

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 14829365

Product line : W40 JP Pump High Efficiency Three-Phase
Product code : 14829365
Catalog # : 06036OP3HFP326JPV-W4

Frame	: 324/6JP	Locked rotor time	: 30s (cold) 17s (hot)
Output	: 60 HP (45 kW)	Temperature rise	: 80 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	: 56.5 A	Protection degree	: IP23
L. R. Amperes	: 333 A	Cooling method	: IC01 - ODP
LRC	: 5.9x(Code F)	Mounting	: W-6
No load current	: 16.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3555 rpm	Starting method	: Direct On Line
Slip	: 1.25 %	Approx. weight ³	: 490 lb
Rated torque	: 87.4 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 3.41 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	92.3	92.4	93.0	93.0	Max. traction
Power Factor	0.54	0.78	0.84	0.86	Max. compression

	Drive end	Non drive end
Bearing type	: 6312 Z C3	: 6211 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 9829 h	: 14226 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				
Date	16/04/2019			

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Revision

LOAD PERFORMANCE CURVE

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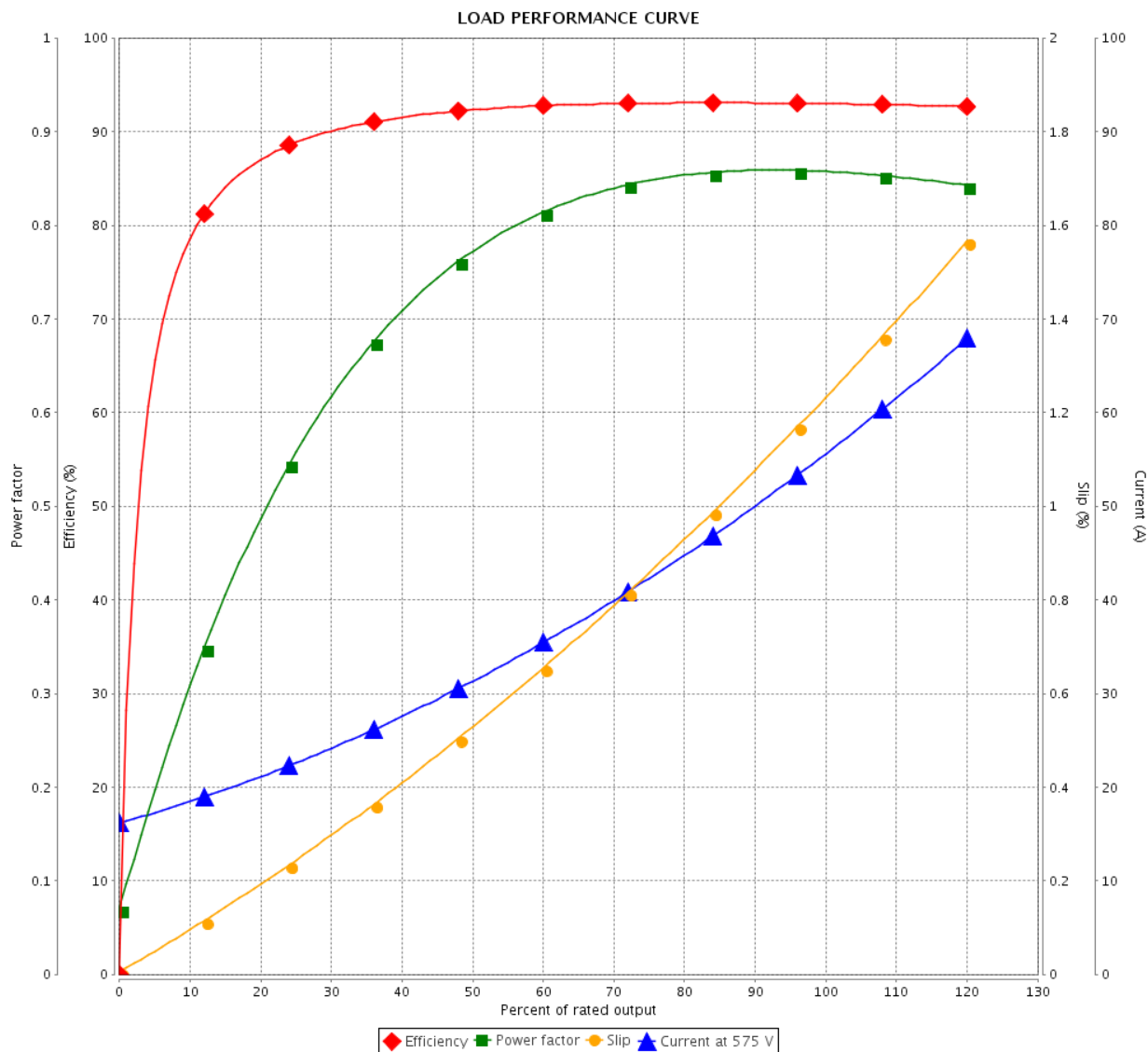


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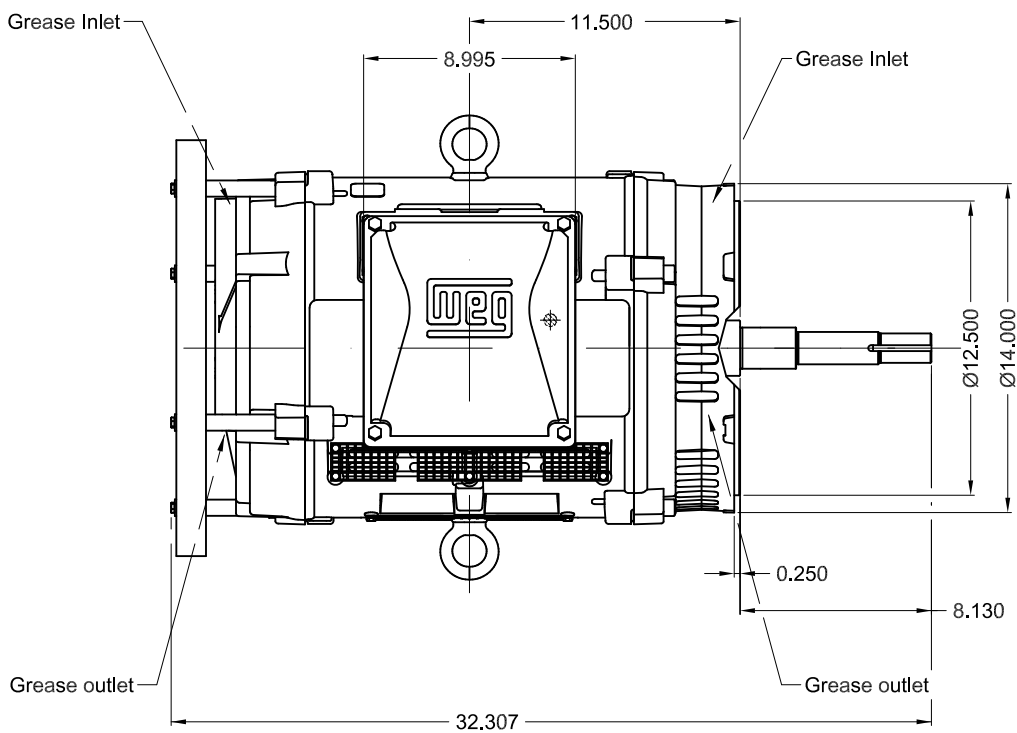
Performance : 575 V 60 Hz 2P

Rated current : 56.5 A
LRC : 5.9
Rated torque : 87.4 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 200 %
Rated speed : 3555 rpm

Moment of inertia (J) : 3.41 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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Performed by				Page	Revision
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Date					

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			