

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110					
Customer reference : 04018OT3E324TF2-W40					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code :	14493474		
		Catalog # :	04018OT3E324TF2-W40		
Frame : 324T	Locked rotor time : 23s (cold) 13s (hot)	Output : 40 HP (30 kW)	Temperature rise : 80 K		
Poles : 4	Duty cycle : Cont.(S1)	Frequency : 60 Hz	Ambient temperature : -20°C to +40°C		
Rated voltage : 208-230/460 V	Altitude : 1000 m.a.s.l.	Rated current : 105-95.2/47.6 A	Protection degree : IP23		
L. R. Amperes : 653-590/295 A	Cooling method : IC01 - ODP	LRC : 6.2x(Code G)	Mounting : F-2		
No load current : 31.9-37.0/18.5 A	Rotation ¹ : Both (CW and CCW)	Rated speed : 1775 rpm	Noise level ² : 66.0 dB(A)		
Slip : 1.39 %	Starting method : Direct On Line	Rated torque : 117 ft.lb	Approx. weight ³ : 472 lb		
Locked rotor torque : 200 %		Breakdown torque : 240 %			
Insulation class : F		Service factor : 1.25			
Moment of inertia (J) : 5.69 sq.ft.lb		Design : B			
Output	25%	50%	75%	100%	
Efficiency (%)	93.5	93.6	94.1	94.1	
Power Factor	0.44	0.70	0.80	0.84	
Foundation loads					
Max. traction					
Max. compression					
		<u>Drive end</u>		<u>Non drive end</u>	
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				Page	Revision
Date	14/04/2019			1 / 2	

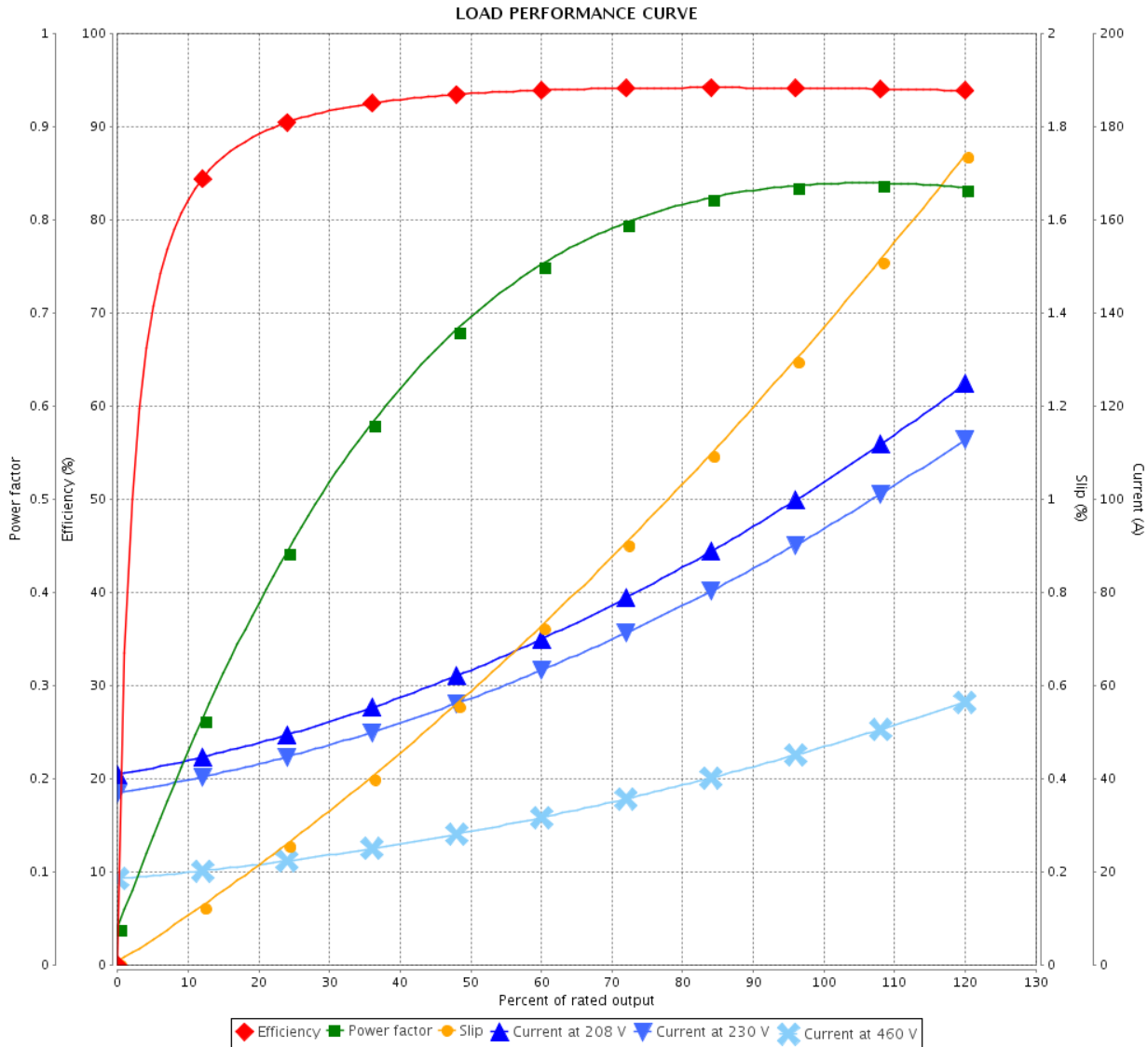
LOAD PERFORMANCE CURVE



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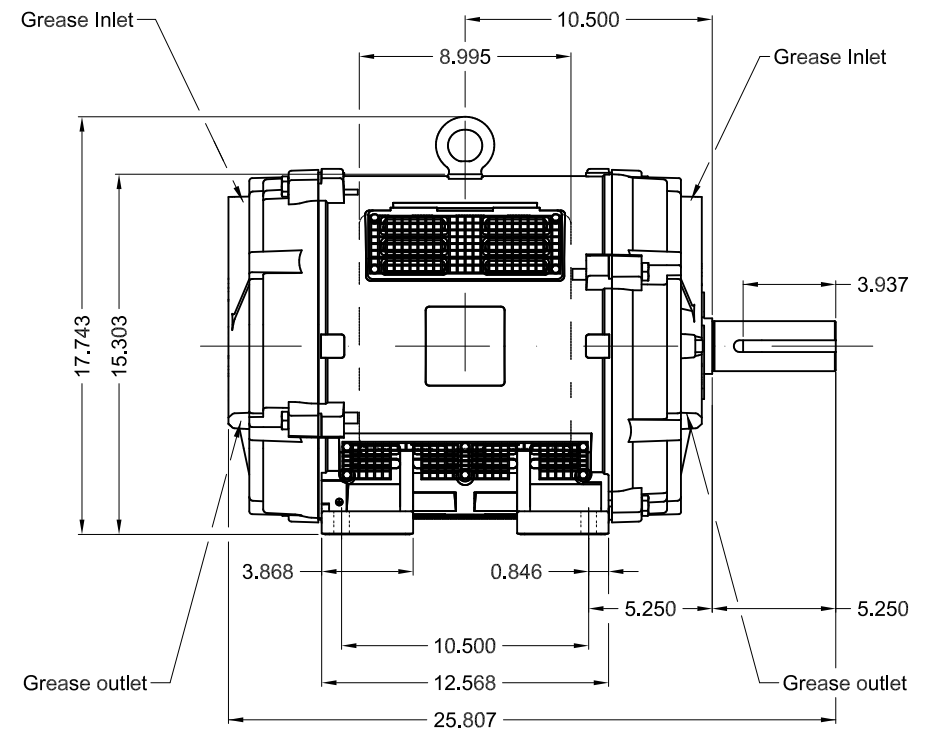
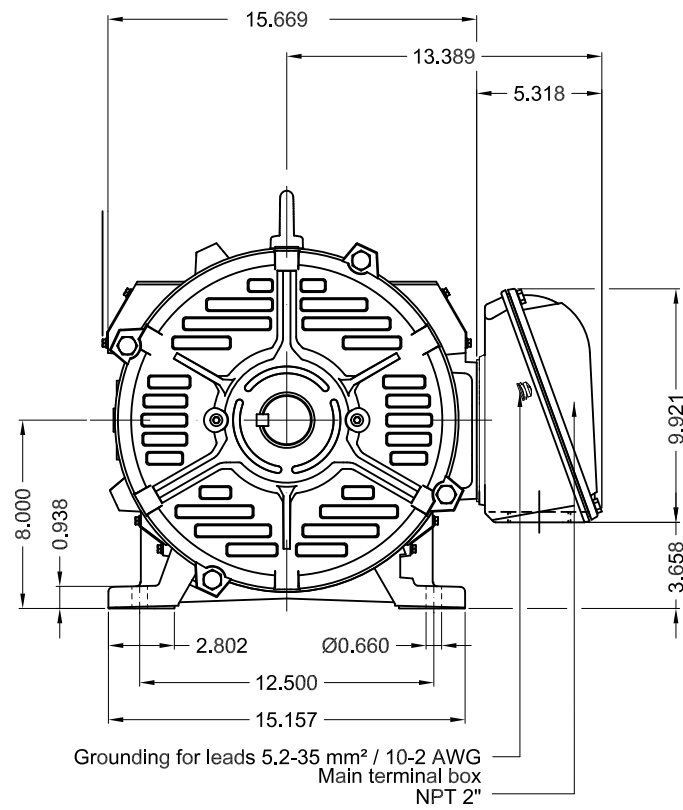
Performance : 208-230/460 V 60 Hz 4P

Rated current : 105-95.2/47.6 A	Moment of inertia (J) : 5.69 sq.ft.lb
LRC : 6.2	Duty cycle : Cont.(S1)
Rated torque : 117 ft.lb	Insulation class : F
Locked rotor torque : 200 %	Service factor : 1.25
Breakdown torque : 240 %	Temperature rise : 80 K
Rated speed : 1775 rpm	Design : B

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Dimensões em polegada
Dimensions in inches

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



Color RAL 5009
Painting plan 203A
Mounting B3L(E)

SCALE 1:8

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE W40 MOTOR NEMA PREMIUM EFF					
CHECKED		FRAME 324T IP23 ODP					
RELEASED		WEG code: 14493474					
REL DT	14.04.2019	WMO Jaragua do Sul	Product Engineering	SHEET	1 / 1		



40 HP 04 Poles 60Hz

A