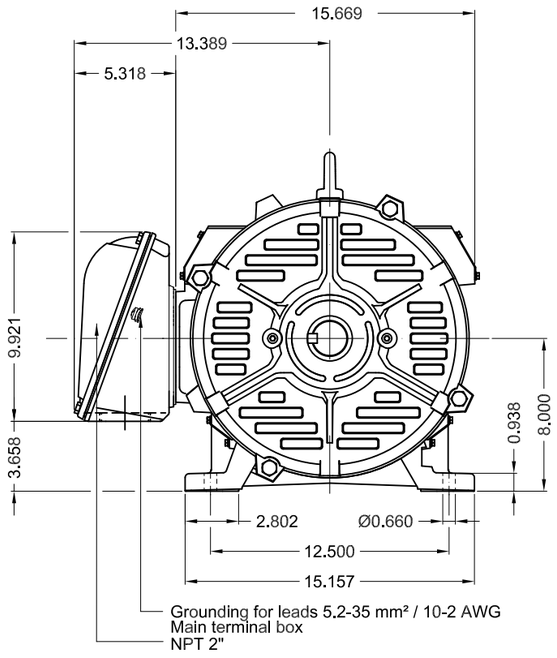
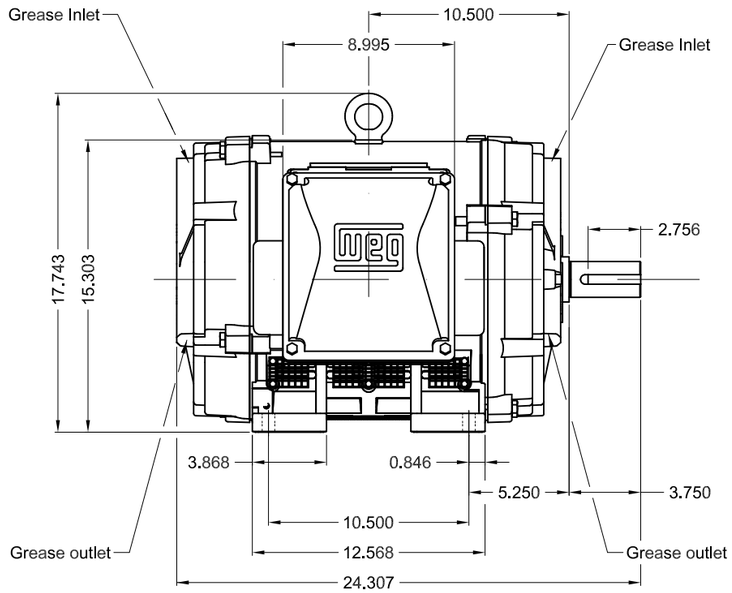
Performed by				
Checked by			Page	Revision
Date	14/04/2019		2 / 2	

Dimensões em polegada
Dimensions in inches

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





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

					SCALE	1:8	
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	USERADMIN	THREE PHASE W40 MOTOR HIGH EFF			
CHECKED		FRAME 324TS IP23 ODP			
RELEASED		WEG code: 14490814			
REL DT	14.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET 1 / 1

40 HP 04 Poles 60Hz

A

ZME A3