

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 14830324

Product line : W40 JP Pump High Efficiency Three-Phase Product code : 14830324
Catalog # : 040180P3VFP324JPV-W4

Frame	: 324/6JP	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 40 HP (30 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	: 111/55.4 A	Protection degree	: IP23
L. R. Amperes	: 665/333 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: W-6
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	: 459 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%	Foundation loads
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction
Power Factor	0.46	0.72	0.81	0.84	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		Page Revision 1 / 2		
Checked by				
Date	16/04/2019			

LOAD PERFORMANCE CURVE

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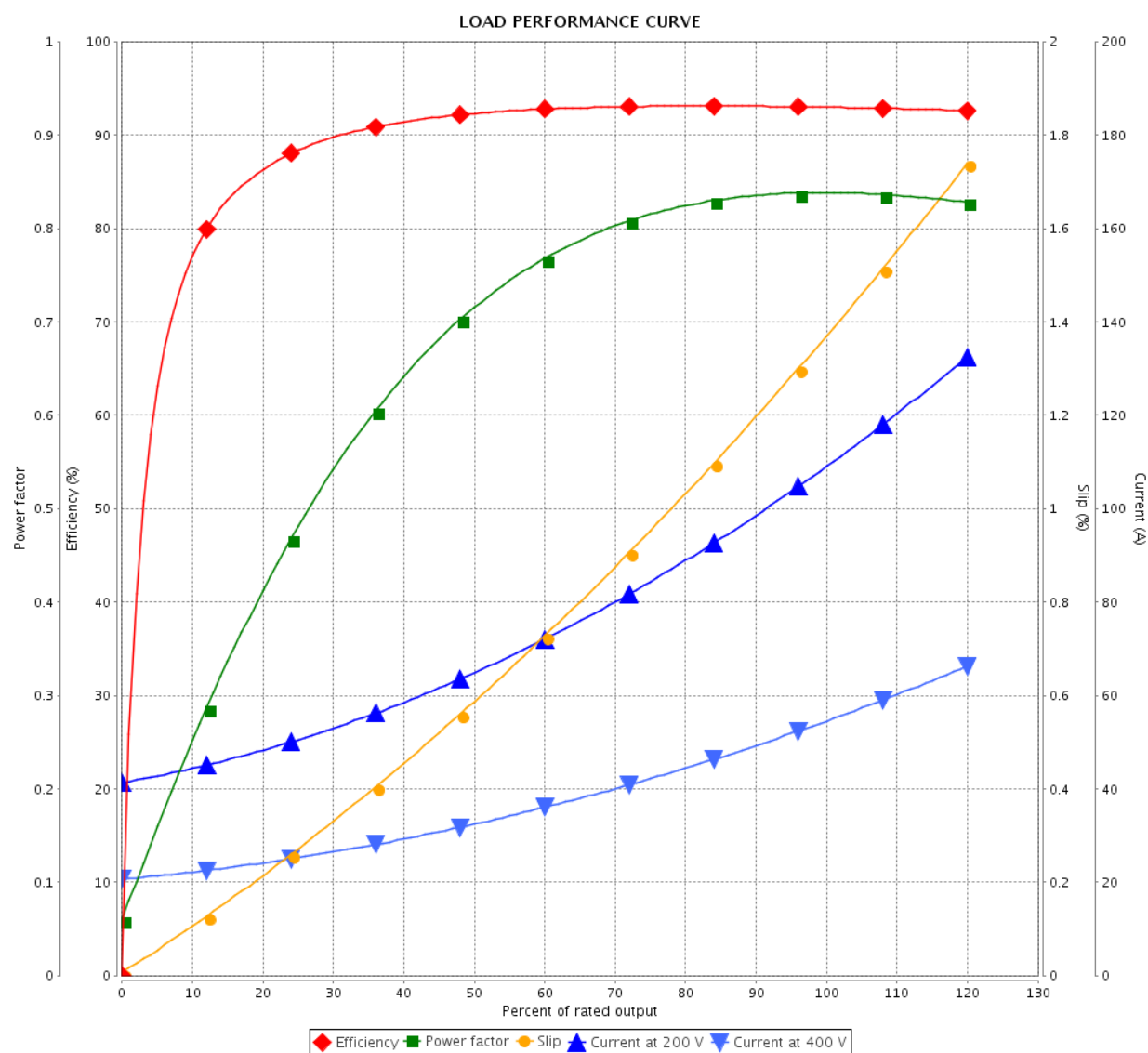


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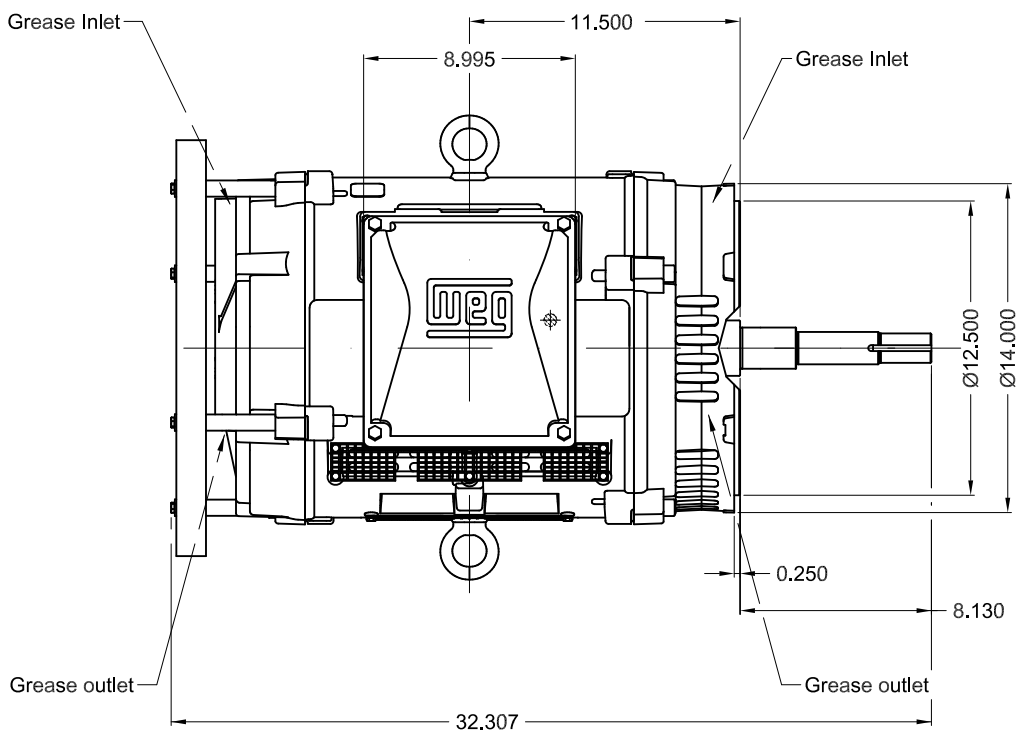
Performance : 200/400 V 60 Hz 4P

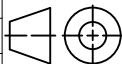

Rated current : 111/55.4 A
LRC : 6.0
Rated torque : 117 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 210 %
Rated speed : 1775 rpm

Moment of inertia (J) : 5.37 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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



Color RAL 3002									
Painting plan 203A									
Mounting V18									
							SCALE	1:8	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF						
CHECKED			FRAME 324/6JP IP23 ODP						
RELEASED			CLOSE COUPLED PUMP JP TYPE W						
REL DT	16.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			