DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: ASTRAPROM
Product line	: W22Xec Increased Safety - Premium Efficiency IE3 Multivoltage
Product code	: 15442741

Frame	: 200L	Locked rotor time	: 13 s (hot) 23 s (cold)
Output	: 36 kW (49 HP)	Duty cycle	: S1
Poles	: 2	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 440 V	Protection degree	: IP55
Rated current	: 59.1 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 425 A	Mounting	: B3T
LRC	: 7.2	Rotation[1]	: Both
No load current	: 19.0 A	Noise level[2]	: 76 dB(A)
Rated speed	: 3560 rpm	Starting method	: Direct On Line
Slip	: 1.11 %	Approx. weight[3]	: 235 kg
Rated torque	: 9.85 kgfm	Design	: N
Locked rotor torque	: 280 %		
Pull up torque	: 190 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.1703 kgm²		

Output	50%	75%	100%
Efficiency (%)	92.0	93.0	93.0
Power Factor	0.74	0.82	0.86

Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type	6312-C3	6212-C3
Lubrication interval	15000 h	18000 h
Lubricant amount	21 g	13 g
Lubricant type	MOBIL POLYREX EM	

Foundation loads
Max. traction : 230 kgf
Max. compression : 465 kgf

Notes:
Naval Certification Organism: NOT APPLICABLE
Naval Service: NOT APPLICABLE

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)
7.49	6.08	5.47	3.93	2.49	1.67	1.11

Standards

Specification	: IEC 60034-1	Vibration	: IEC 60034-14
Test	: IEC 60034-2	Tolerance	: IEC 60034-1
Noise	: IEC 60034-9		

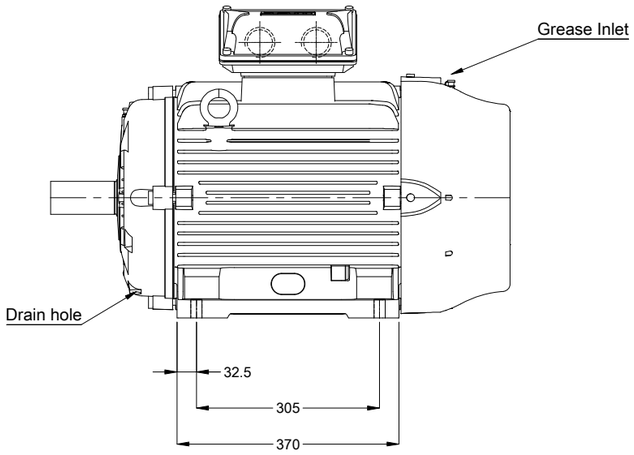
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

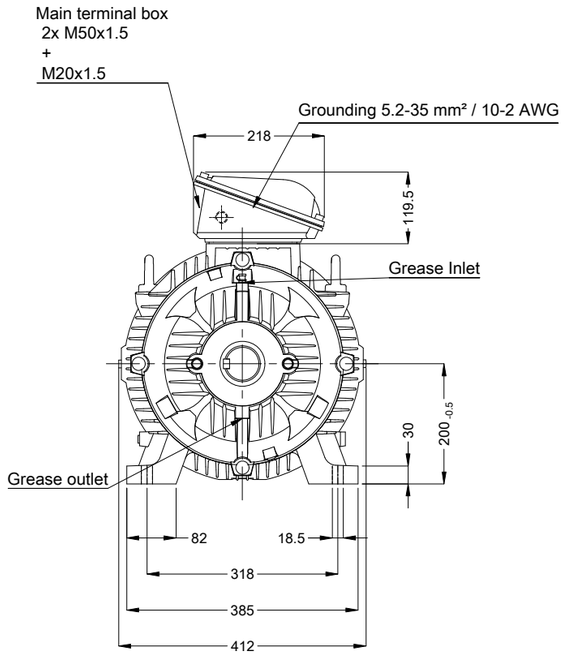
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

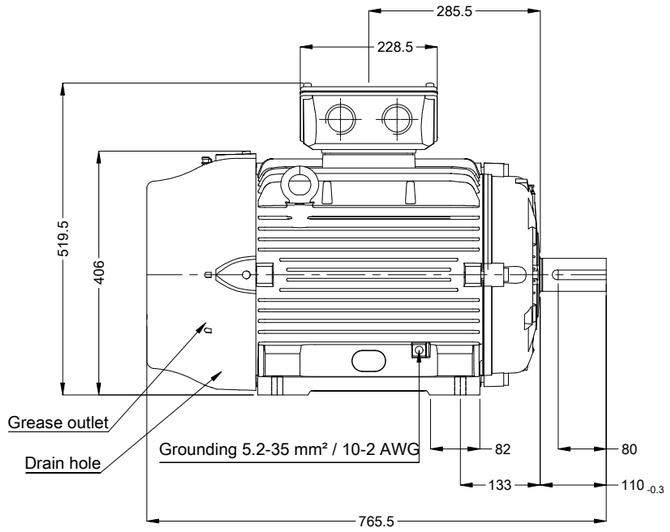
Rev.	Changes Summary	Performed	Checked	Date
				2026/11/03

Performed by				
Checked by			Page	Revision
Date	2026/11/03		1/1	0

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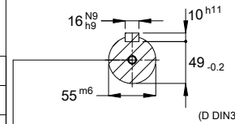


Color RAL 5009

Painting plan 203A

Mounting B3T

DE Shaft End



DM20 WEG WPR-7339

30 kW 02 Poles 50 Hz | A

Scale 1 : 10

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W22Xec IE3

FRAME 200L IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in mm

A3

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