

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: ASTRAPROM				
Product line		: W22 IE3 Three-Phase			Product code : 12868136	
Frame	: 132M/L	Locked rotor time	: 27s (cold) 15s (hot)			
Output	: 5.5 kW (7.5 HP)	Temperature rise	: 80 K			
Frequency	: 50 Hz	Duty cycle	: S1			
Rated voltage	: 400/690 V	Ambient temperature	: -20°C to +40°C			
Poles	: 6	Altitude	: 1000 m.a.s.l.			
Rated current	: 12.9/7.47 A	Protection degree	: IP55			
LRC	: 7.3	Cooling method	: IC411 - TEFC			
Rated speed	: 970 rpm	Mounting	: B5T			
Rated torque	: 54.2 Nm	Rotation ¹	: Both (CW and CCW)			
Insulation class	: F	Noise level ²	: 53.0 dB(A)			
Service factor	: 1.00	Starting method	: Direct On Line			
Moment of inertia (J)	: 0.0755 kgm ²	Approx. weight ³	: 88.8 kg			
Design	: N					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	86.5	87.9	88.0	Max. traction : 2297 N	
Power Factor	0.00	0.50	0.64	0.70	Max. compression : 3168 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)
13.4	12.1	11.5	6.4	4.9	3.4	2.7
		<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
Performed by						
Checked by					Page	Revision
Date	27/03/2026				1 / 2	

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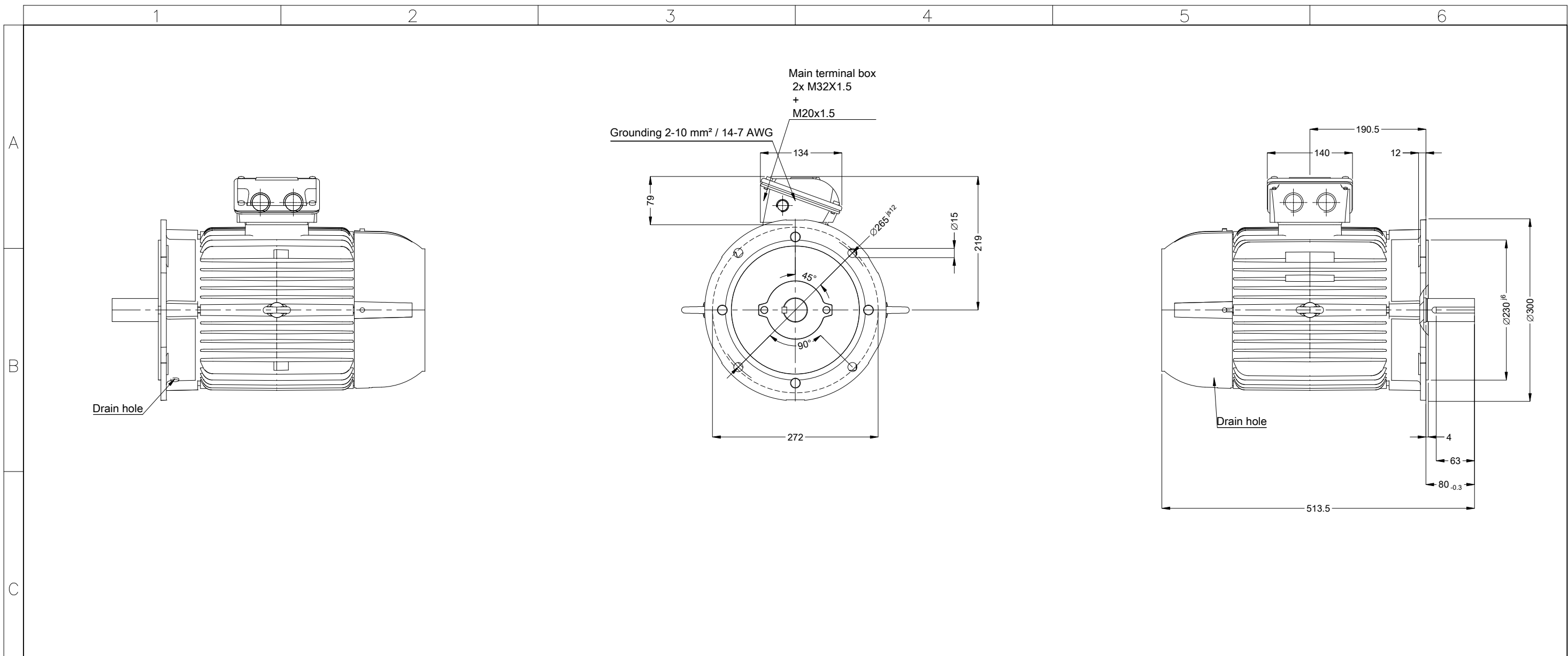
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Thermal protection

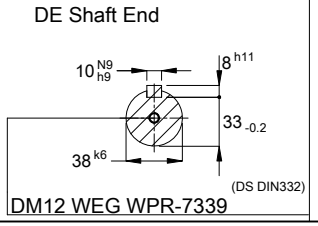
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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Performed by				
Checked by			Page	Revision
Date	27/03/2026		2 / 2	



				5.5 kW 06 Poles 50 Hz		A				
				Scale		2 : 13				
				HYBRISUSER		00				
		ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
		EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 IE3		EXECUTED		CHECKED	RELEASED	DATE
		CHECKED		FRAME 132M/L IP55 TEFC		EXECUTED		CHECKED	RELEASED	DATE
		RELEASED				EXECUTED		CHECKED	RELEASED	DATE
		REL. DATE				EXECUTED		CHECKED	RELEASED	DATE

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



				THREE PH. MOTOR W22 IE3		PREVIEW		WDD		00			
				FRAME 132M/L IP55 TEFC		EXECUTED		CHECKED		RELEASED			
						EXECUTED		CHECKED		RELEASED			
						EXECUTED		CHECKED		RELEASED		SHEET	1 / 1