

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 03036OP3VFP284TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14490720  
Catalog # : 03036OP3VFP284TS-W40

Frame	: 284TS	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 30 HP (22 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 80.3/40.1 A	Protection degree	: IP23
L. R. Amperes	: 498/249 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 25.3/12.7 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3540 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight <sup>3</sup>	: 300 lb
Rated torque	: 43.9 ft.lb		
Locked rotor torque	: 170 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.59 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	90.0	90.2	91.0	91.0	Max. traction
Power Factor	0.50	0.74	0.83	0.87	Max. compression

	Drive end	Non drive end
Bearing type	: 6311 Z C3	: 6211 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 20000 h	: 20000 h
Lubricant amount	: 18 g	: 11 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		

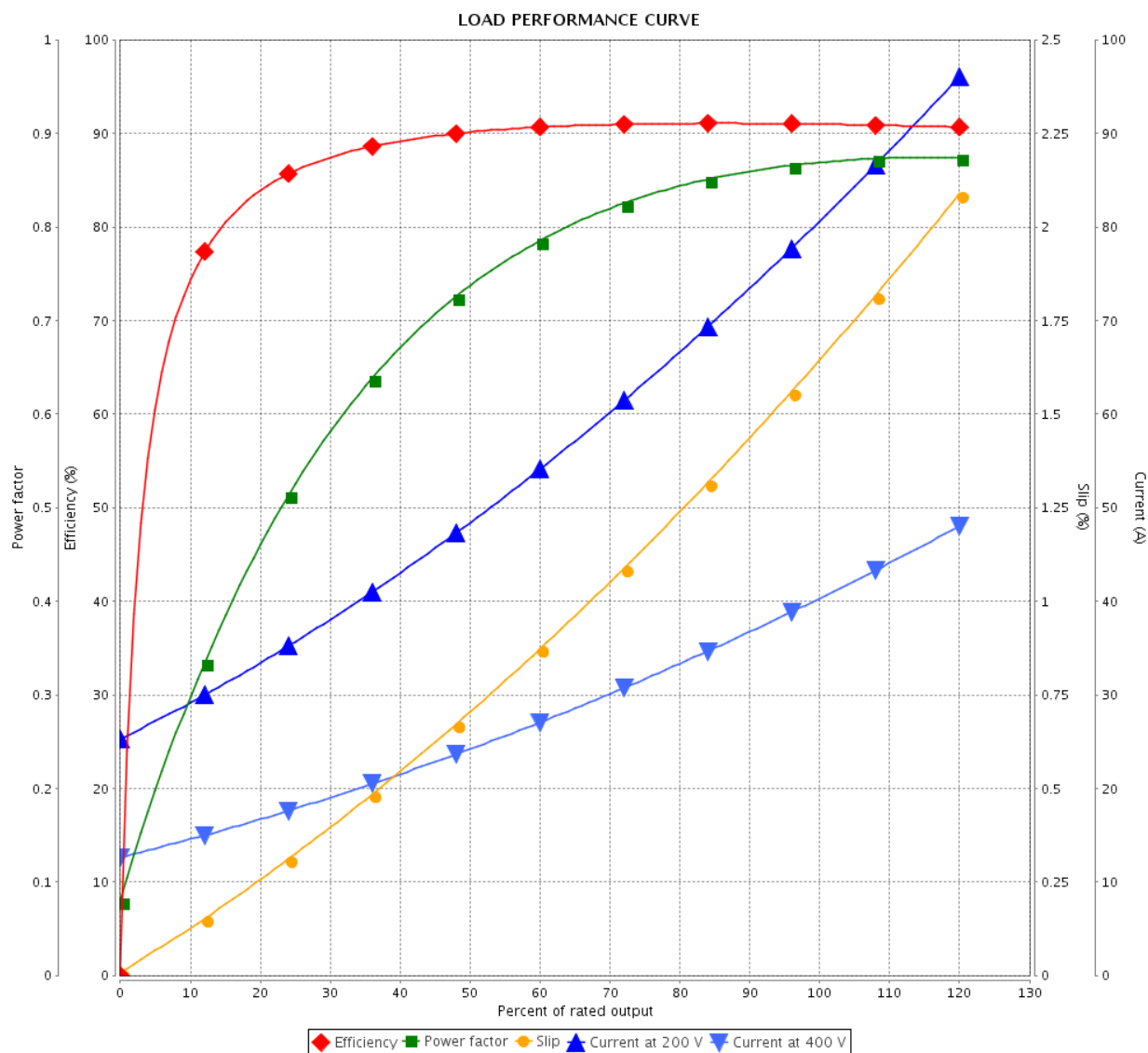
# LOAD PERFORMANCE CURVE

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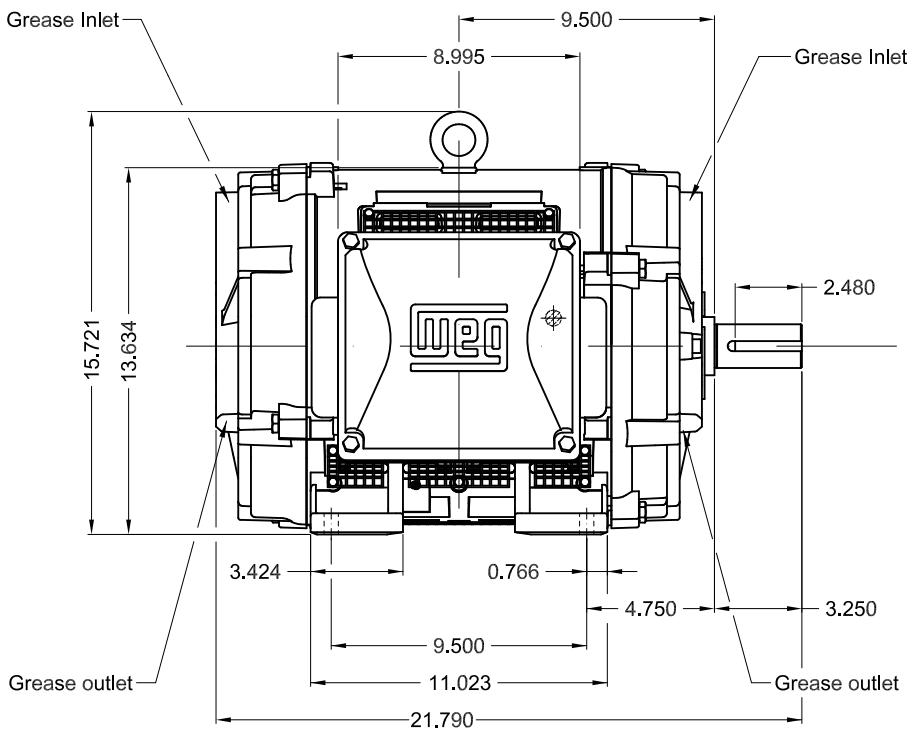
Performance : 200/400 V 60 Hz 2P

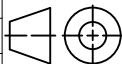

Rated current : 80.3/40.1 A  
LRC : 6.2  
Rated torque : 43.9 ft.lb  
Locked rotor torque : 170 %  
Breakdown torque : 260 %  
Rated speed : 3540 rpm

Moment of inertia (J) : 1.59 sq.ft.lb  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 105 K  
Design : B

Rev.	Changes Summary		Performed	Checked	Date
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Date					

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



Color RAL 3002									
Painting plan 203A									
Mounting B3R(D)									
								SCALE	1:7
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF						
CHECKED			FRAME 284TS IP23 ODP						
RELEASED			WEG code: 14490720						
REL DT	14.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			