

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 15036OP3HFP405TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282852  
Catalog # : 15036OP3HFP405TS-W40

Frame	: 404/5TS	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 105 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	: 131 A	Protection degree	: IP23
L. R. Amperes	: 866 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: F-1
No load current	: 24.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3550 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight <sup>3</sup>	: 929 lb
Rated torque	: 219 ft.lb		
Locked rotor torque	: 170 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 9.20 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.8	93.0	93.6	93.6	Max. traction	: 999 lb
Power Factor	0.65	0.84	0.89	0.90	Max. compression	: 1928 lb

	Drive end	Non drive end
Bearing type	: 6314 C3	: 6212 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 14418 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	16/04/2019			

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Revision

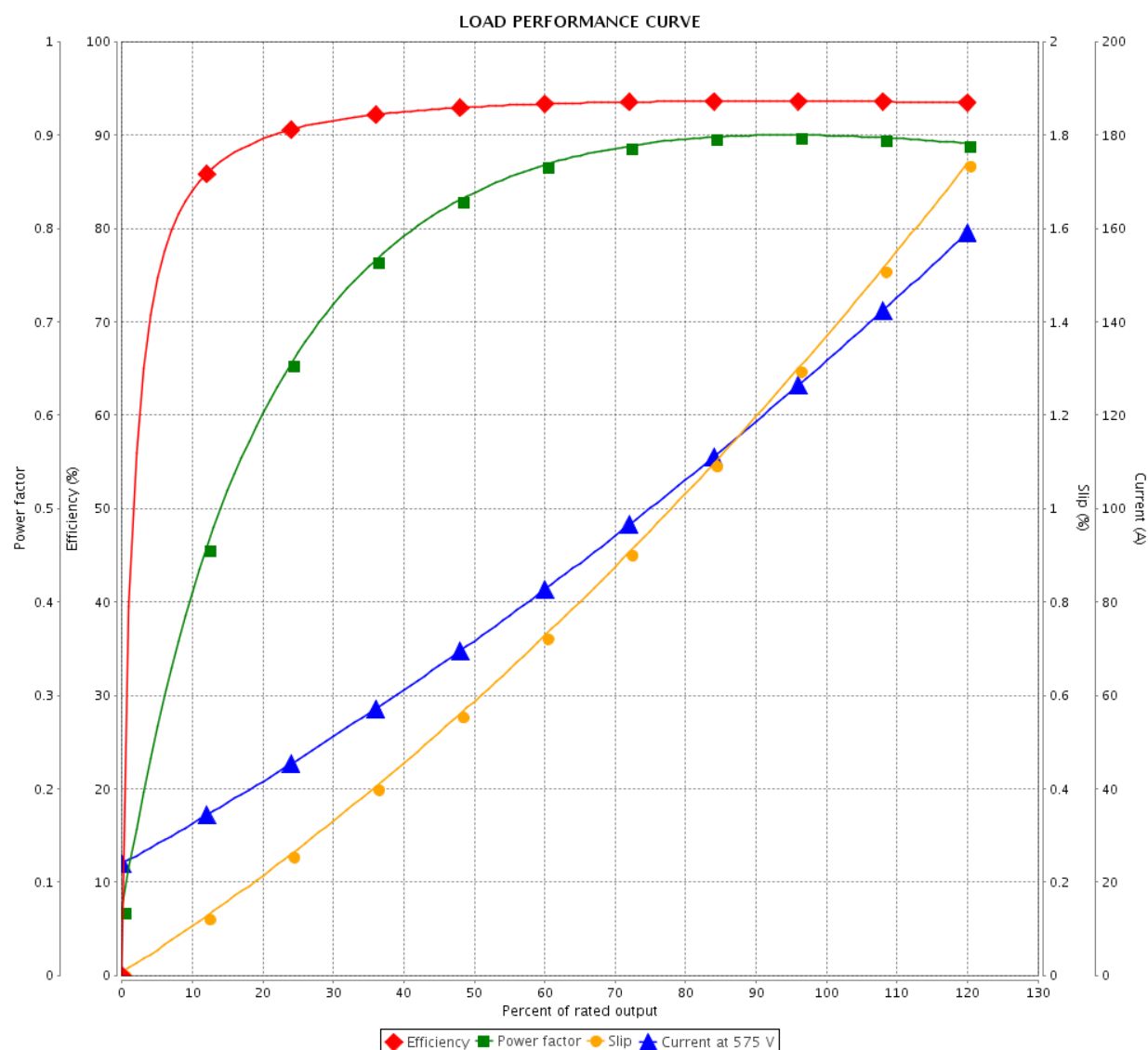
# LOAD PERFORMANCE CURVE

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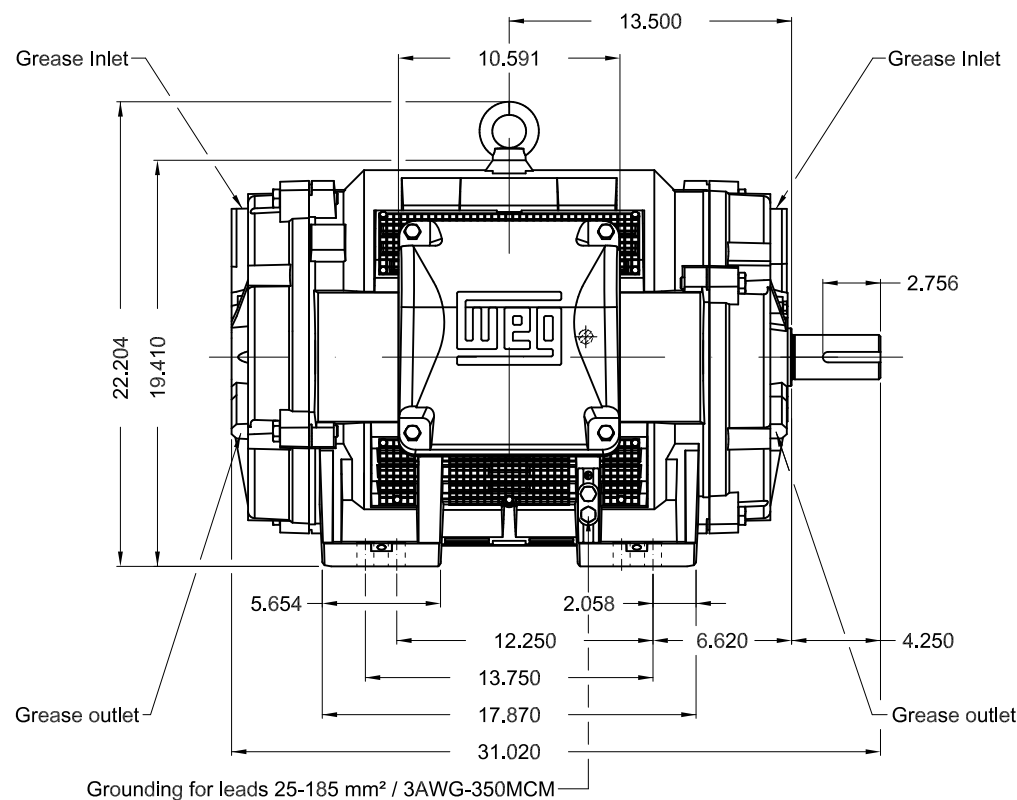




Performance : 575 V 60 Hz 2P

Rated current : 131 A	Moment of inertia (J) : 9.20 sq.ft.lb
LRC : 6.6	Duty cycle : Cont.(S1)
Rated torque : 219 ft.lb	Insulation class : F
Locked rotor torque : 170 %	Service factor : 1.15
Breakdown torque : 220 %	Temperature rise : 105 K
Rated speed : 3550 rpm	Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2      Revision		
Checked by				
Date	16/04/2019			

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



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: 14282852						
REL DT	16.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			