

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 07518OP3EFP365TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14281215  
Catalog # : 07518OP3EFP365TS-W40

Frame	: 364/5TS	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	: F-1
No load current	: 43.1-50.0/25.0 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>	: 743 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	: 1642 lb
Power Factor	0.52	0.75	0.83	0.86	Max. compression	: 2384 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	:	20000 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				
Checked by				
Date	14/04/2019			
			Page	Revision
			1 / 2	

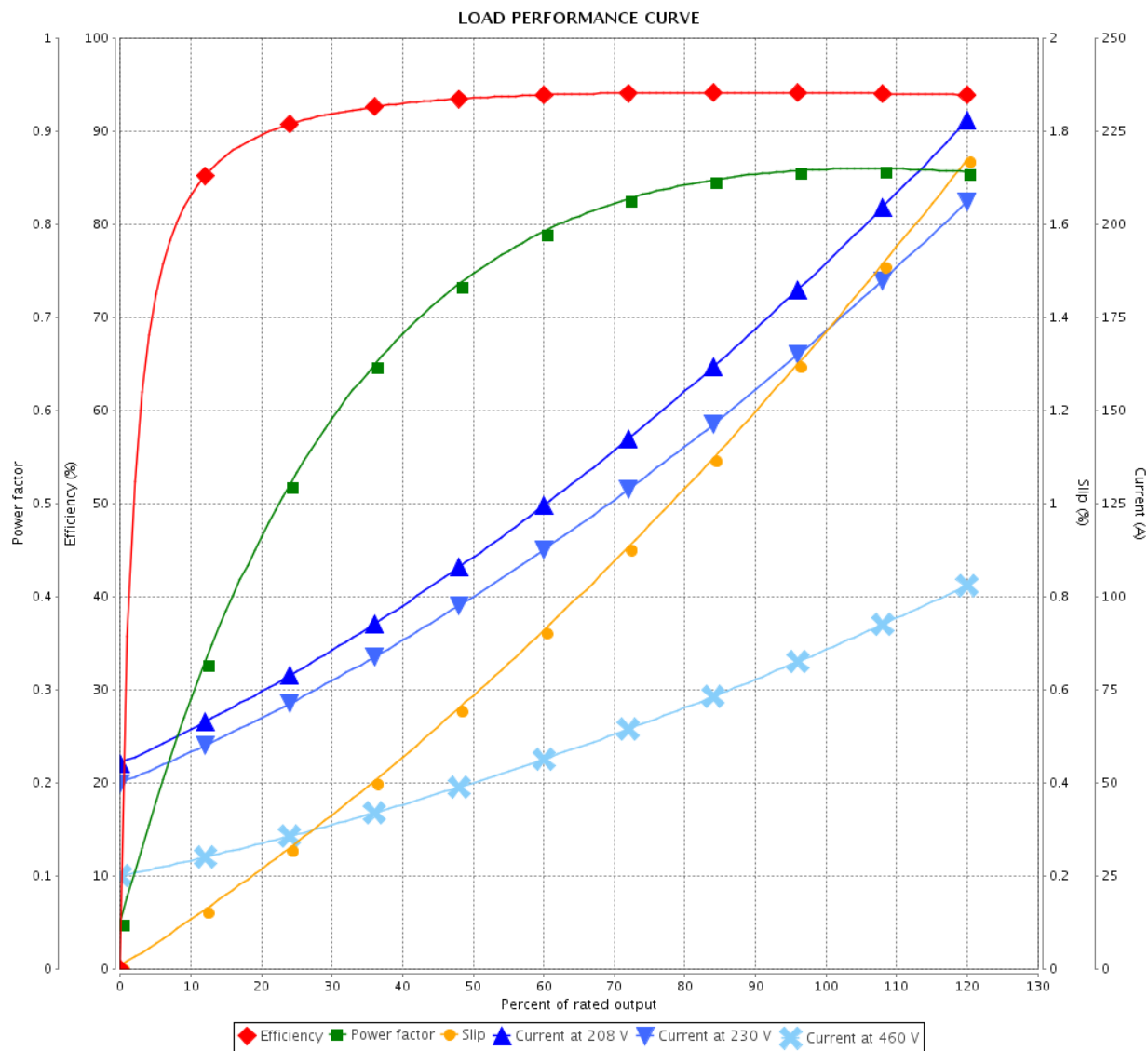
# LOAD PERFORMANCE CURVE

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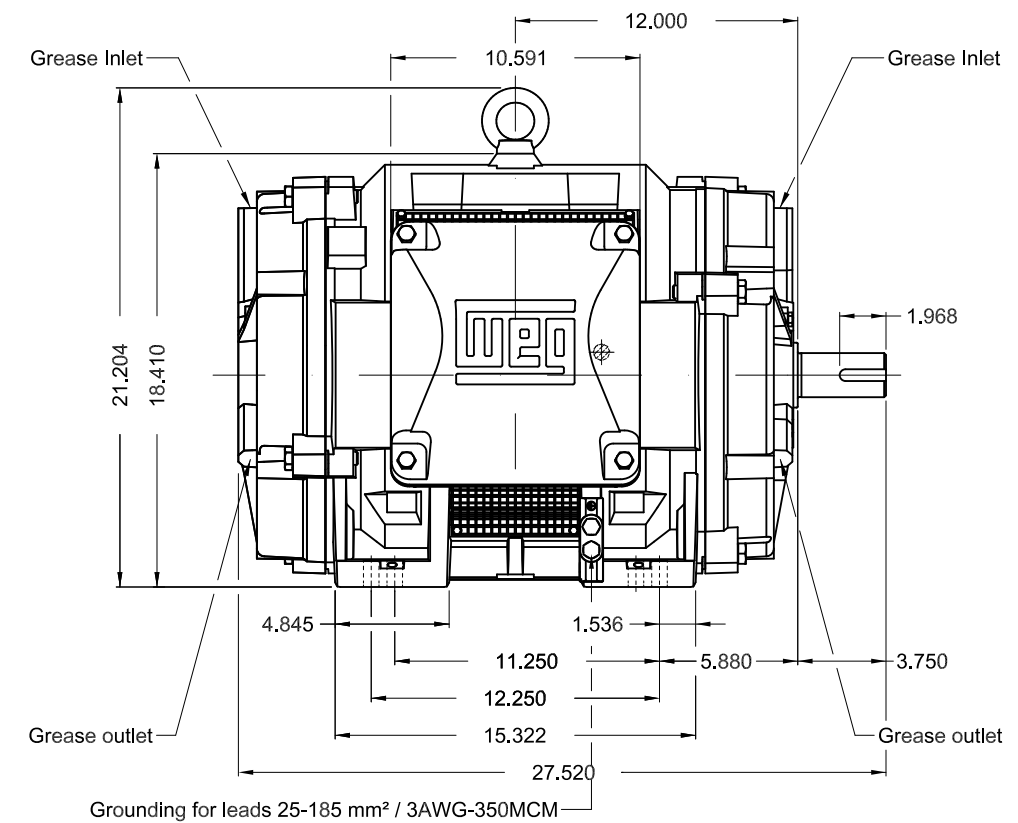
Performance : 208-230/460 V 60 Hz 4P

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
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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 364/5TS IP23 ODP					
RELEASED				WEG code: 14281215					
REL DT		14.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET 1 / 1			

A

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