

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110		Customer reference : 15036OP3JFP405TS-W40			
Product line : W40 High Efficiency Three-Phase		Product code : 14282854 Catalog # : 15036OP3JFP405TS-W40			
Frame : 404/5TS Output : 150 HP (110 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 380 V Rated current : 199 A L. R. Amperes : 1310 A LRC : 6.6x(Code G) No load current : 36.3 A Rated speed : 3550 rpm Slip : 1.39 % 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		Locked rotor time : 19s (cold) 11s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 931 lb			
Output	25%	50%	75%	100%	Foundation loads Max. traction : 998 lb Max. compression : 1929 lb
Efficiency (%)	92.8	93.0	93.6	93.6	
Power Factor	0.65	0.84	0.89	0.90	
		<u>Drive end</u> Bearing type : 6314 C3 Sealing : Without Bearing Seal Lubrication interval : 14418 h Lubricant amount : 27 g Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> 6212 Z C3 Without Bearing Seal 20000 h 13 g	
Notes downloaded from <a href="http://dealerselectric.com">http://dealerselectric.com</a>					
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			Page 1 / 2	Revision

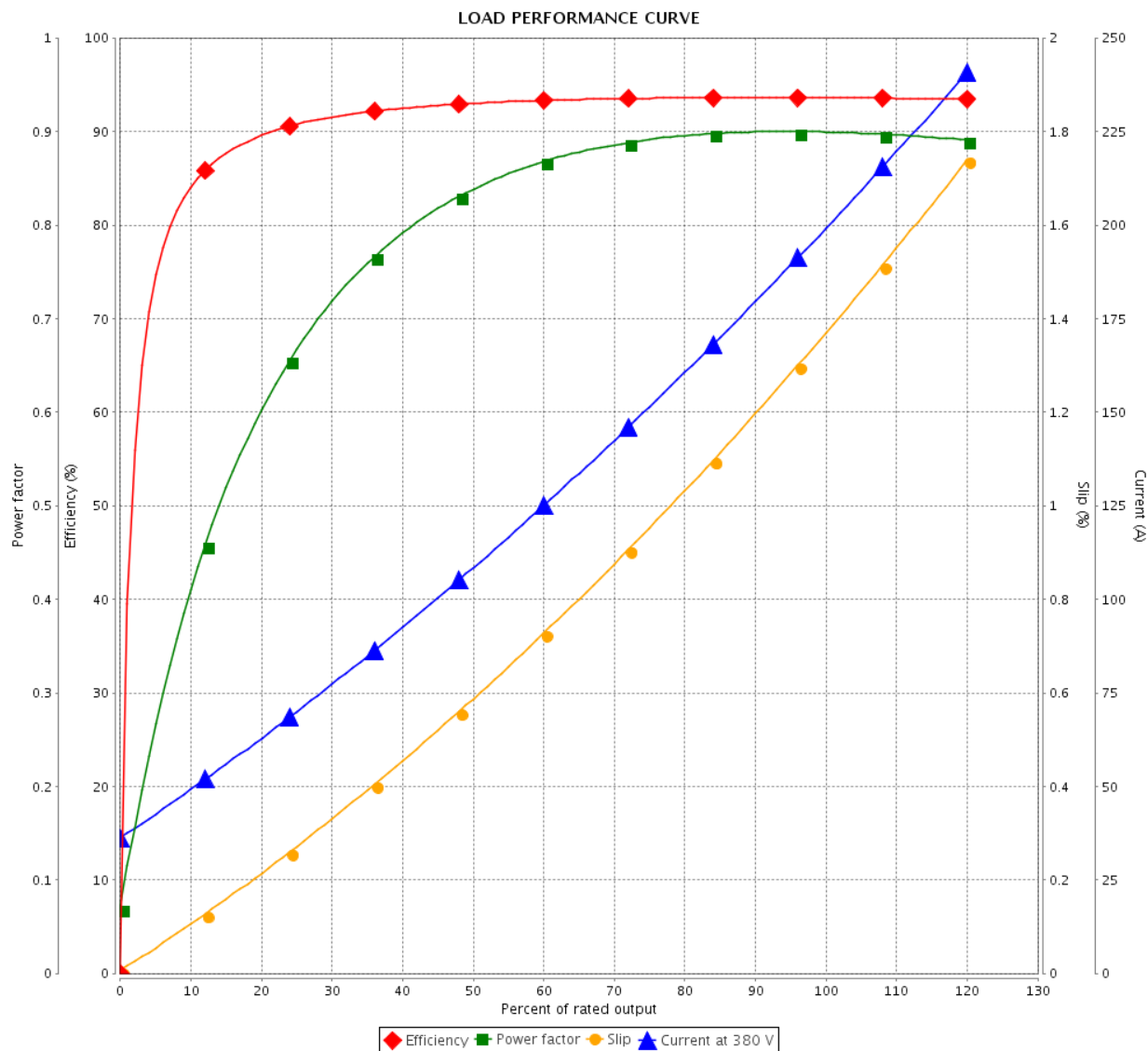
# LOAD PERFORMANCE CURVE

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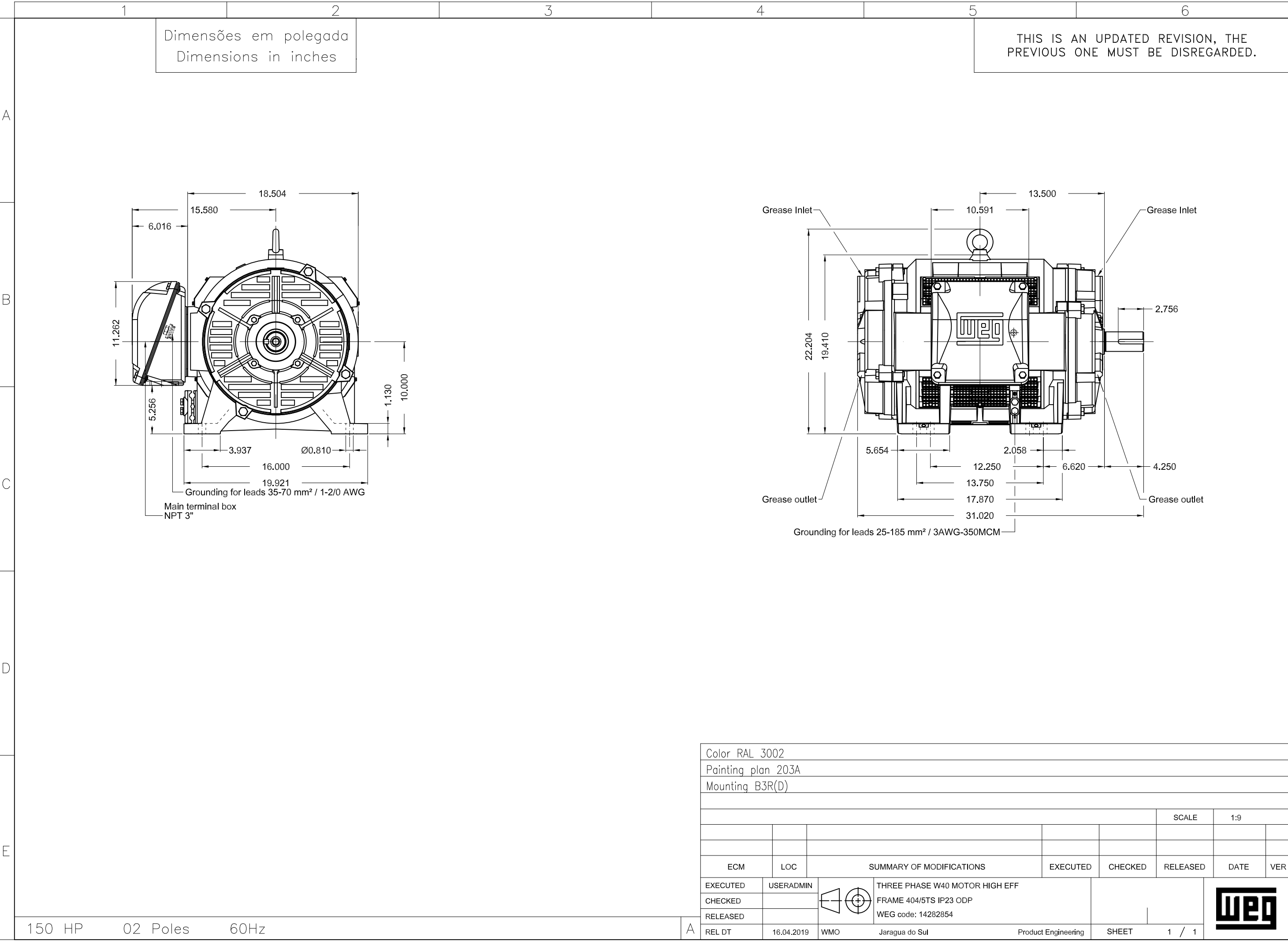
Product line : W40 High Efficiency Three-Phase      Product code : 14282854  
Catalog # : 15036OP3JFP405TS-W40



Performance : 380 V 60 Hz 2P

Rated current : 199 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

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150 HP

02 Poles

60Hz

A