

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 13593623		
		Catalog # : 40036OT3G447/9TS-W40		
Frame : 447/9TS	Output : 400 HP (300 kW)	Poles : 2	Frequency : 60 Hz	Rated voltage : 460 V
Rated current : 442 A	L. R. Amperes : 2873 A	LRC : 6.5x(Code G)	No load current : 100 A	Rated speed : 3565 rpm
Slip : 0.97 %	Rated torque : 589 ft.lb	Locked rotor torque : 170 %	Breakdown torque : 250 %	Insulation class : F
Service factor : 1.15	Moment of inertia (J) : 39.1 sq.ft.lb	Design : A	Locked rotor time : 25s (cold) 14s (hot)	Temperature rise : 80 K
			Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C
			Altitude : 1000 m.a.s.l.	Protection degree : IP23
			Cooling method : IC01 - ODP	Mounting : F-1
			Rotation ¹ : Both (CW and CCW)	Noise level ² : 87.0 dB(A)
			Starting method : Direct On Line	Approx. weight ³ : 2025 lb
Output	25%	50%	75%	100%
Efficiency (%)	95.3	95.4	95.8	95.8
Power Factor	0.61	0.83	0.88	0.89
Foundation loads				
Max. traction : 3520 lb				
Max. compression : 5545 lb				
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type :	6314 C3		6314 C3	
Sealing :	Without Bearing Seal		Without Bearing Seal	
Lubrication interval :	14418 h		14418 h	
Lubricant amount :	27 g		27 g	
Lubricant type :	Mobil Polyrex EM			
Notes				
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
Performed by			Page	Revision
Checked by				
Date	11/10/2023			
			1 / 2	

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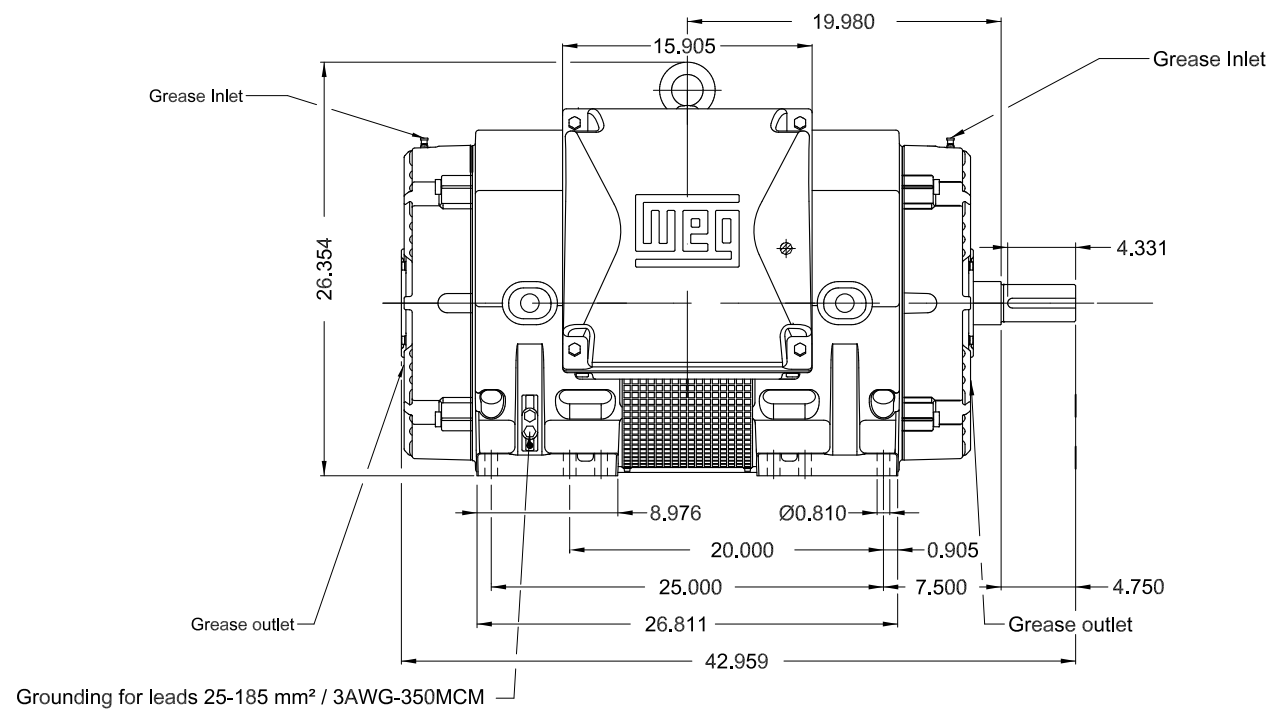
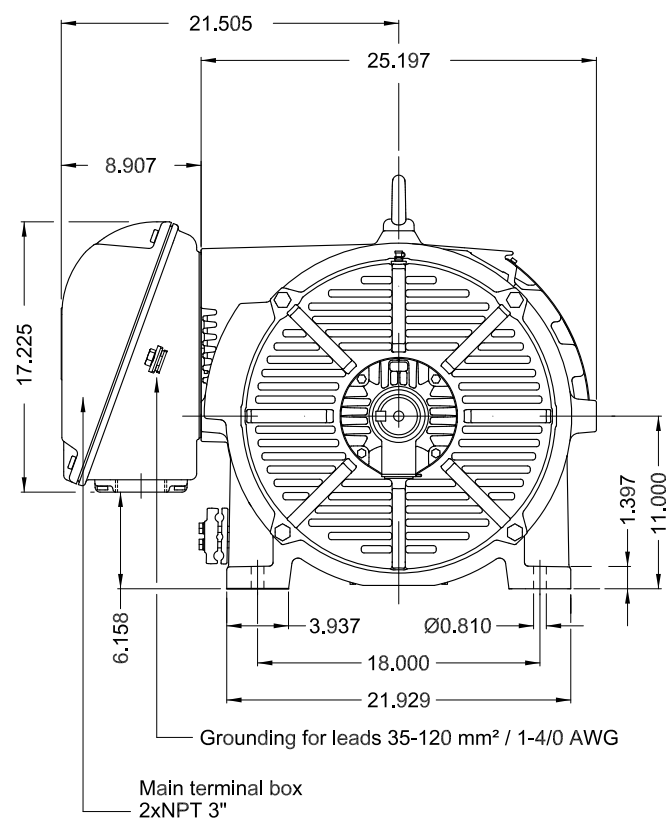
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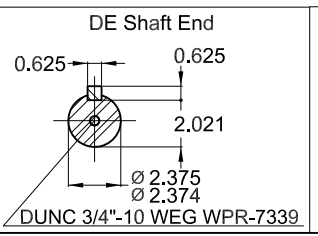
Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
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Color RAL 5009
 Painting plan 203A
 Mounting NEMA F-1
 Mounting B3R(D)



400 HP 02 Poles 60 Hz A

1:12

ECM	LOC		THREE PH. MOTOR W40 NEMA PREM. EFF.	PREVIEW WDD 00		
EXECUTED	HYBRISUSER		FRAME 447/9TS IP23 ODP	SHEET 1 / 1		
CHECKED						
RELEASED						
REL. DATE		WMO	Jaragua do Sul	Product Engineering		



Mod.T01#FOXON
CC029A

MODEL 400360T3G447/9TS-W40

Electric Motor
Severe Duty

MADE IN BRAZIL
13593623

PH3 60Hz Fr. 447/9TS 1000m.a.s.l. IP23 ODP 2025lb

V 460

A 442

HP 400

kW 300

SF 1.15

SFA 508

RPM 3565

PF 0.89

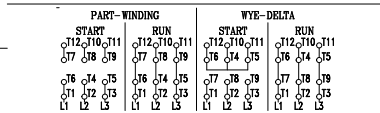
AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 95.8%

DUTY CONT.

DES A Code G



→ 6314-C3 (27g)

→ 6314-C3 (27g)



MOBIL POLYREX EM (14418h)

