

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase		Product code :		13097818	
Frame	: 90S/L	Locked rotor time	: 21s (cold) 12s (hot)	Output	: 2.2 kW (3 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1	Rated voltage	: 230/400 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.	Rated current	:	Protection degree	: IP55
LRC	: 7.5	Cooling method	: IC411 - TEFC	YDESCRICAO_CORRENTE	: N	Mounting	: B5T
Rated speed	: 2870 rpm	Rotation ¹	: Both (CW and CCW)	Moment of inertia (J)	: 0.0026 kgm ²	Noise level ²	: 62.0 dB(A)
Rated torque	: 7.32 Nm	Starting method	: Direct On Line	Design	: N	Approx. weight ³	: 20.8 kg
Insulation class	: F						
Service factor	: 1.00						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	86.0	86.5	86.3	Max. traction	: 691 N		
Power Factor	0.65	0.77	0.83	Max. compression	: 895 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)	
15.6	13.8	12.5	6.7	4.7	2.8	2.0	
			<u>Drive end</u>				<u>Non drive end</u>
Bearing type	:	6205 ZZ		6204 ZZ			
Sealing	:	Oil Seal		Oil Seal			
Lubrication interval	:	-		-			
Lubricant amount	:	-		-			
Lubricant type	:	Mobil Polyrex EM					
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							
Date	03/03/2026				Page	Revision	
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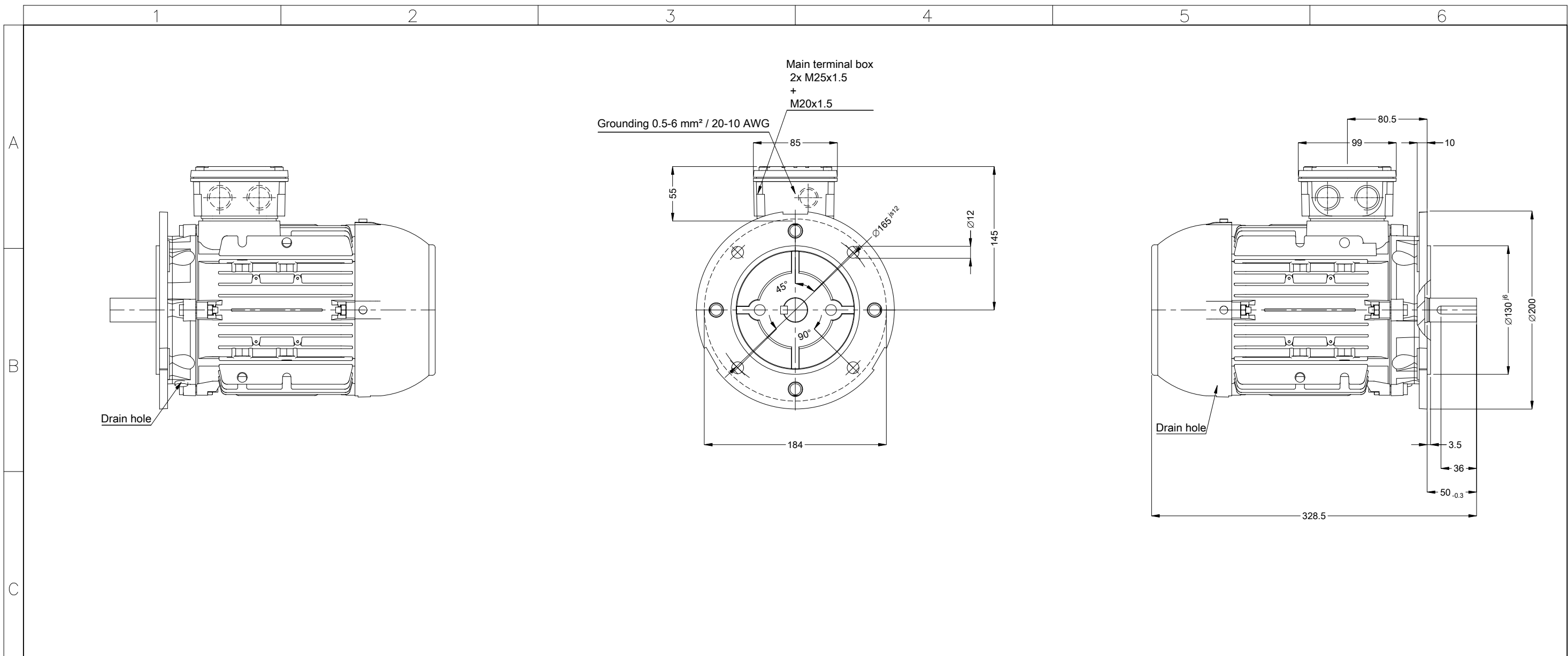


Customer : _____

Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date
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				2.2 kW 02 Poles 50 Hz		A				
				Scale		1 : 4				
				HYBRISUSER		00				
		ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		PREVIEW				
		CHECKED		FRAME 90S/L IP55 TEFC		WDD		00		
		RELEASED				SHEET		1 / 1		
		REL. DATE								

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

