

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 12518OP3HFP405TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282622  
Catalog # : 12518OP3HFP405TS-W40

Frame	: 404/5TS	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 125 HP	Temperature rise	: 105 K
Poles	: 4	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	: 111 A	Protection degree	: IP23
L. R. Amperes	: 723 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 30.4 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>	: 973 lb
Rated torque	: 365 ft.lb		
Locked rotor torque	: 210 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 21.5 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.0	94.1	94.5	94.5	Max. traction	: 2064 lb
Power Factor	0.54	0.76	0.84	0.86	Max. compression	: 3037 lb

	Drive end	Non drive end
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	15/04/2019			

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Revision

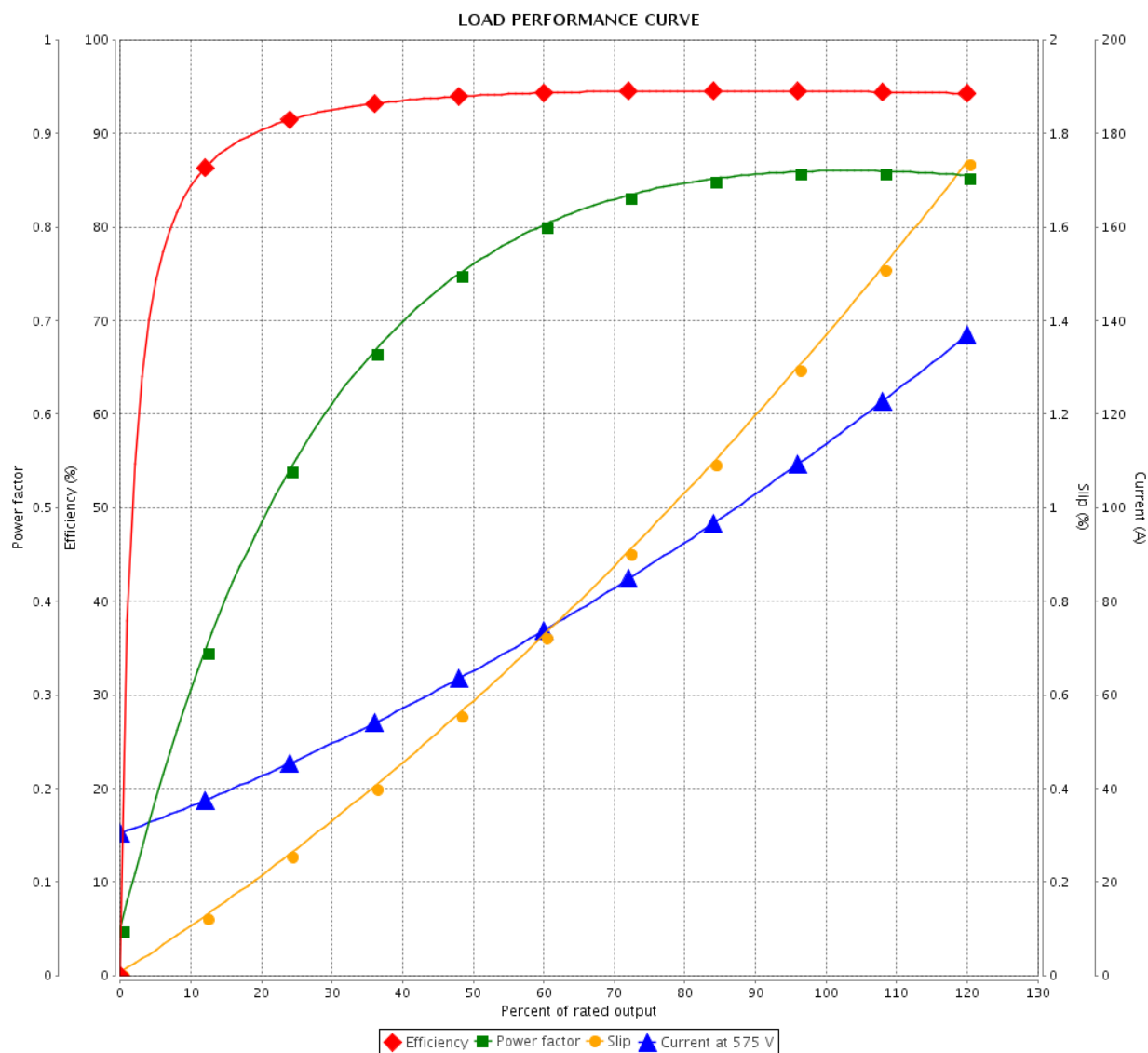
# LOAD PERFORMANCE CURVE

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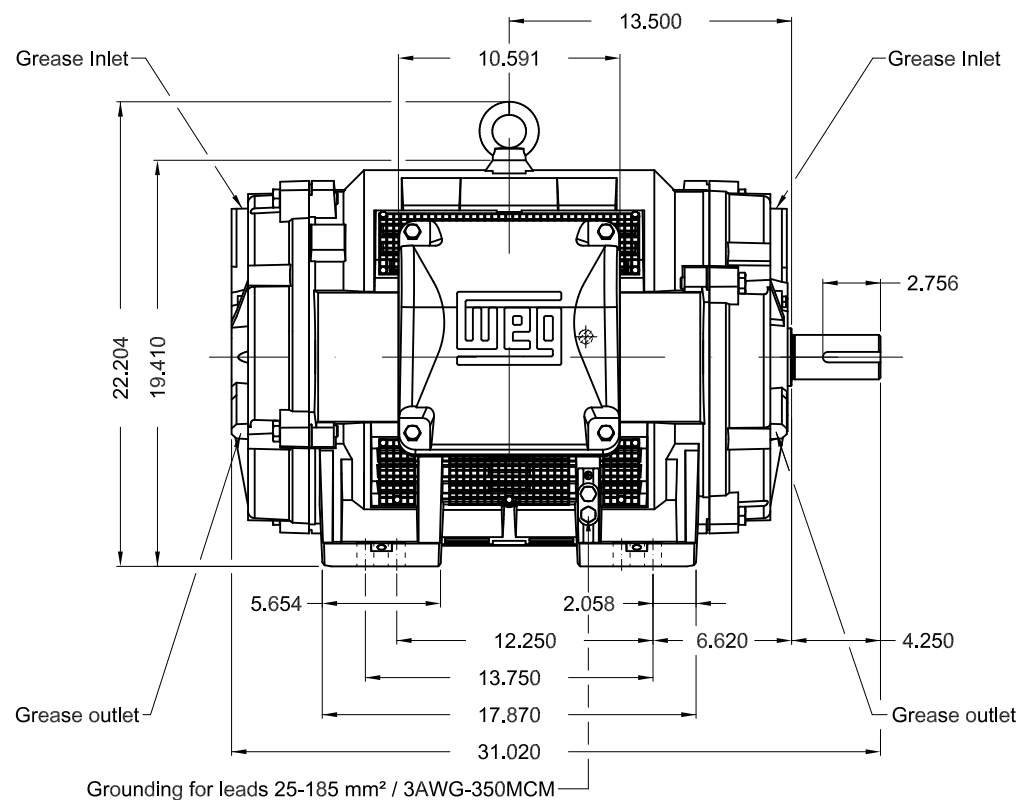


Performance : 575 V 60 Hz 4P

Rated current	: 111 A	Moment of inertia (J)	: 21.5 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 365 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 1775 rpm	Design	: B

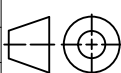

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Performed by		Page 2 / 2      Revision		
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Date	15/04/2019			

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



TS shaft end							
Shaft material – SAE/ABNT 1040/45							
Color RAL 3002							
Painting plan 203A							
Mounting B3R(D)							

						SCALE	1:9
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF				
CHECKED			FRAME 404/5TS IP23 ODP				
RELEASED			WEG code: 14282622				
REL DT	15.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1	