

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 14829929

Product line : W40 JP Pump High Efficiency Three-Phase Product code : 14829929
Catalog # : 07518OP3EFP365JPV-W4

Frame	: 364/5JP	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 189-171/85.3 A	Protection degree	: IP23
L. R. Amperes	: 1188-1075/537 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: W-6
No load current	: 43.1-50.0/25.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight ³	: 774 lb
Rated torque	: 219 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 15.2 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	93.5	93.6	94.1	94.1	Max. traction	: 1626 lb
Power Factor	0.52	0.75	0.83	0.86	Max. compression	: 2400 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	19579 h	20000 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		Page Revision 1 / 2		
Checked by				
Date	16/04/2019			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

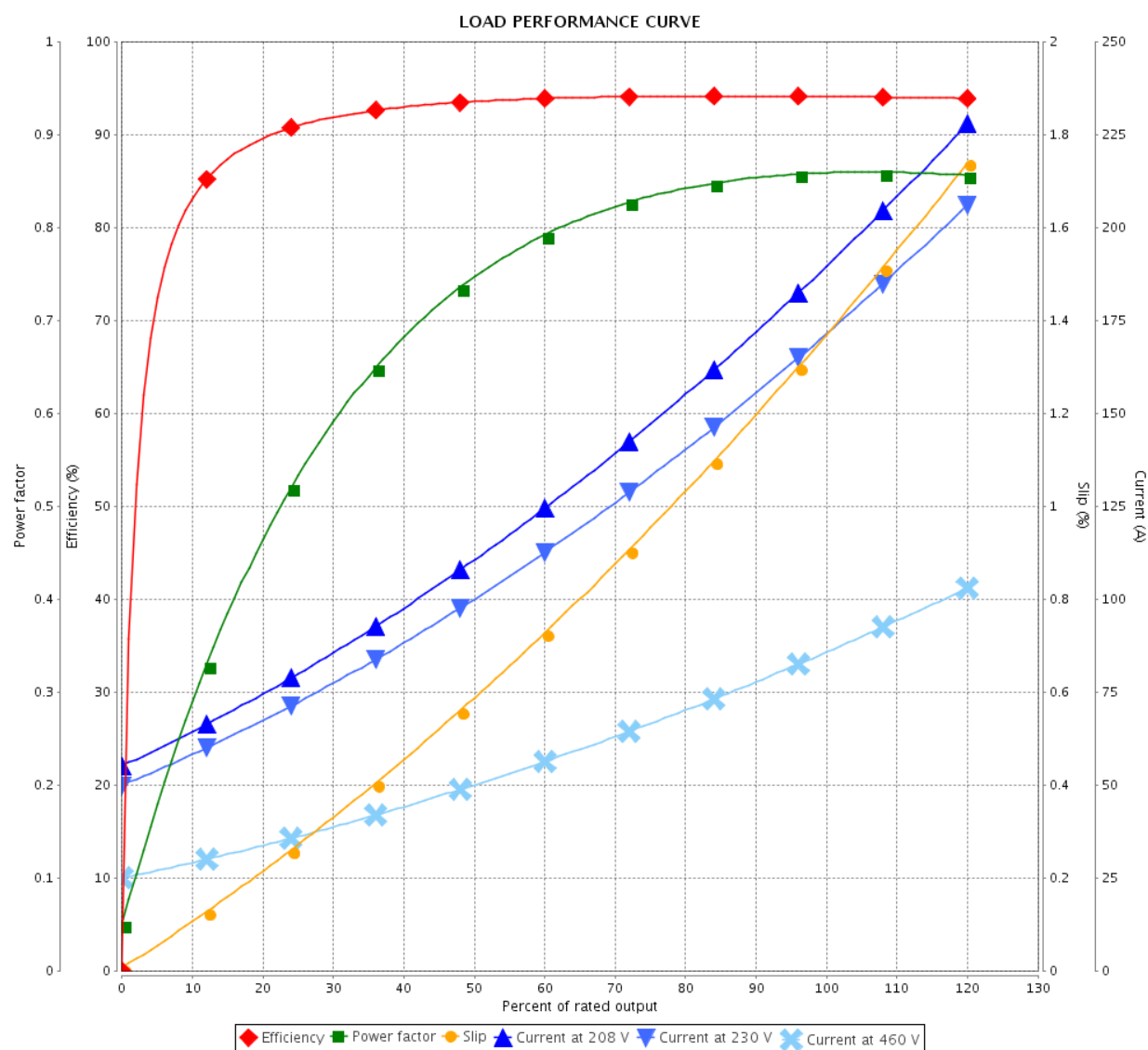


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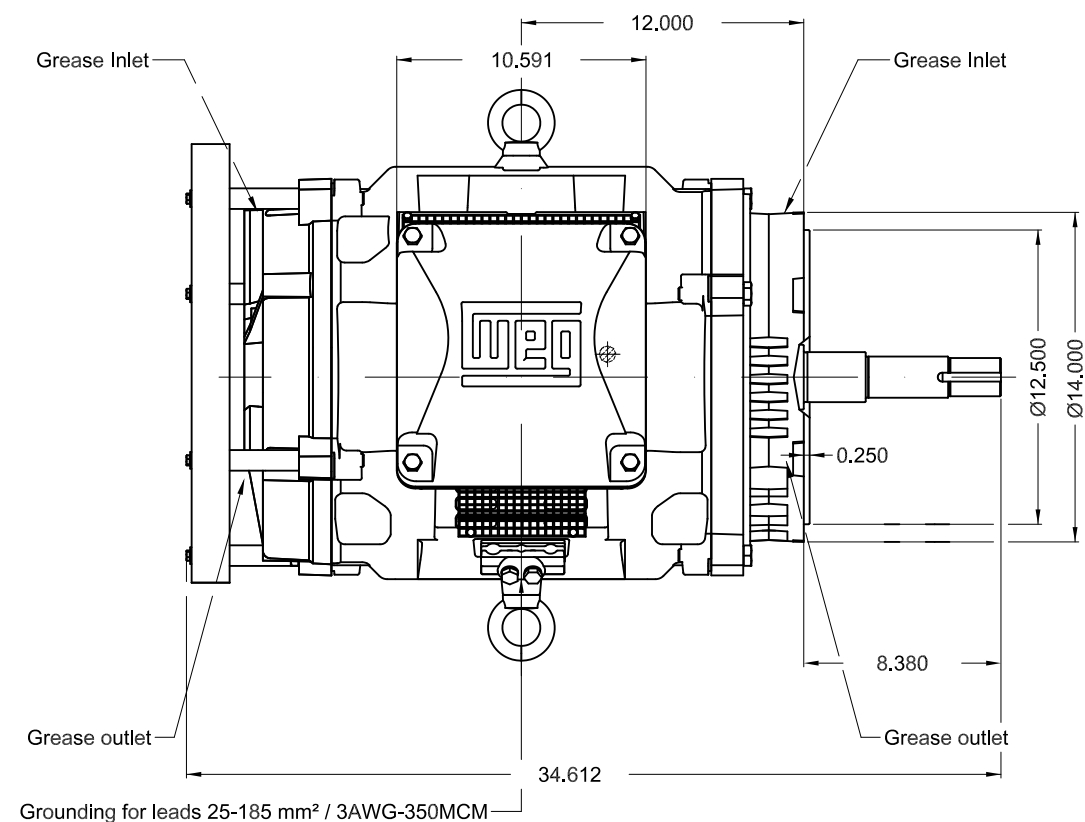
Performance : 208-230/460 V 60 Hz 4P

Rated current : 189-171/85.3 A
LRC : 6.3
Rated torque : 219 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 229 %
Rated speed : 1775 rpm

Moment of inertia (J) : 15.2 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
Checked by				2 / 2	
Date					

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



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

75 HP	04 Poles	60Hz
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