

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase		Product code :		13096348	
Frame	: L100L	Locked rotor time	: 27s (cold) 15s (hot)	Output	: 3 kW (4 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1	Rated voltage	: 230/400 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.	Rated current	:	Protection degree	: IP55
LRC	: 7.8	Cooling method	: IC411 - TEFC	YDESCRICAO_CORRENTE	: N	Mounting	: B5T
Rated speed	: 1440 rpm	Rotation ¹	: Both (CW and CCW)	Moment of inertia (J)	: 0.0120 kgm ²	Noise level ²	: 53.0 dB(A)
Rated torque	: 19.9 Nm	Starting method	: Direct On Line	Design	: N	Approx. weight ³	: 34.2 kg
Insulation class	: F						
Service factor	: 1.00						
Foundation loads							
Output	50%	75%	100%	Max. traction		: 1809 N	
Efficiency (%)	87.0	88.0	88.0	Max. compression		: 2144 N	
Power Factor	0.58	0.71	0.78				
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)	
13.2	11.6	11.2	6.0	4.4	2.8	2.1	
Bearing type			: 6206 ZZ	Non drive end			: 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	
Date	04/03/2026				1 / 2		

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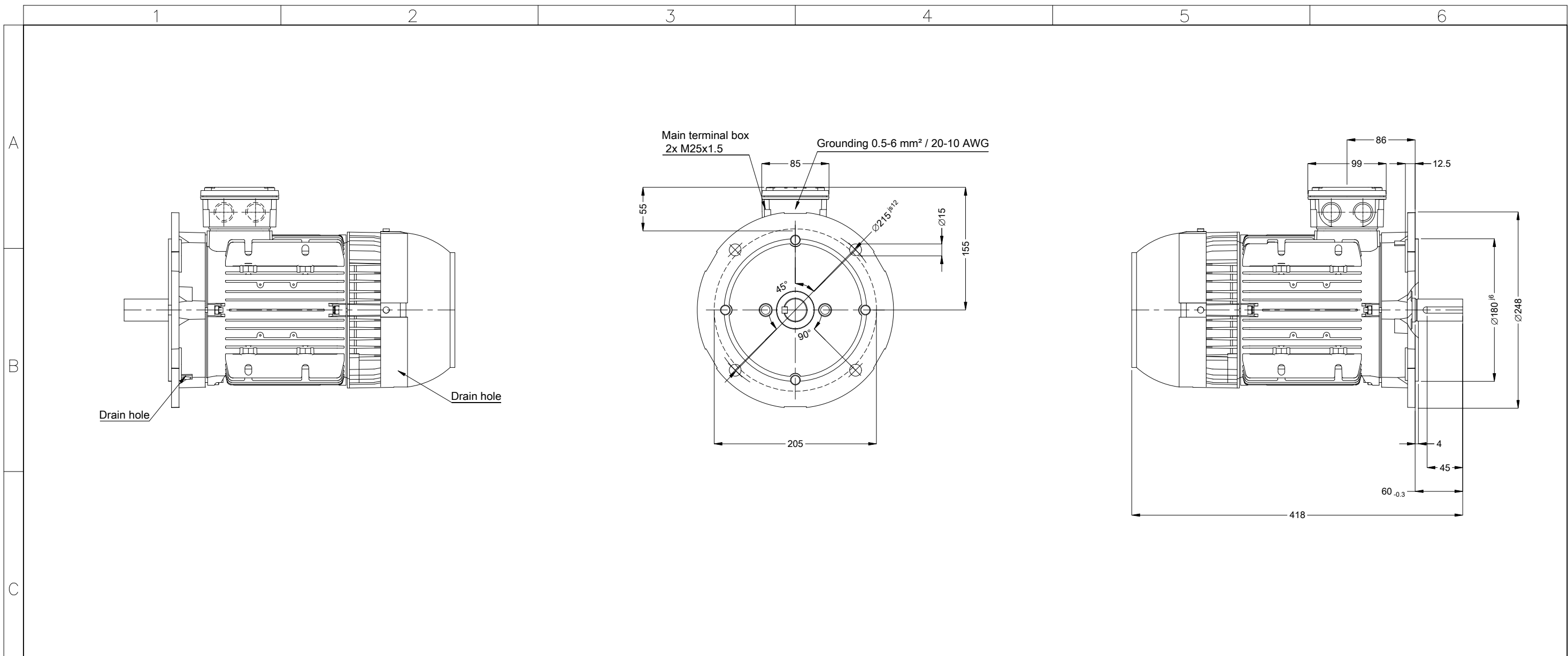


Customer : _____

Thermal protection

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

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D			3 kW 04 Poles 50 Hz		A				
			Scale 1 : 5						
E	Sealing - oil seal ring	DE Shaft End DM10 WEG WPR-7339		HYBRISUSER	00				
	Bearing cap		ECM	LOC	EXECUTED	CHECKED	RELEASED	DATE	VER
	Thermal protection to switch off - thermistors 155°C		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		PREVIEW		
	Color RAL 5009		CHECKED		FRAME L100L IP55 TEFC		WDD	00	
Painting plan 207A	RELEASED				SHEET	1 / 1			
Mounting B5T	REL. DATE								