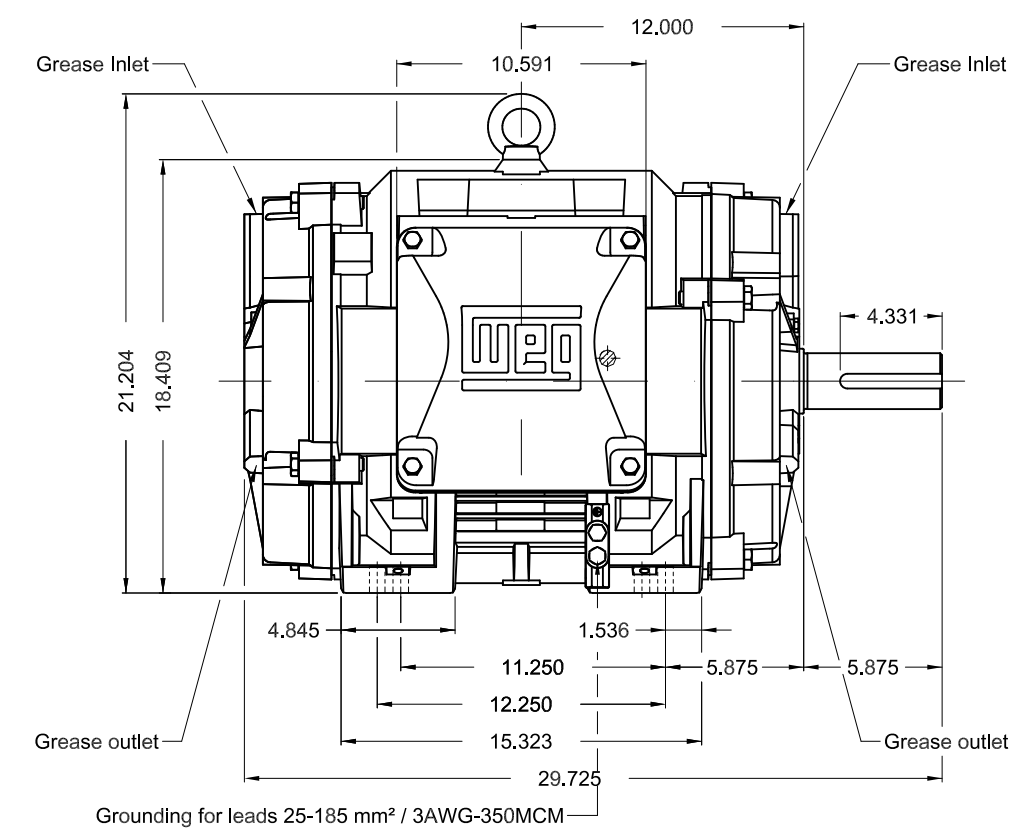
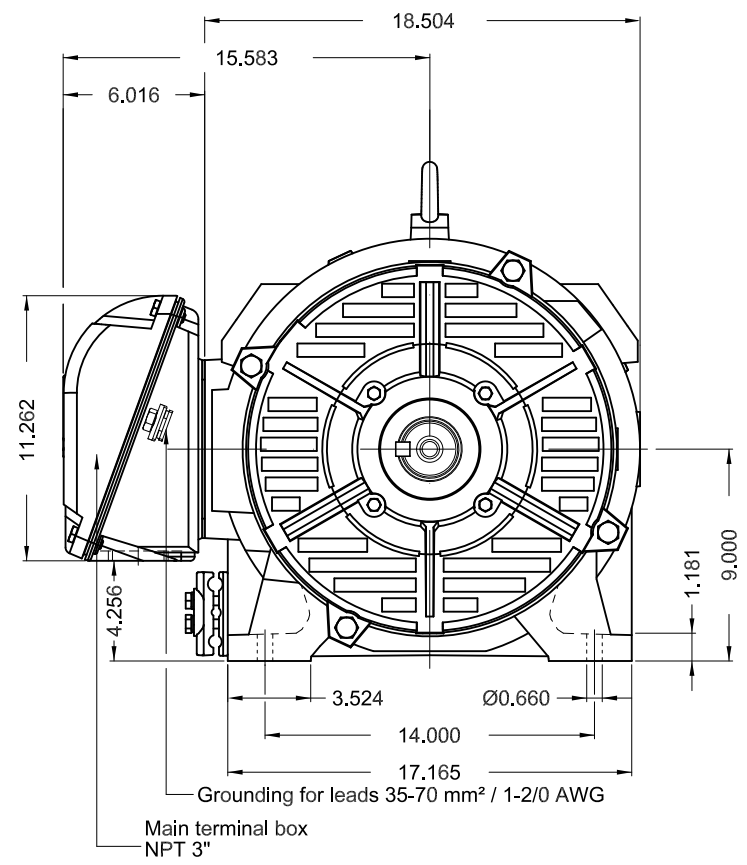


DATA SHEET

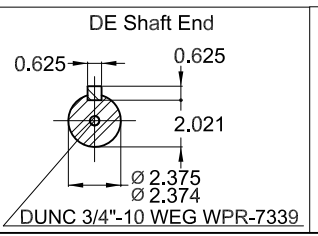


Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14270884			
		Catalog # : 06018OT3E364T-W40			
Frame	: 364/5T	Locked rotor time	: 34s (cold) 19s (hot)		
Output	: 60 HP (45 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	: 140/69.9 A	Protection degree	: IP23		
L. R. Amperes	: 909/454 A	Cooling method	: IC01 - ODP		
LRC	: 6.5x(Code G)	Mounting	: F-1		
No load current	: 49.4/24.7 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1780 rpm	Noise level ²	: 69.0 dB(A)		
Slip	: 1.11 %	Starting method	: Direct On Line		
Rated torque	: 177 ft.lb	Approx. weight ³	: 746 lb		
Locked rotor torque	: 200 %				
Breakdown torque	: 240 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 15.6 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	94.4	94.5	95.0	95.0	
Power Factor	0.48	0.73	0.82	0.85	
Foundation loads					
Max. traction : 1263 lb					
Max. compression : 2009 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6314 C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	27 g	13 g		
Lubricant type	:	Mobil Polyrex EM			
Notes					
USABLE @208V 155A SF 1.15 SFA 178A					
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)



60 HP 04 Poles 60 Hz										A	
										1:8	
										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PH. MOTOR W40 NEMA PREM. EFF.					PREVIEW				
CHECKED		FRAME 364/5T IP23 ODP					WDD 00				
RELEASED							SHEET		1 / 1		
REL. DATE		WMO	Jaragua do Sul	Product Engineering							





60Hz: For use on PWM: VT 1000:1, CT 2:1,
1.00SF



Mod.T01#FOXON
CC029A

MODEL 060180T3E364T-W40

Inverter Duty Motor
IEC 60034-1

MADE IN BRAZIL
14270884

PH3 60Hz Fr. 364/5T 1000m.a.s.l. IP23 ODP 746lb

V 230/460

A 140/69.9

HP 60

kW 45

SF 1.25

SFA 175/87.4

RPM 1780

PF 0.85

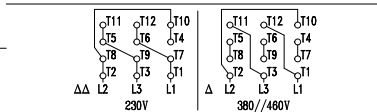
AMB 40°C

INS cl. F DT80K NEMA NOM EFF 95.0%

DUTY CONT.

DES B Code G

50HP 37kW 50Hz 380V 69.6A 1480RPM SF 1.00 EFF 93.9% (IE3) DES N



→ 6314-C3 (27g)

→ 6212-Z-C3 (13g)



MOBIL POLYREX EM (20000h)

