

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 14829612

Product line : W40 JP Pump High Efficiency Three-Phase Product code : 14829612  
Catalog # : 07536OP3VFP364JPV-W4

Frame	: 364/5JP	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 196/98.1 A	Protection degree	: IP23
L. R. Amperes	: 1138/569 A	Cooling method	: IC01 - ODP
LRC	: 5.8x(Code F)	Mounting	: W-6
No load current	: 58.0/29.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3555 rpm	Starting method	: Direct On Line
Slip	: 1.25 %	Approx. weight <sup>3</sup>	: 703 lb
Rated torque	: 109 ft.lb		
Locked rotor torque	: 160 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 5.60 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.3	91.0	92.4	93.0	Max. traction	: 445 lb
Power Factor	0.55	0.80	0.85	0.87	Max. compression	: 1149 lb

	Drive end	Non drive end
Bearing type	: 6314 C3	: 6212 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 7209 h	: 12143 h
Lubricant amount	: 27 g	: 13 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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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

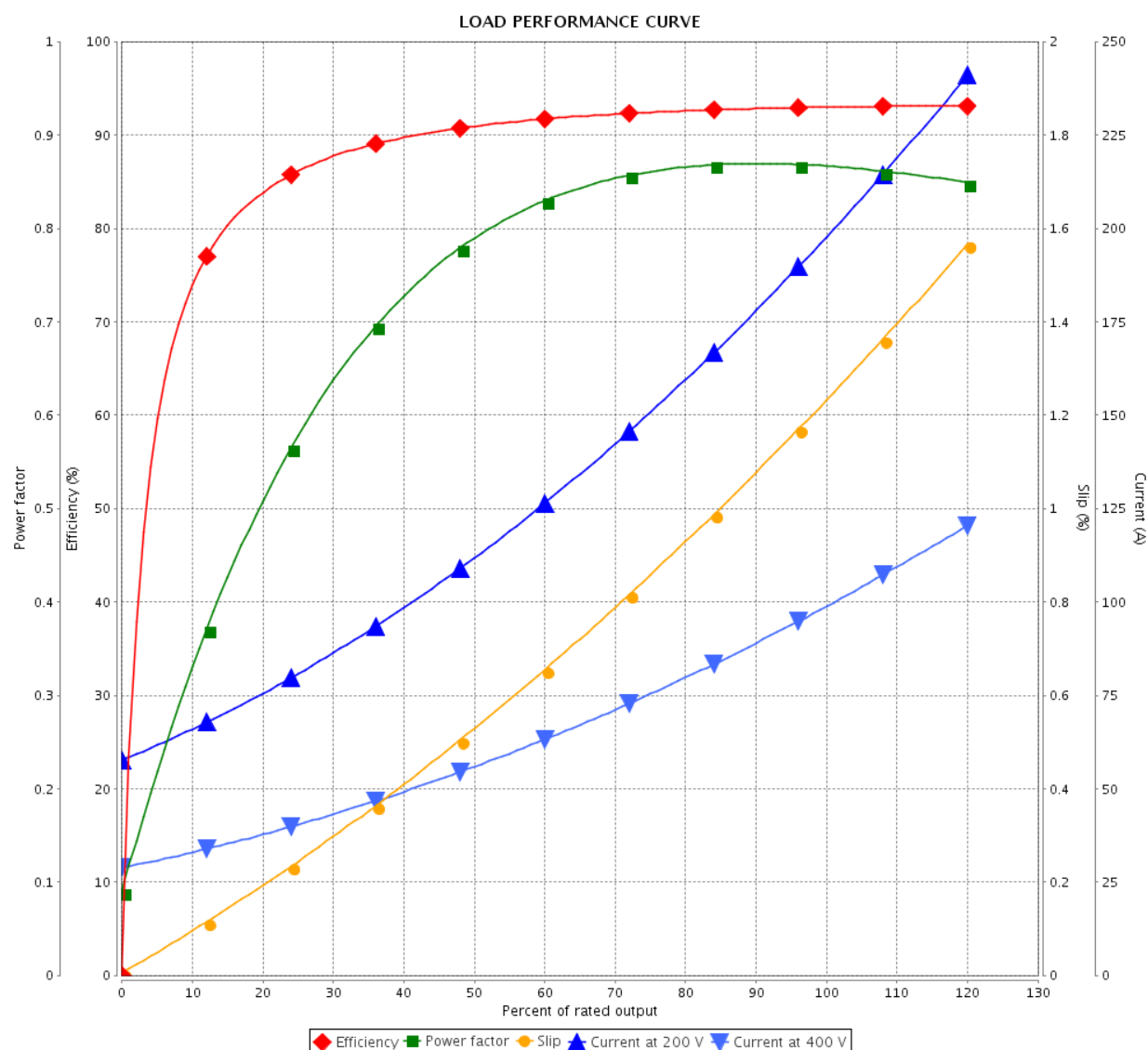


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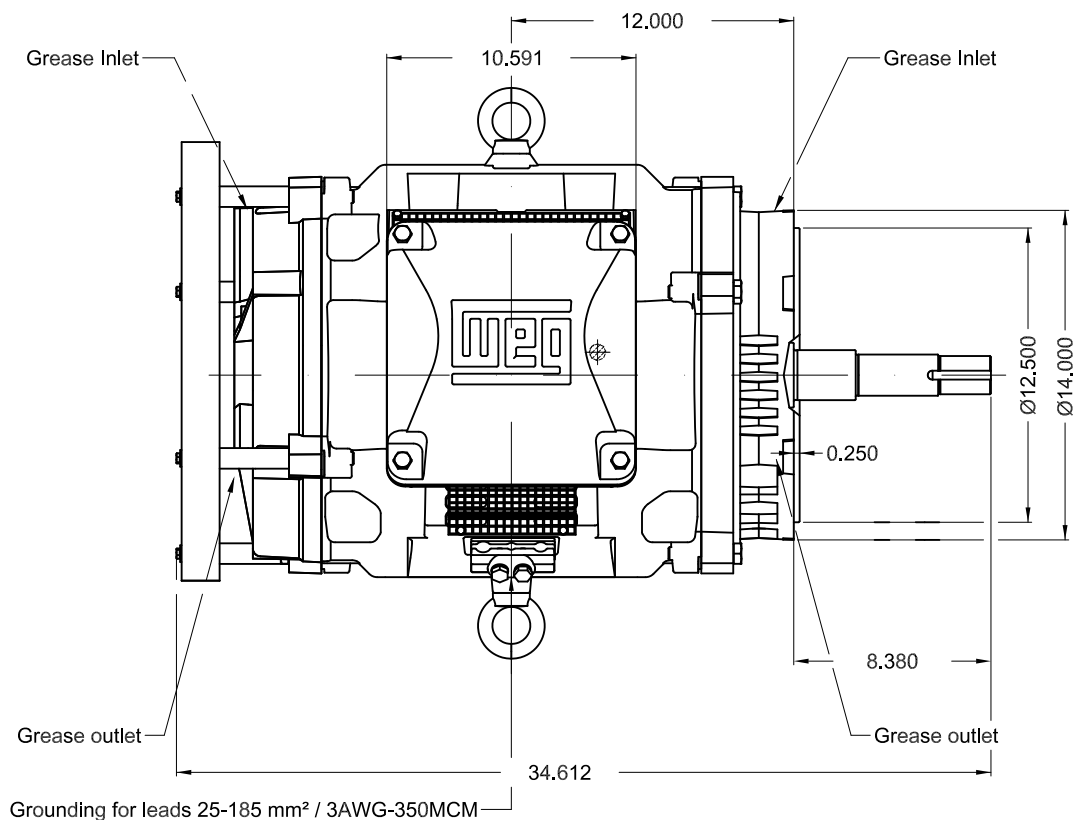
Performance : 200/400 V 60 Hz 2P

Rated current : 196/98.1 A  
LRC : 5.8  
Rated torque : 109 ft.lb  
Locked rotor torque : 160 %  
Breakdown torque : 210 %  
Rated speed : 3555 rpm

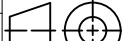

Moment of inertia (J) : 5.60 sq.ft.lb  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : B

Rev.	Changes Summary	Performed	Checked	Date
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THIS IS AN UPDATED REVISION, THE  
PREVIOUS ONE MUST BE DISREGARDED.



## Mounting V18

						SCALE	1:8
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF				
CHECKED			FRAME 364/5JP IP23 ODP				
RELEASED			CLOSE COUPLED PUMP JP TYPE   W				
REL DT	16.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1	