

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14285017
Catalog # : 20018OT3G445TSD-W40

Frame	: 444/5TSD	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 200 HP (150 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 234 A	Protection degree	: IP23
L. R. Amperes	: 1544 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: F-1
No load current	: 86.5 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1783 rpm	Noise level ²	: 78.0 dB(A)
Slip	: 0.94 %	Starting method	: Direct On Line
Rated torque	: 589 ft.lb	Approx. weight ³	: 1422 lb
Locked rotor torque	: 210 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 46.4 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	95.3	95.4	95.8	95.8	Max. traction	: 3743 lb
Power Factor	0.46	0.72	0.80	0.84	Max. compression	: 5165 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	

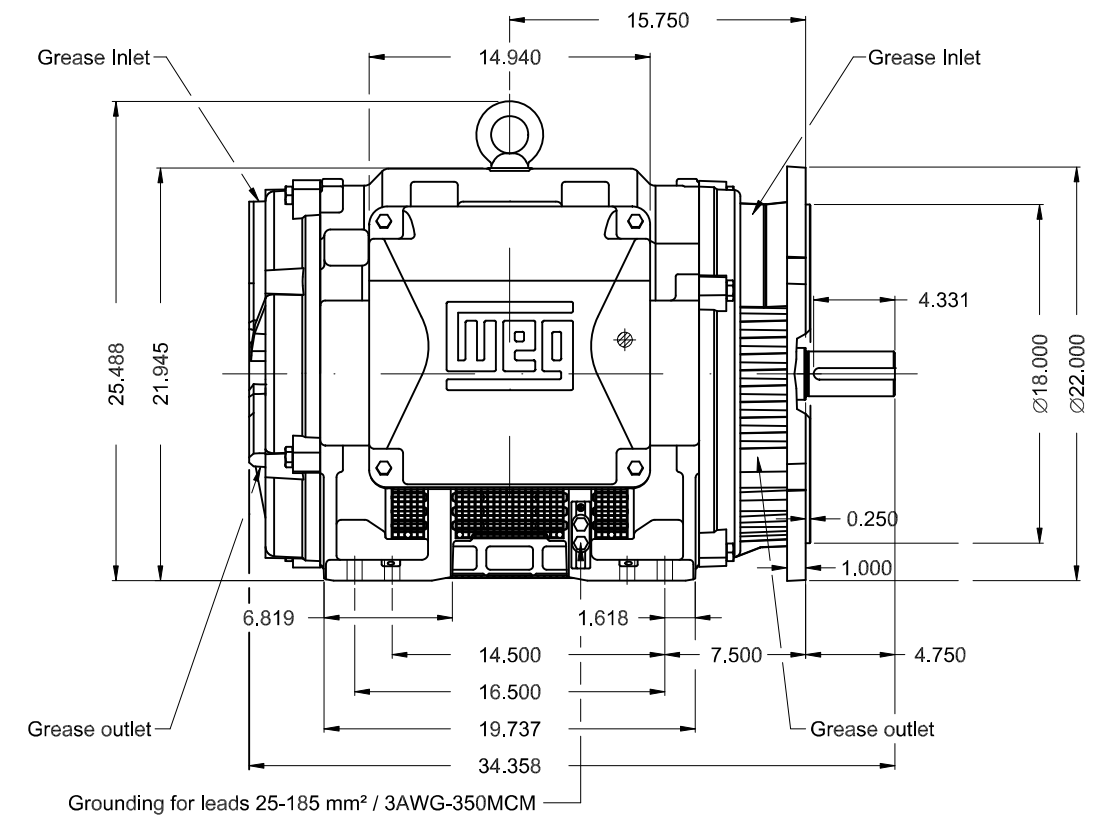
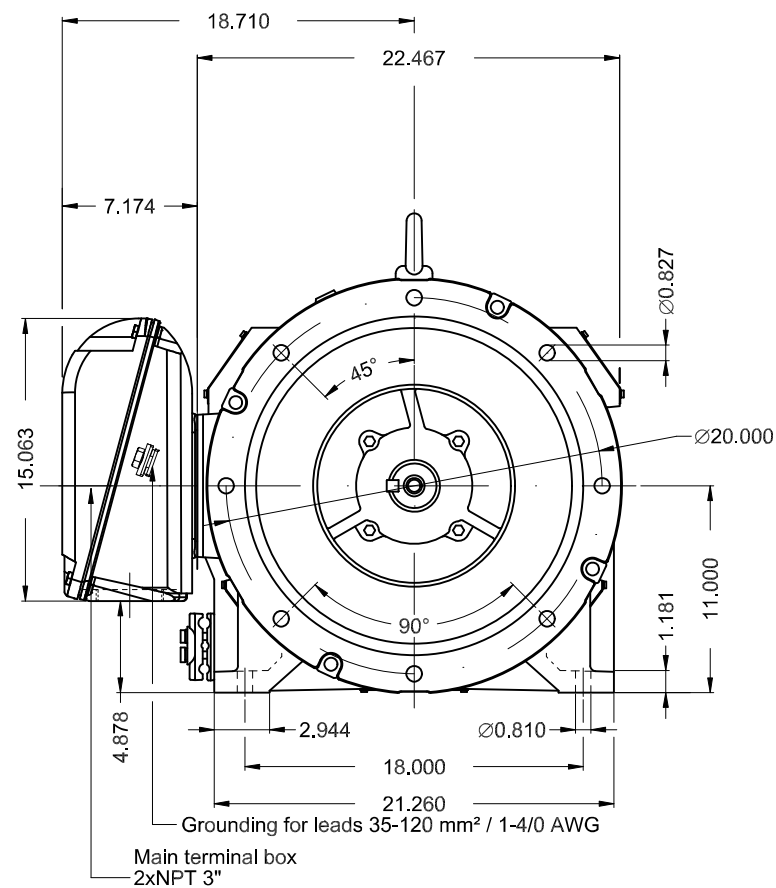
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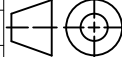
This revision replaces and cancel the previous one, which must be eliminated.

- (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		Page Revision 1 / 1		
Checked by				
Date	12/03/2025			



200 HP 04 Poles 60 Hz										A	
										1:10	
							HYBRISUSER				
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR W40 NEMA PREM. EFF. FRAME 444/5TSD IP23 ODP					PREVIEW WDD 00			
CHECKED											
RELEASED											
REL. DATE		WMO	Jaragua do Sul		Product Engineering		SHEET		1 / 1		

WEG's property. Forbidden reproduction without previous authorization.

Dimensions in inches

XME	A3

MADE IN BRAZIL
14285017



NEMA
Premium
W40

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



Mod.T01#FOXON
CC029A

MODEL 200180T3G445TSD-W40

Inverter Duty Motor

PH3 60Hz Fr. 444/5TSD 1000m.a.s.l. IP23 ODP 1421lb

V 460

A 234

HP 200

kW 150

SF 1.15

SFA 269

RPM 1783

PF 0.84

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 95.8%

DUTY CONT.

DES B Code G

175HP 132kW 50Hz 380V 247A 1480RPM SF 1.00 EFF 95.6% (IE3)

PART-WINDING

START



RUN



WYE-DELTA

START



RUN



→ 6314-C3 (27g)

→ 6212-Z-C3 (13g)



MOBIL POLYREX EM (20000h)

