DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 Tru-Metric IE3 Three-Phase	Product code :	11567399
		Catalog # :	03036ET3Y200L-W22

Frame	: 200L	Locked rotor time	: 37s (cold) 21s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 47.6 A	Protection degree	: IP55
L. R. Amperes	: 414 A	Cooling method	: IC411 - TEFC
LRC	: 8.7	Mounting	: B3L(E)
No load current	: 18.0 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3570 rpm	Noise level[2]	: 76.0 dB(A)
Slip	: 0.83 %	Starting method	: Direct On Line
Rated torque	: 58.8 ft.lb	Approx. weight[3]	: 580 lb
Locked rotor torque	: 360 %		
Breakdown torque	: 360 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 4.44 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%
Efficiency (%)	90.3	91.0	92.4	93.0
Power Factor	0.47	0.73	0.81	0.85

Foundation loads

Max. traction	: 521 lb
Max. compression	: 1101 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
7.0	4.8	4.1	4.5	2.4	1.8	1.0

		Drive end	Non drive end
Bearing type	:	6312 C3	6212 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	12000 h	15000 h
Lubricant amount	:	21 g	13 g
Lubricant type	:	Mobil Polyrex EM	

Notes

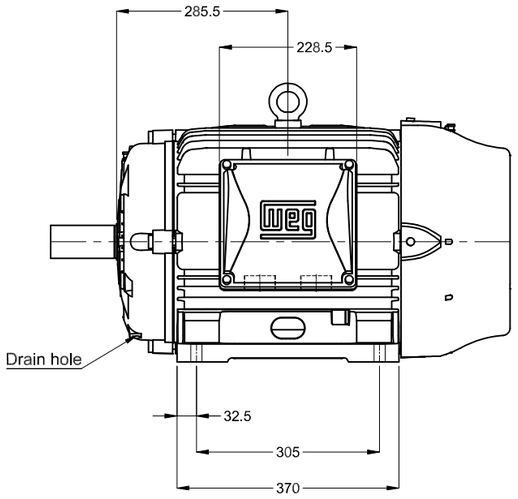
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

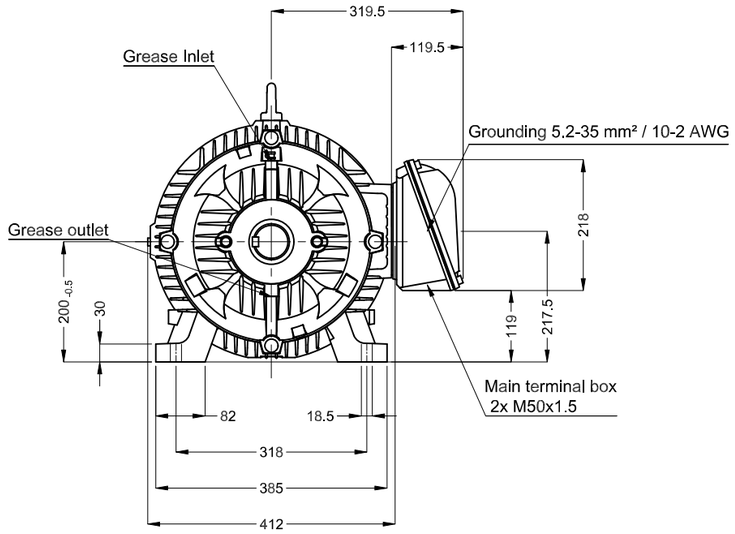
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

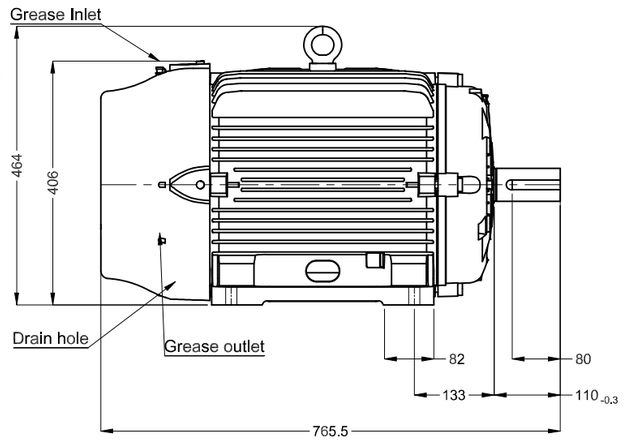
Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/03/2025		1 / 1	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice

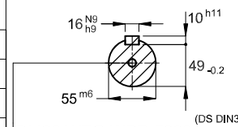






Without vertical jackscrews
Color RAL 5009
Painting plan 203A
Mounting B3L(E)

DE Shaft End



DM20 WEG WPR-7339

40 HP 02 Poles 60 Hz | A

Scale 1 : 10

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 IE3	PREVIEW
CHECKED		FRAME 200L IP55 TEFC	WDD 00
RELEASED			SHEET 1 / 1
REL. DATE			

Dimensions in mm

A3

WEG's property. Forbidden reproduction without previous authorization.

Premium

W22 Tru-metric

FOR SAFE AREA
Mod.TE1BF0X0$
CC029A

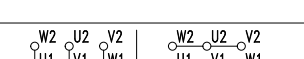
Class I, Div 2, Gr A, B, C and D – T3
Class I, Zone 2, IIC – T3
Class II, Div 2, Gr F and G – T4
60Hz: For use on PWM: Gr. A, B, C, D and F,
VT 1000:1, CT 20:1, 1.00SF – T3A

MODEL 03036ET3Y200L-W22

Inverter Duty Motor
Severe Duty

MADE IN BRAZIL
11567399

PH3 Fr. 200L DUTY CONT. IP55 DES N Code K IEC 60034-1
580lb 1000m.a.s.l. INS cl. F DT 80K AMB 40°C SF 1.25//1.00



V		Hz	kW	HP	RPM	A		SFA		PF	IE code	NEMA NOM EFF η 100%/75%/50%
460Δ	–	60	30	40	3570	47.6	–	59.5	–	0.85	IE3	93.0/92.4/91.0
380Δ	–	50	30	40	2960	55.3	–	55.3	–	0.88	IE3	93.6/93.6/93.1
415Δ	–	50	30	40	2970	53.1	–	53.1	–	0.84	IE3	93.6/93.4/92.6
–	–	–	–	–	–	–	–	–	–	–	–	–



6312-C3 (21g)

6212-C3 (13g)

MOBIL POLYREX EM (12000h)