DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: ASTRAPROM
Product line	: W22 - IE3 Premium Efficiency Multivoltage
Product code	: 12867466

Frame	: L100L	Locked rotor time	: 15 s (hot) 27 s (cold)
Output	: 3 kW (4 HP)	Duty cycle	: S1
Poles	: 4	Ambient temperature	: -20 °C to +40 °C
Frequency	: 50 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 220/380 V	Protection degree	: IP55
Rated current	: 11.2/6.50 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 87.6/50.7 A	Mounting	: B3T
LRC	: 7.8	Rotation[1]	: Both
No load current	: 5.35/3.10 A	Noise level[2]	: 53 dB(A)
Rated speed	: 1430 rpm	Starting method	: Direct On Line
Slip	: 4.67 %	Approx. weight[3]	: 37.5 kg
Rated torque	: 2.04 kgfm	Design	: N
Locked rotor torque	: 360 %		
Pull up torque	: 305 %		
Breakdown torque	: 320 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.012 kgm²		

Output	50%	75%	100%
Efficiency (%)	87.7	88.0	87.7
Power Factor	0.61	0.74	0.8

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 : 145 kgf
Max. compression : 182 kgf

Notes:

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)
10.82	8.21	7.28	6.74	4.36	3.49	2.39

Standards

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

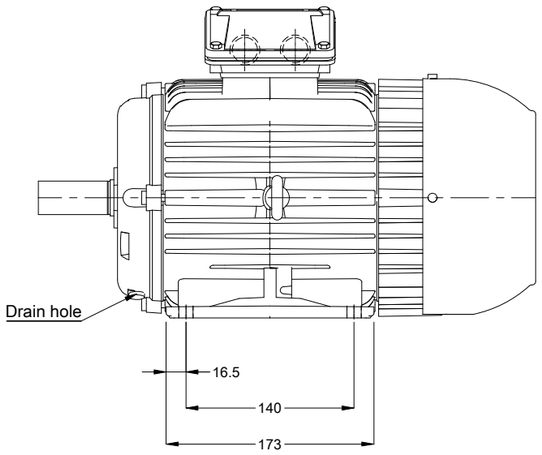
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

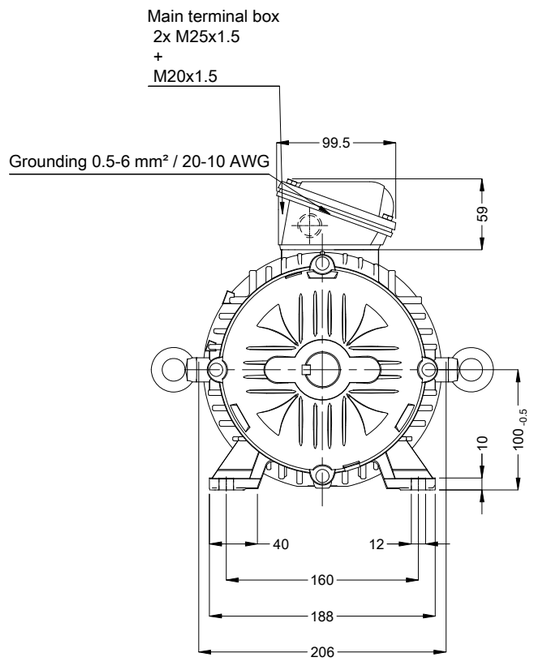
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

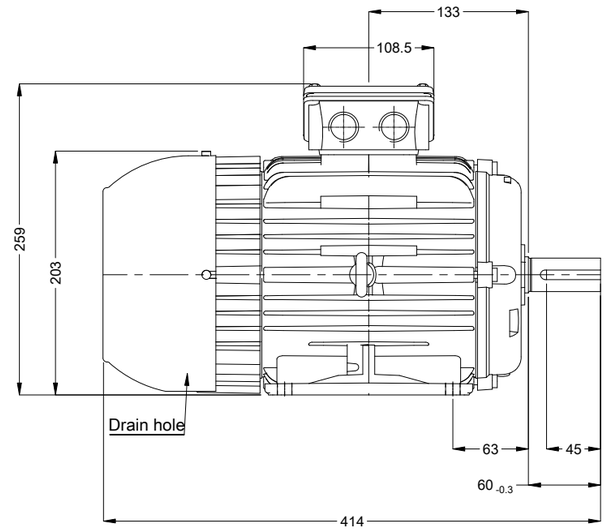
Rev.	Changes Summary	Performed	Checked	Date
				2026/11/05

Performed by				
Checked by			Page	Revision
Date	2026/11/05		1/1	0

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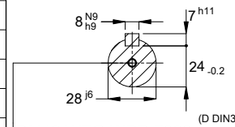






- Thermal protection to switch off - thermistors 155°C
- Color RAL 5009
- Painting plan 207A
- Mounting NEMA F-3
- Mounting B3T

DE Shaft End



DM10 WEG WPR-7339

3 kW 04 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 L100L IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in mm

A3

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