

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: ASTRAPROM				
Product line		: W22 IE3 Three-Phase		Product code :		12868139
Frame	: 132M	Locked rotor time	: 23s (cold) 13s (hot)			
Output	: 9.2 kW (12.5 HP)	Temperature rise	: 80 K			
Frequency	: 50 Hz	Duty cycle	: S1			
Rated voltage	: 400/690 V	Ambient temperature	: -20°C to +40°C			
Poles	: 2	Altitude	: 1000 m.a.s.l.			
Rated current	: 16.6/9.65 A	Protection degree	: IP55			
LRC	: 8.5	Cooling method	: IC411 - TEFC			
Rated speed	: 2935 rpm	Mounting	: B5T			
Rated torque	: 30.0 Nm	Rotation ¹	: Both (CW and CCW)			
Insulation class	: F	Noise level ²	: 63.0 dB(A)			
Service factor	: 1.00	Starting method	: Direct On Line			
Moment of inertia (J)	: 0.0303 kgm ²	Approx. weight ³	: 84.1 kg			
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	88.0	90.0	90.7	Max. traction		
Power Factor	0.76	0.84	0.88	Max. compression		
				: 1424 N		
				: 2249 N		
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)
8.8	6.0	4.8	5.7	3.2	2.5	1.4
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6308 ZZ		6207 ZZ		
Sealing	:	Oil Seal		Lip Seal		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:		00088			
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 IEC 60034-1.		
Rev.	Changes Summary			Performed	Checked	Date
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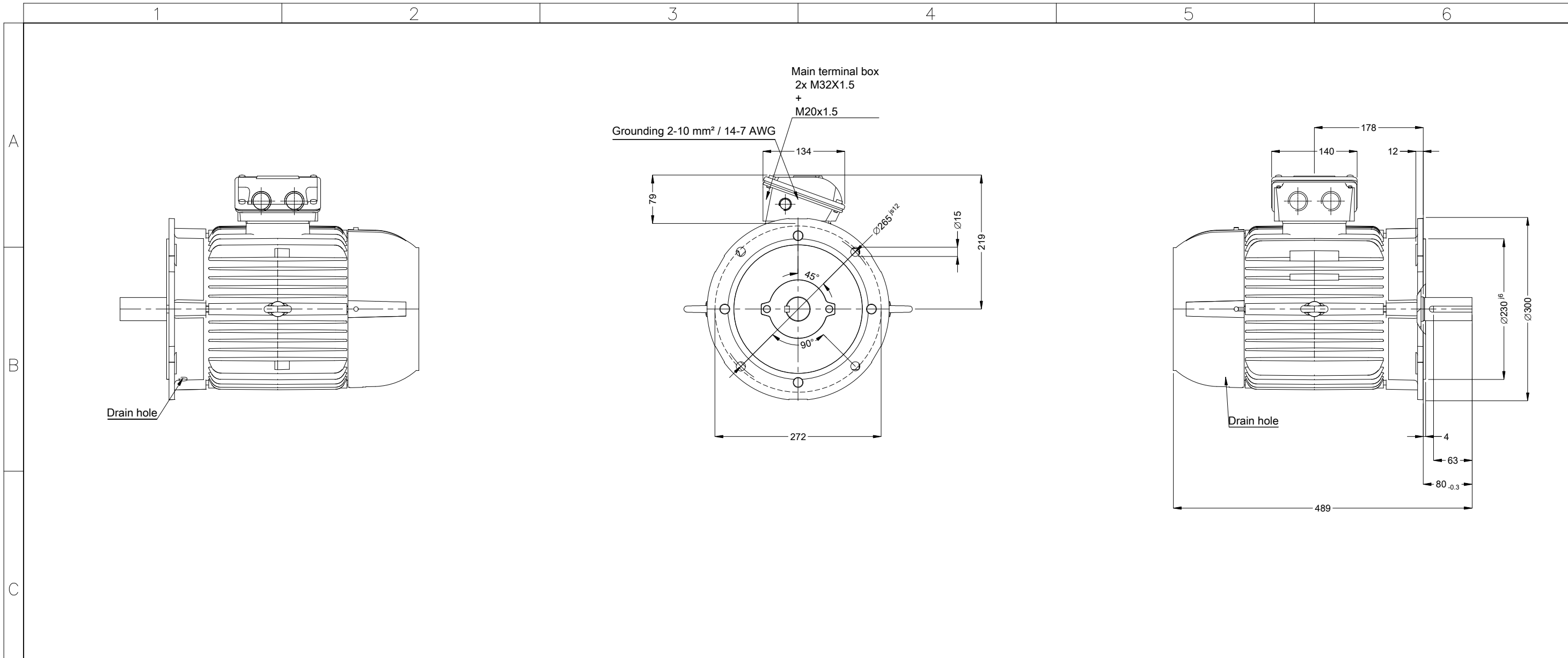
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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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D			9.2 kW 02 Poles 50 Hz		A					
			Scale 2 : 13							
E	Sealing - oil seal ring	DE Shaft End 			HYBRISUSER	00				
	Bearing cap		ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
	Thermal protection to switch off - thermistors 155°C		EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 IE3 FRAME 132M IP55 TEFC	PREVIEW WDD 00 SHEET 1 / 1				
	Color RAL 5009		CHECKED							
Painting plan 207A	RELEASED									
Mounting B5T	REL. DATE									