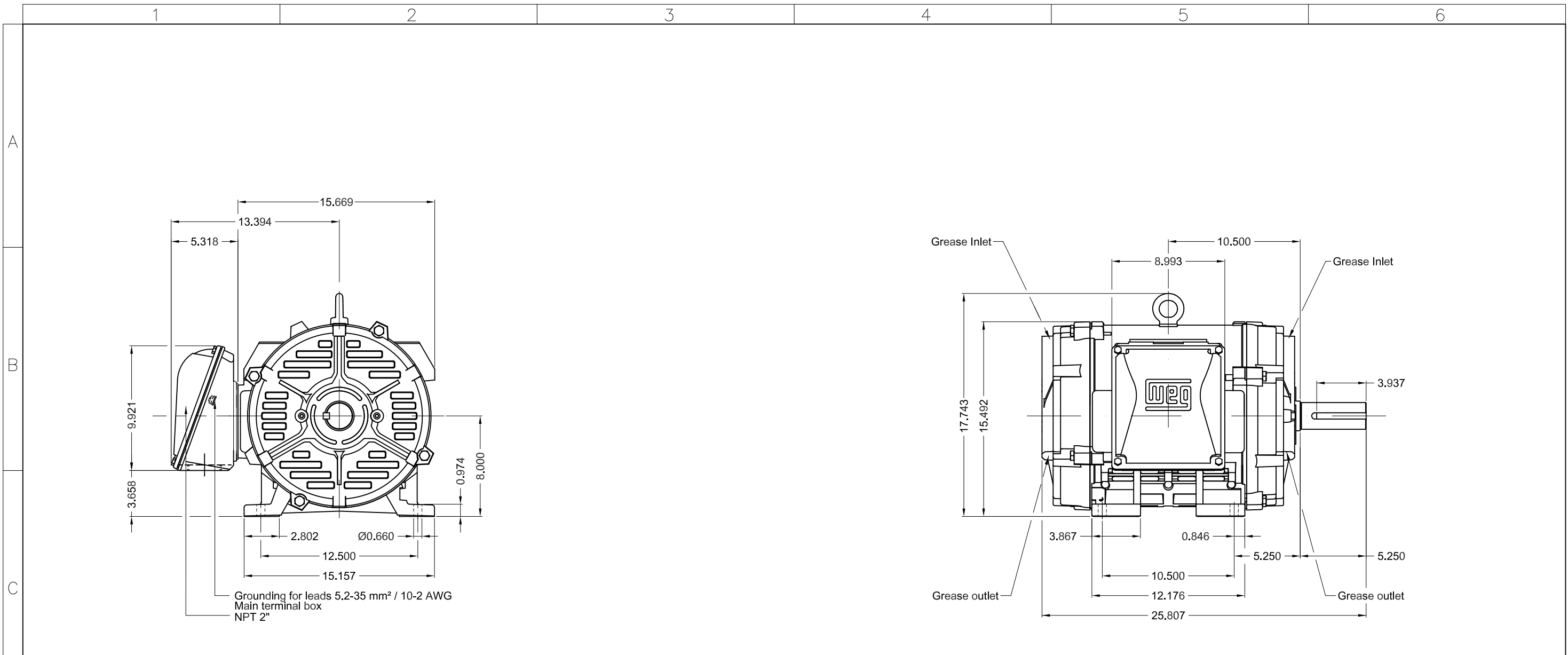


DATA SHEET

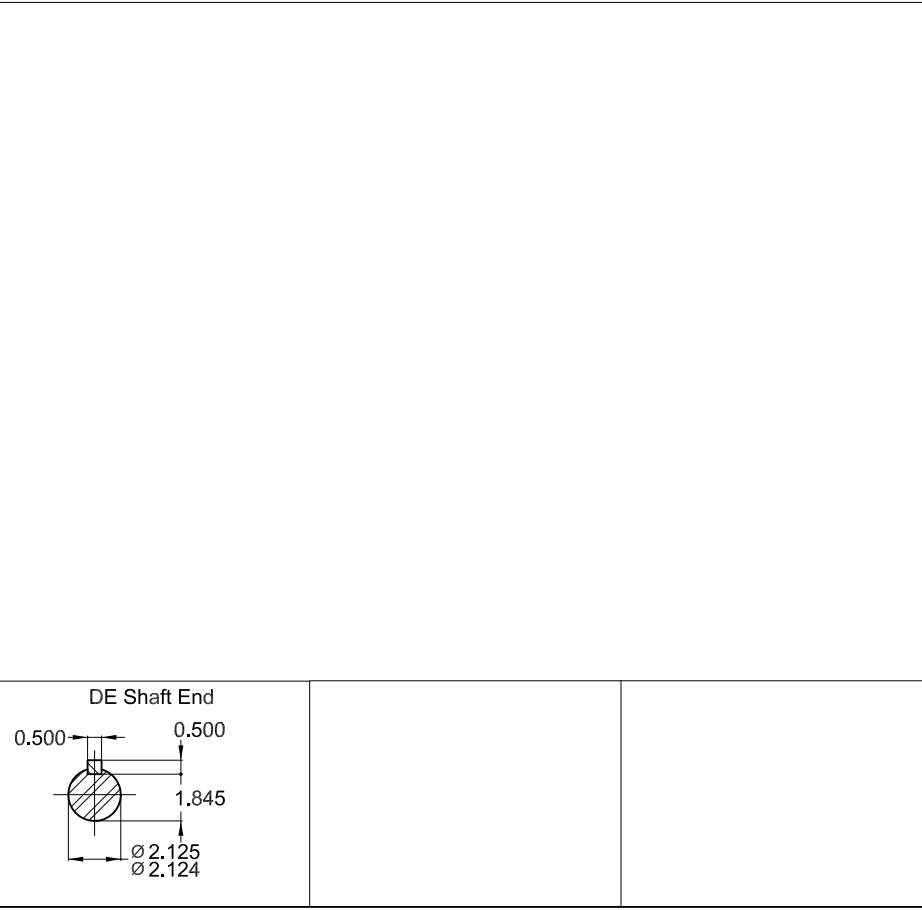


Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14496754			
		Catalog # : 04018OT3E324T-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	: 230/460 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 95.2/47.6 A	Protection degree	: IP23		
L. R. Amperes	: 590/295 A	Cooling method	: IC01 - ODP		
LRC	: 6.2x(Code G)	Mounting	: F-1		
No load current	: 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	: 118 ft.lb	Approx. weight ³	: 449 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					
USABLE @208V 105A SF 1.15 SFA 121A					
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	07/11/2023			Page	Revision
				1 / 1	



Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B3R(D)



40 HP 04 Poles 60 Hz										A		
										1:8		
										00		
ECM	LOC	SUMMARY OF MODIFICATIONS					USERADMIN	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PH. MOTOR W40 NEMA PREM. EFF.					PREVIEW					
CHECKED		FRAME 324T IP23 ODP					WDD 00					
RELEASED							SHEET		1 / 1			
REL. DATE		WMO Jaragua do Sul Product Engineering										

Dimensions in inches XME A3



60Hz: For use on PWM: VT 1000:1, CT 3:1,
1.00SF



Mod.T01#FOXON
CC029A

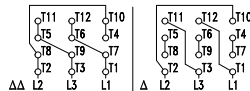
MODEL 040180T3E324T-W40

Inverter Duty Motor
IEC 60034-1

MADE IN BRAZIL
14496754

PH3 Fr. 324T DUTY CONT. ODP(IC01) IP23 DES B(N) Code G
449lb 1000m.a.s.l. INS cl. F DT 80K AMB 40°C SF 1.00//1.25

V	Hz	kW	HP	RPM	A	SFA	PF	IE code	NEMA NOM EFF			
									η 100%	75%	50%	
230 $\Delta\Delta$	460 Δ	60	30	40	1775	95.2	47.6	119	59.5	0.84	IE3	94.1/94.1/93.6
380 Δ	-	50	22	30	1475	43.3	-	43.3	-	0.83	IE3	93.0/93.0/92.6
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-



6312-Z-C3 (21g)



6211-Z-C3 (11g)

MOBIL POLYREX EM (20000h)

