DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: ASTRAPROM
Product line	: W22 - IE3 Premium Efficiency
Product code	: 14459471

Frame	: 100L	Locked rotor time	: 31 s (hot) 56 s (cold)
Output	: 1.5 kW (2 HP)	Temperature rise[4]	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l
Rated current	: 6.72/3.89 A	Protection degree	: IP55
L. R. Amperes	: 35.6/20.6 A	Cooling method	: IC411 - TEFC
LRC	: 5.3	Mounting	: B5T
No load current	: 3.97/2.30 A	Rotation[1]	: Both
Rated speed	: 950 rpm	Noise level[2]	: 44 dB(A)
Slip	: 5.00 %	Starting method	: Direct On Line
Rated torque	: 1.54 kgfm	Approx. weight[3]	: 32.0 kg
Locked rotor torque	: 230 %	Design	: N
Pull up torque	: 195 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0143 kgm²		

Output	50%	75%	100%
Efficiency (%)	82.3	82.5	82.5
Power Factor	0.50	0.64	0.71

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

	Drive end	Non drive end
Bearing type	6206-ZZ	6205-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

Foundation loads
Max. traction : 76 kgf
Max. compression : 108 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)
16.98	13.87	12.88	11.30	8.23	7.03	5.45

Standards

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

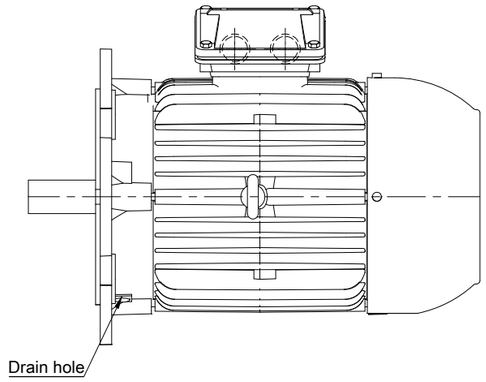
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

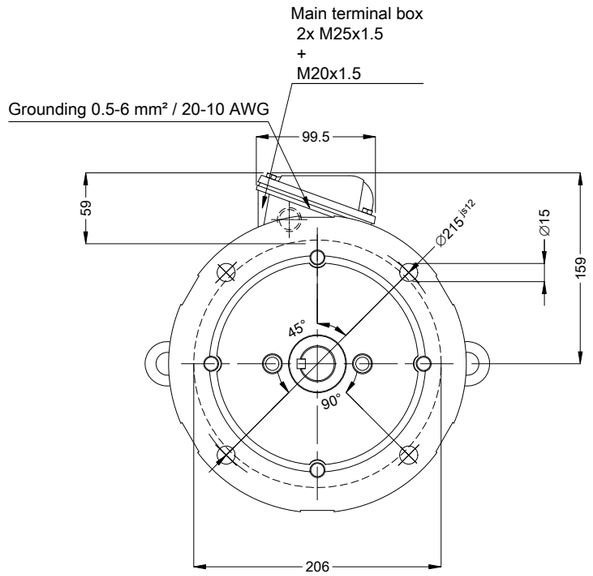
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

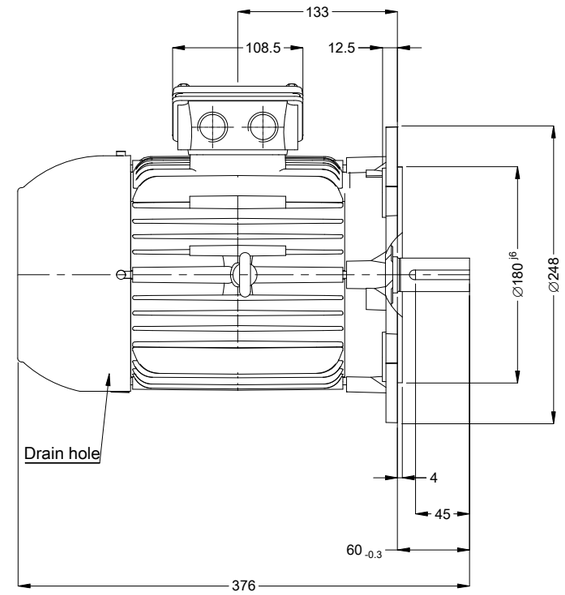
Rev.	Changes Summary	Performed	Checked	Date
				2026/11/03

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

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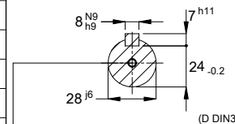






Sealing - oil seal ring	
Bearing cap	
Thermal protection to switch off - thermistors 155°C	
Color RAL 5009	
Painting plan 207A	
Mounting B5T	

DE Shaft End



DM10 WEG WPR-7339

1.5 kW 06 Poles 50 Hz | A

Scale 1 : 5

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W22 IE3
FRAME 100L IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in mm

A3

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