

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%	Foundation loads	
Efficiency (%)	90.3	91.0	92.4	93.0	Max. traction	: 521 lb
Power Factor	0.47	0.73	0.81	0.85	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	

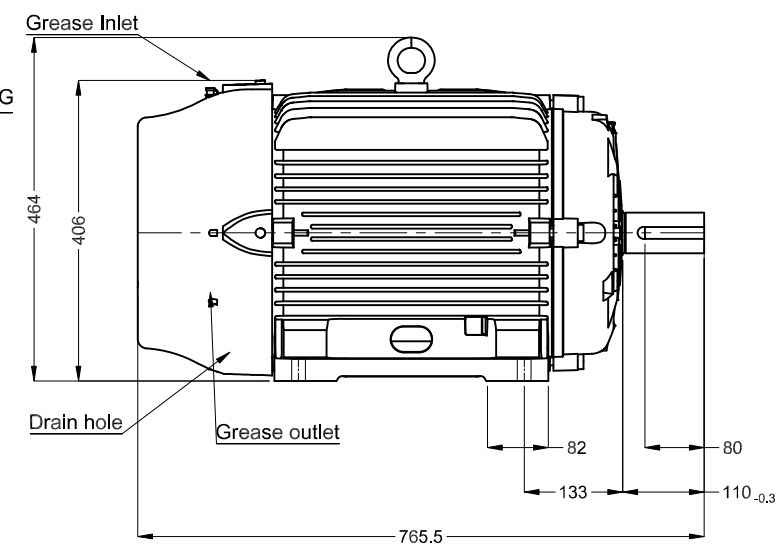
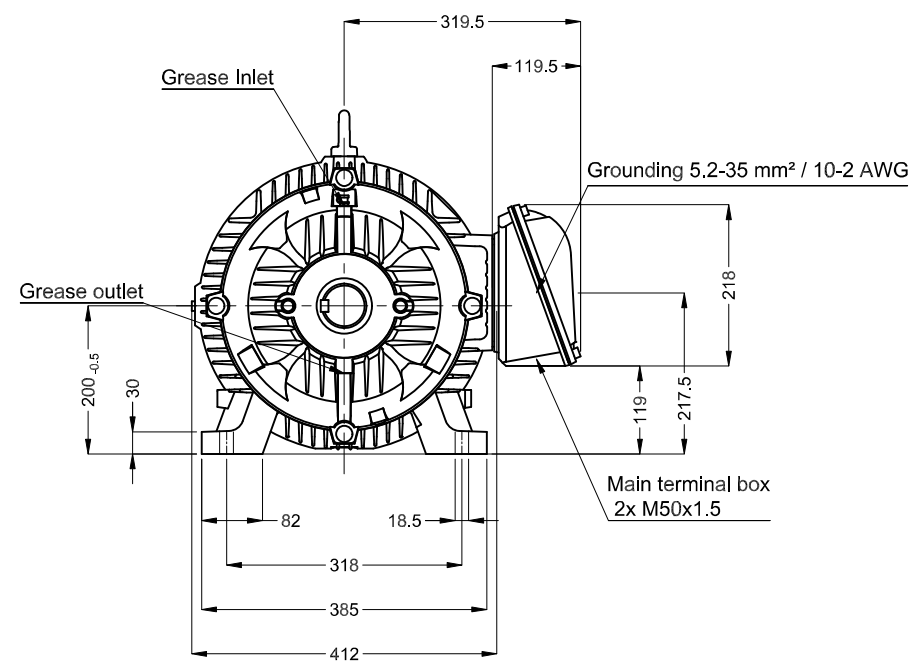
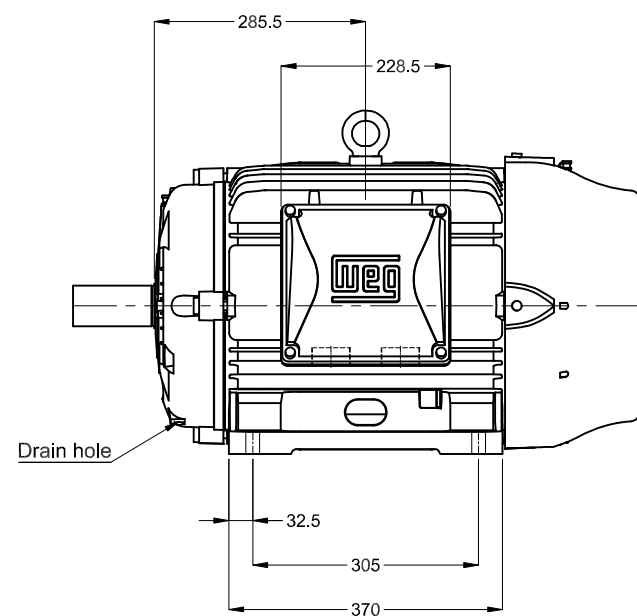
Notes

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				
Date	11/03/2025			
		Page		Revision
		1 / 1		

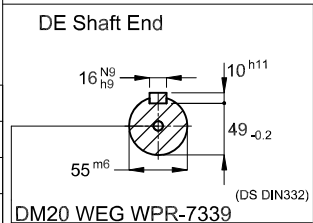


Without vertical jackscrews

Color RAL 5009

Painting plan 203A

Mounting B3L(E)



40 HP 02 Poles 60 Hz

	A
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Scale 1 : 10

	HYBRISUSER
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ECM

LOC

SUMMARY OF MODIFICATIONS

EXECUTED

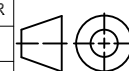
CHECKED

RELEASED

DATE	VER
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EXECUTED

HYBRISUSER



THREE PH. MOTOR W22 IE3

FRAME 200L IP55 TEFC

CHECKED

RELEASED

REL. DATE

PREVIEW

WDD

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	SHEET
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WEG's property. Forbidden reproduction without previous authorization.

Dimensions in mm

A3



Premium

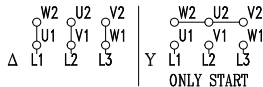
W22 Tru-metric

MODEL 03036ET3Y200L-W22

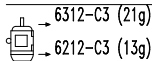
Inverter Duty Motor
Severe DutyFOR SAFE AREA
Mod. TE1BFOX0\$
CC029AUK
CAEALC

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

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
—	—	—	—	—	—	—	—	—	—	—	—	—



MOBIL POLYREX EM (12000h)