

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
 Customer reference : 05018OP3VFP326TS-W40

Product line : W40 High Efficiency Three-Phase      Product code : 14490963  
 Catalog # : 05018OP3VFP326TS-W40

Frame	: 324/6TS	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 50 HP (37 kW)	Temperature rise	: 80 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	: 138/69.2 A	Protection degree	: IP23
L. R. Amperes	: 831/415 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 61.6/30.8 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1775 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight <sup>3</sup>	: 472 lb
Rated torque	: 146 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 5.98 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction
Power Factor	0.41	0.67	0.78	0.83	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
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  
 downloaded from <http://dealerselectric.com>

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	

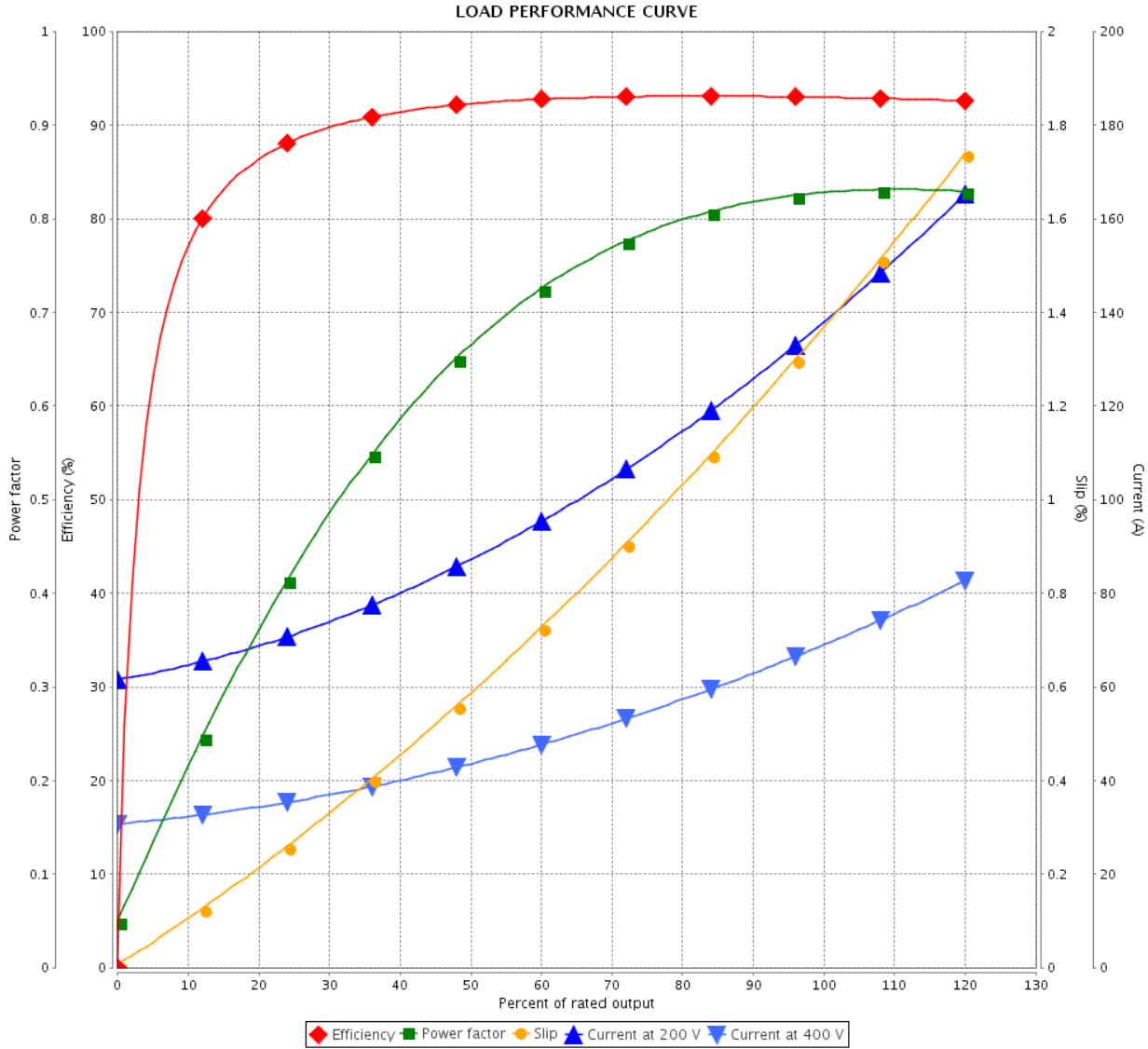
# LOAD PERFORMANCE CURVE



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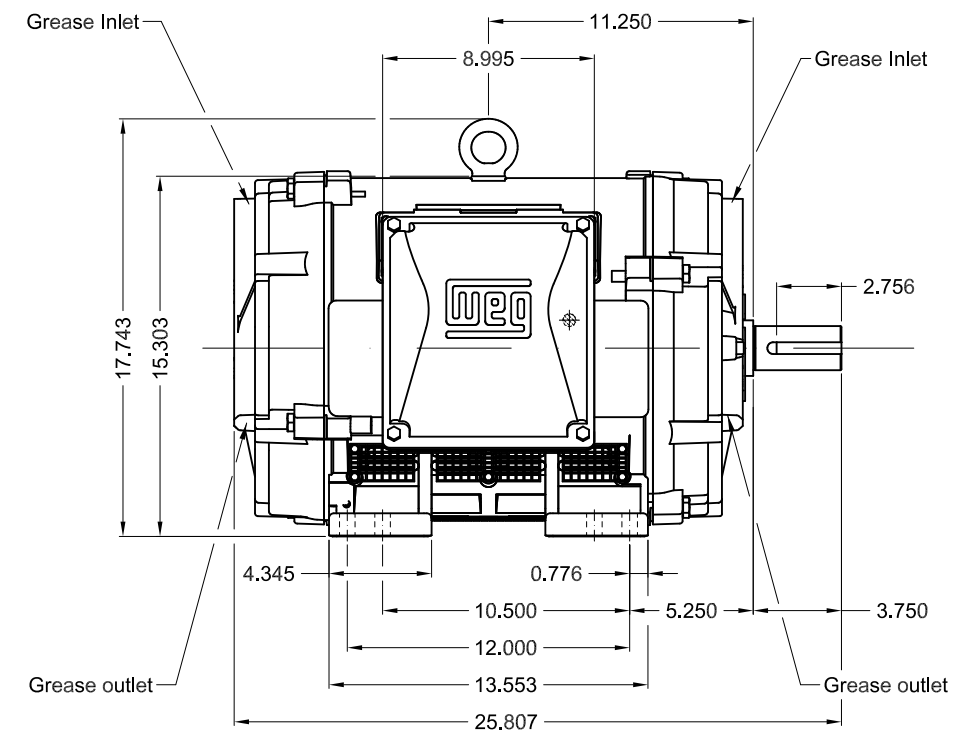
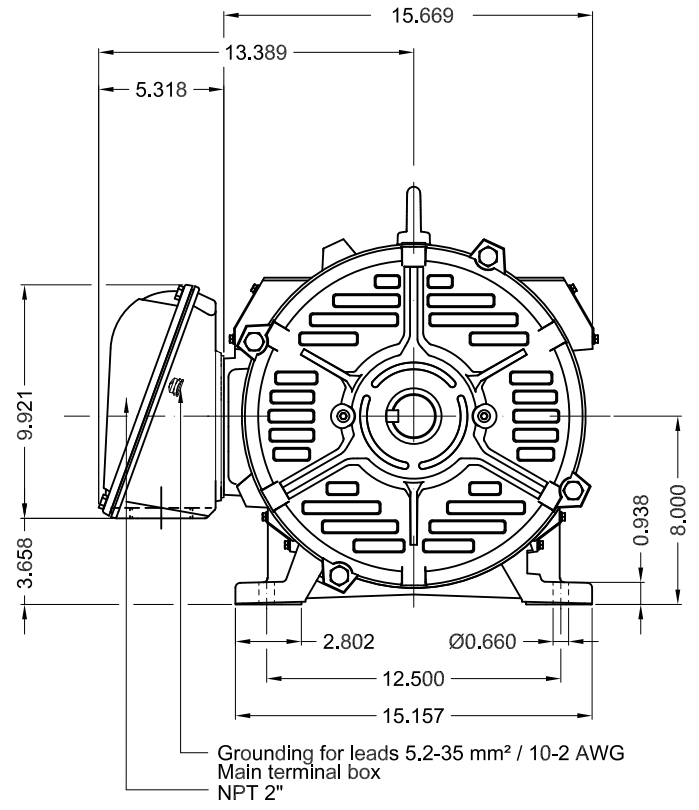
Performance : 200/400 V 60 Hz 4P

Rated current : 138/69.2 A	Moment of inertia (J) : 5.98 sq.ft.lb
LRC : 6.0	Duty cycle : Cont.(S1)
Rated torque : 146 ft.lb	Insulation class : F
Locked rotor torque : 240 %	Service factor : 1.15
Breakdown torque : 229 %	Temperature rise : 80 K
Rated speed : 1775 rpm	Design : B

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

Dimensões em polegada  
Dimensions in inches

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



TS shaft end						SCALE		1:8		
Color RAL 3002										
Painting plan 203A										
Mounting B3R(D)										
ECM		LOC		SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED		USERADMIN		THREE PHASE W40 MOTOR HIGH EFF						
CHECKED				FRAME 324/6TS IP23 ODP						
RELEASED				WEG code: 14490963						
REL DT		14.04.2019		WMO Jaragua do Sul		Product Engineering	SHEET	1 / 1		

50 HP 04 Poles 60Hz

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