

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Multimounting IE3 Three-Phase			Product code : 13312431	
Frame	: 100L			Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 2.2 kW (3 HP)			Temperature rise	: 80 K	
Frequency	: 50 Hz			Duty cycle	: S1	
Rated voltage	: 220/380 V			Ambient temperature	: -20°C to +40°C	
Poles	: 4			Altitude	: 1000 m.a.s.l.	
Rated current	:			Protection degree	: IP55	
LRC	: 7.2			Cooling method	: IC411 - TEFC	
Rated speed	: 1425 rpm			Mounting	: B14T	
Rated torque	: 14.8 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)	: 0.0090 kgm ²			Approx. weight ³	: 32.6 kg	
Design	: N					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	86.0	86.5	86.7	Max. traction : 894 N	
Power Factor	0.00	0.60	0.72	0.80	Max. compression : 1214 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)
14.8	13.2	12.9	6.8	5.0	3.2	2.4
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:			6206 ZZ	6205 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					Page	Revision
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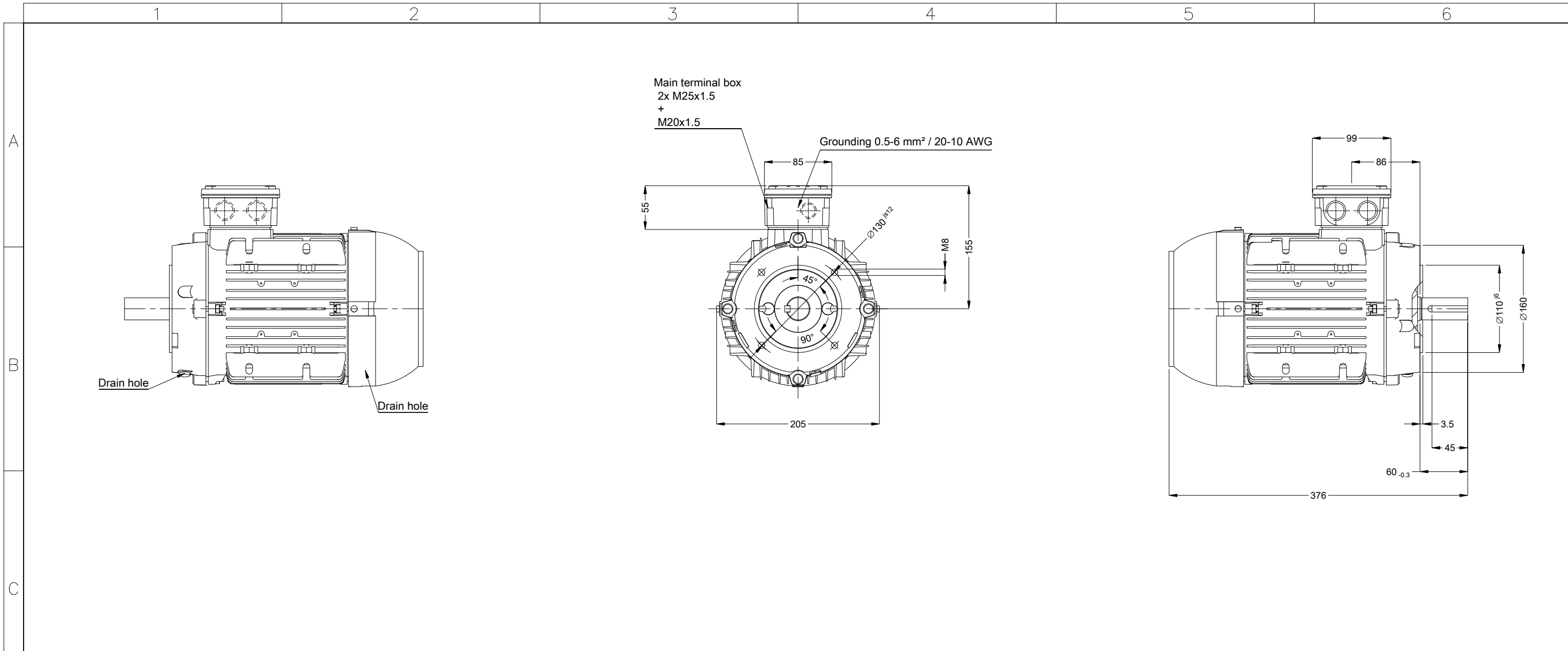


Customer : _____

Thermal protection

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

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Main terminal box
2x M25x1.5
+
M20x1.5
Grounding 0.5-6 mm² / 20-10 AWG

				2.2 kW 04 Poles 50 Hz		A				
				Scale		1 : 5				
				HYBRISUSER		00				
		ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		PREVIEW				
		CHECKED		FRAME 100L 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 B14T

