

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 04018OP3HFP324TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14490811
Catalog # : 04018OP3HFP324TS-W40

Frame	: 324TS	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 40 HP (30 kW)	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	: 38.6 A	Protection degree	: IP23
L. R. Amperes	: 231 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 14.4 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight ³	: 459 lb
Rated torque	: 117 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 5.37 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction
Power Factor	0.46	0.72	0.81	0.84	Max. compression

	Drive end	Non drive end
Bearing type	: 6312 Z C3	: 6211 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 20000 h	: 20000 h
Lubricant amount	: 21 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			

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Revision

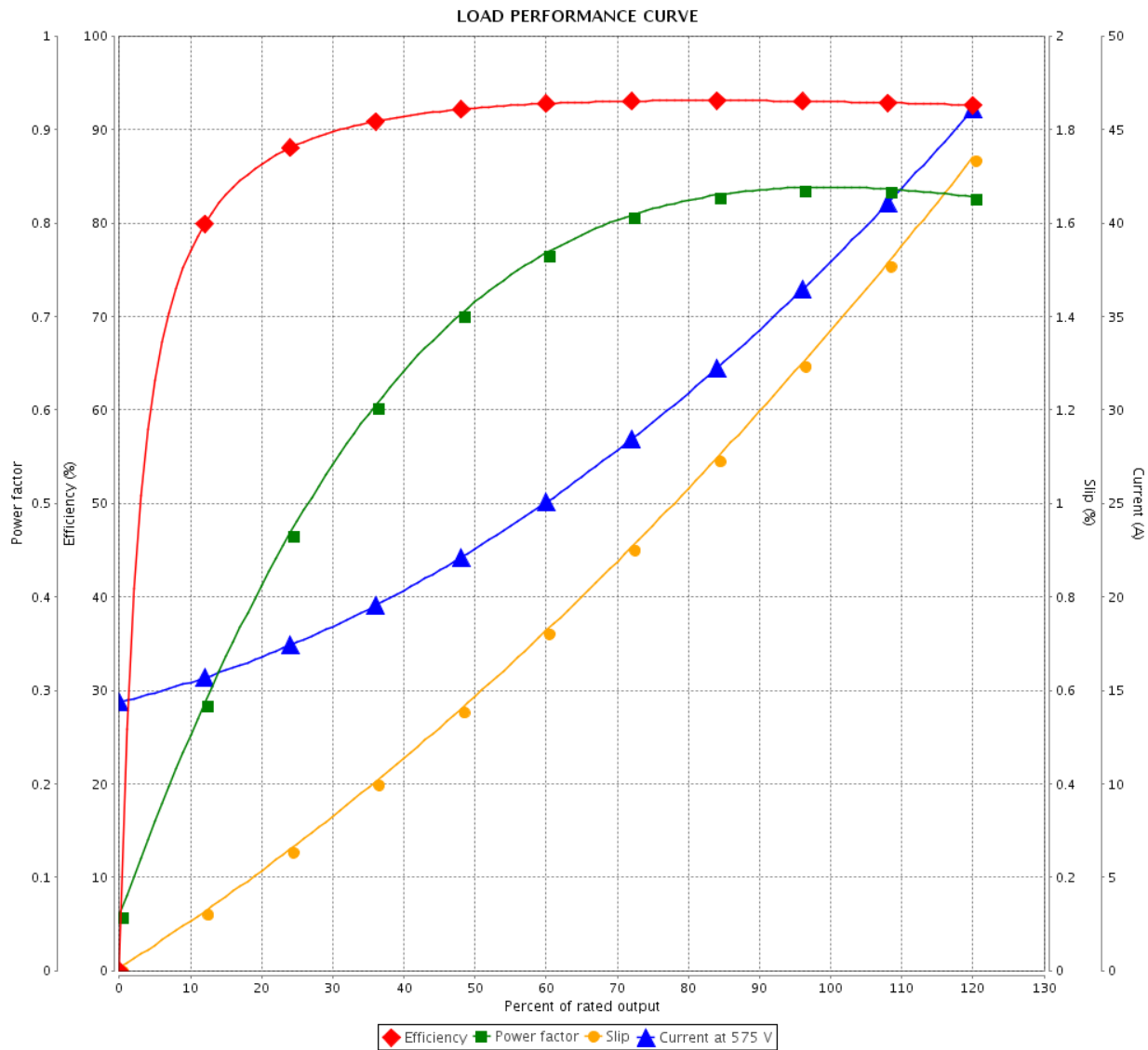
LOAD PERFORMANCE CURVE

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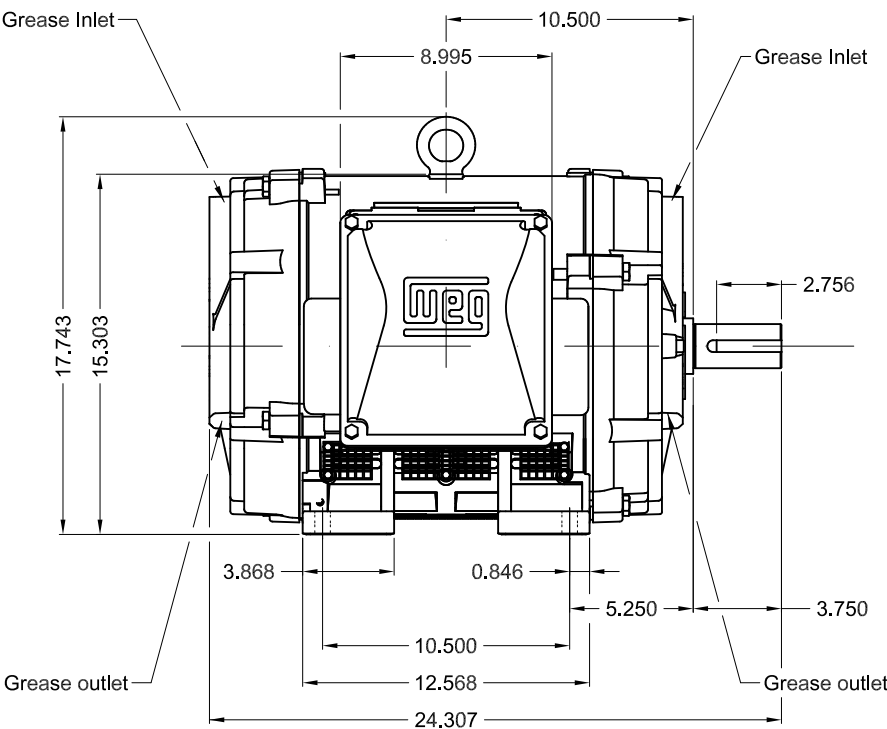


Performance : 575 V 60 Hz 4P

Rated current : 38.6 A	Moment of inertia (J) : 5.37 sq.ft.lb
LRC : 6.0	Duty cycle : Cont.(S1)
Rated torque : 117 ft.lb	Insulation class : F
Locked rotor torque : 180 %	Service factor : 1.15
Breakdown torque : 210 %	Temperature rise : 105 K
Rated speed : 1775 rpm	Design : B

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	14/04/2019			Revision

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



SCALE	1:8
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ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF					
CHECKED			FRAME 324TS IP23 ODP					
RELEASED			WEG code: 14490811					
REL DT	14.04.2019	WMO	Jaraguá do Sul	Product Engineering	SHEET	1 / 1		