DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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

Frame	: 132S/M
Output	: 7.5 kW (10 HP)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 460 V
Rated current	: 12.7 A
L. R. Amperes	: 120 A
LRC	: 9.5
No load current	: 6.90 A
Rated speed	: 1770 rpm
Slip	: 1.67 %
Rated torque	: 4.13 kgfm
Locked rotor torque	: 280 %
Pull up torque	: 235 %
Breakdown torque	: 400 %
Insulation class	: F
Service factor	: 1.25
Moment of inertia (J)	: 0.0563 kgm²

Locked rotor time	: 11 s (hot) 20 s (cold)
Duty cycle	: S1
Ambient temperature	: -20 °C to +40 °C
Altitude	: 1000 m.a.s.l
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: B14T
Rotation[1]	: Both
Noise level[2]	: 58 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 74.0 kg
Design	: N

Output	50%	75%	100%
Efficiency (%)	90.1	91.2	91.7
Power Factor	0.62	0.74	0.81

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

	Drive end	Non drive end
Bearing type	6308-ZZ	6207-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

Foundation loads	
Max. traction	: 269 kgf
Max. compression	: 343 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)
9.04	8.21	7.95	4.25	3.21	2.14	1.80

Standards

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

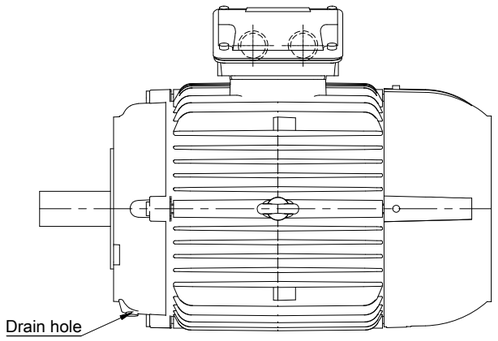
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

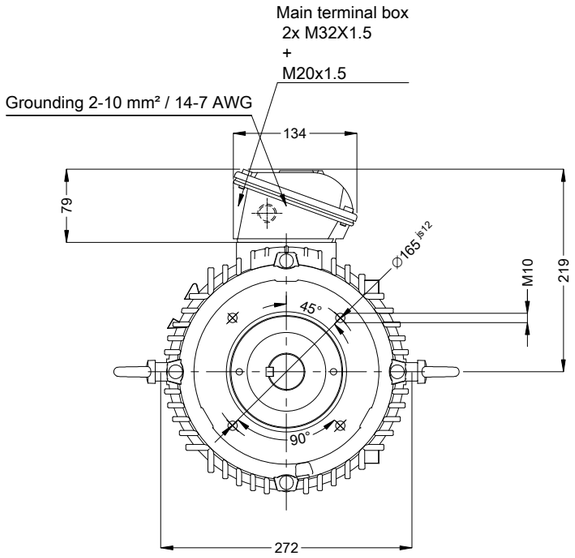
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

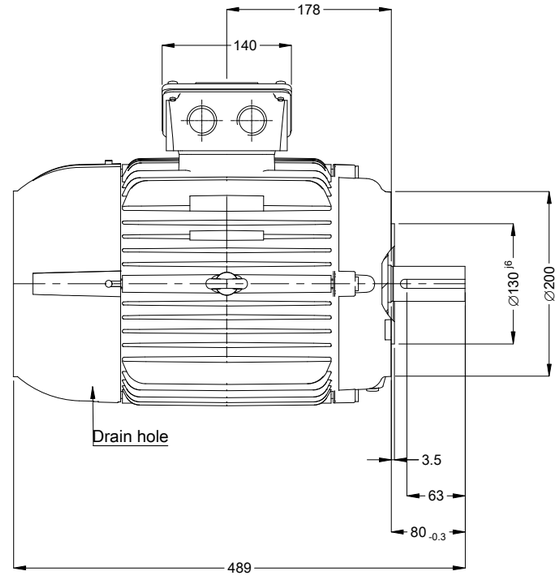
Rev.	Changes Summary	Performed	Checked	Date
				2026/11/12

Performed by				
Checked by			Page	Revision
Date	2026/11/12		1/1	0

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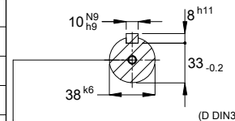






E	Sealing - oil seal ring
	Bearing cap
	Thermal protection to switch off - thermistors 155°C
	Color RAL 5009
	Painting plan 207A
	Mounting B14T

DE Shaft End



DM12 WEG WPR-7339

7.5 kW 04 Poles 50 Hz | A

Scale 2 : 13

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W22 IE3
FRAME 132S/M IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in mm

A3

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