

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 20036OP3HFP444TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282969
Catalog # : 20036OP3HFP444TS-W40

Frame	: 444/5TS	Locked rotor time	: 48s (cold) 27s (hot)
Output	: 200 HP (150 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	: 179 A	Protection degree	: IP23
L. R. Amperes	: 1039 A	Cooling method	: IC01 - ODP
LRC	: 5.8x(Code F)	Mounting	: F-1
No load current	: 46.6 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3565 rpm	Starting method	: Direct On Line
Slip	: 0.97 %	Approx. weight ³	: 1265 lb
Rated torque	: 291 ft.lb		
Locked rotor torque	: 140 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 21.8 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.5	93.0	94.1	94.5	Max. traction	: 1016 lb
Power Factor	0.58	0.82	0.87	0.89	Max. compression	: 2282 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

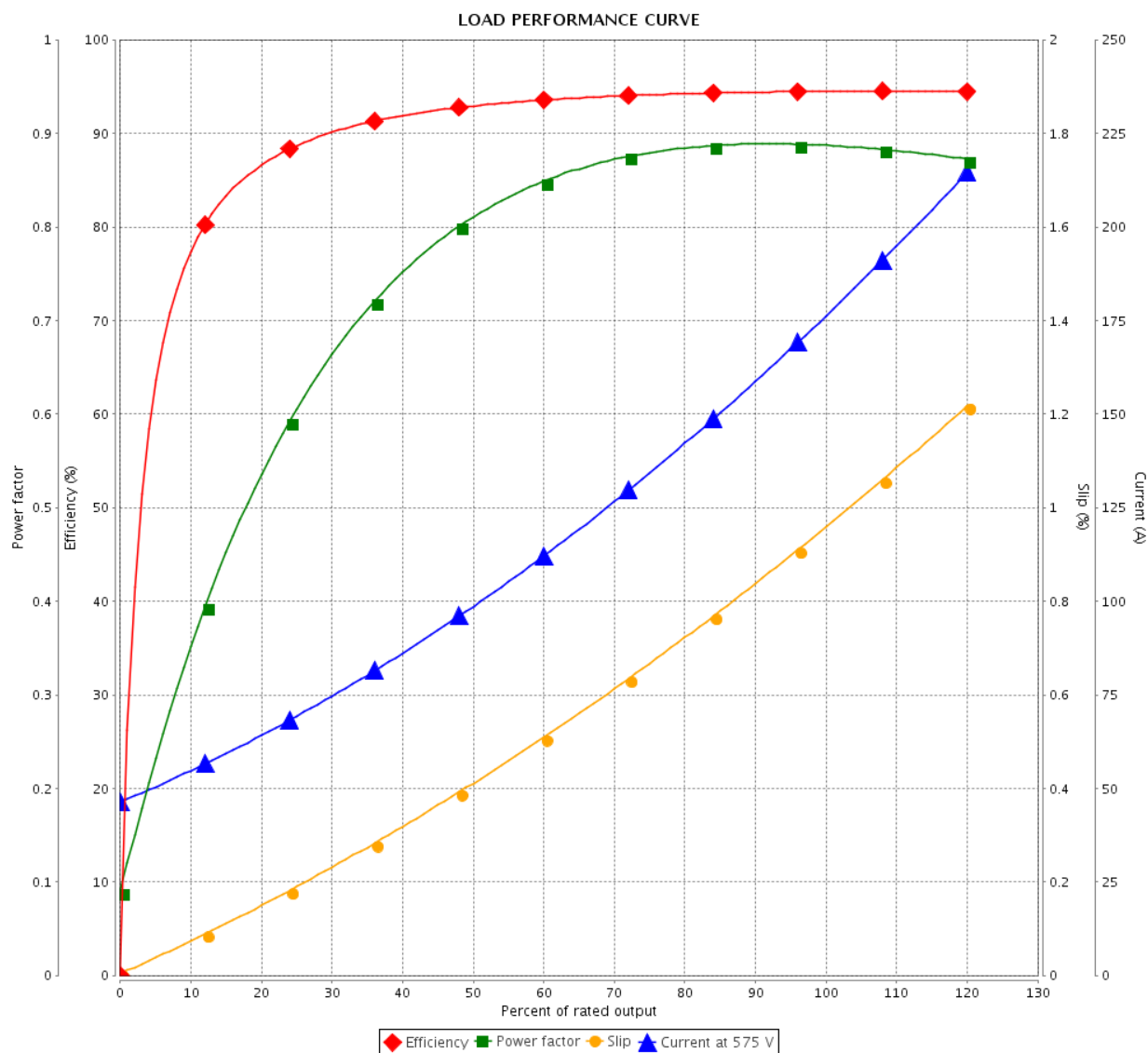
LOAD PERFORMANCE CURVE

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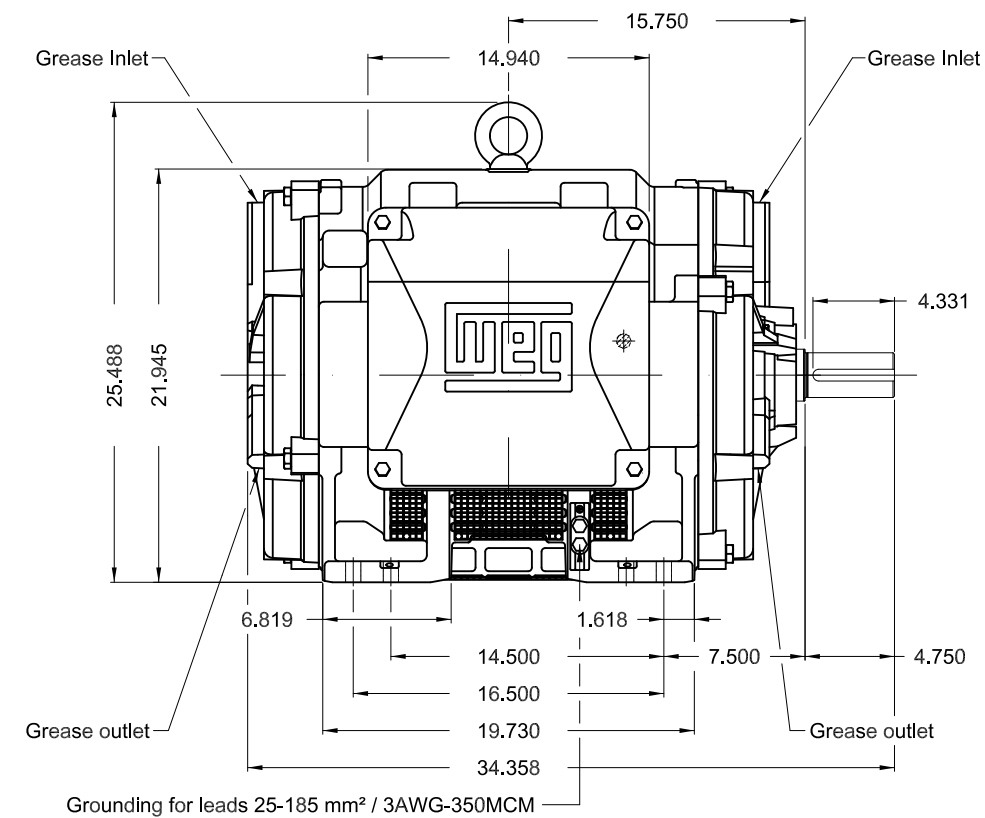
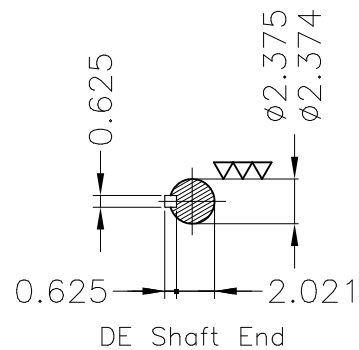


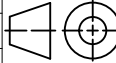
Performance : 575 V 60 Hz 2P

Rated current : 179 A	Moment of inertia (J) : 21.8 sq.ft.lb
LRC : 5.8	Duty cycle : Cont.(S1)
Rated torque : 291 ft.lb	Insulation class : F
Locked rotor torque : 140 %	Service factor : 1.15
Breakdown torque : 210 %	Temperature rise : 105 K
Rated speed : 3565 rpm	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	1:10	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF FRAME 444/5TS IP23 ODP WEG code: 14282969							
CHECKED										
RELEASED										
REL DT	16.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				