

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 12928454

Frame	: 100L	Locked rotor time	: 16s (cold) 9s (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	: 2	Altitude	: 1000 m.a.s.l.
Rated current	:	Protection degree	: IP55
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC
LRC	: 7.9	Mounting	: B3T
Rated speed	: 2905 rpm	Rotation ¹	: Both (CW and CCW)
Rated torque	: 9.87 Nm	Noise level ²	: 67.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 25.4 kg
Moment of inertia (J)	: 0.0064 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	85.0	86.5	87.1	Max. traction	: 769 N
Power Factor	0.65	0.78	0.85	Max. compression	: 1019 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)
14.9	14.0	12.8	6.9	4.9	3.1	2.2

	Drive end	Non drive end
Bearing type	: 6206 ZZ	: 6205 ZZ
Sealing	: V'Ring	: V'Ring
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.

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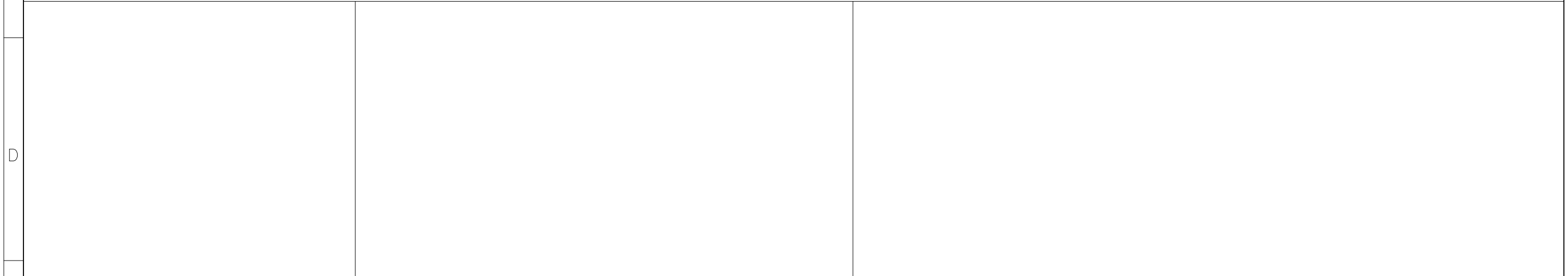
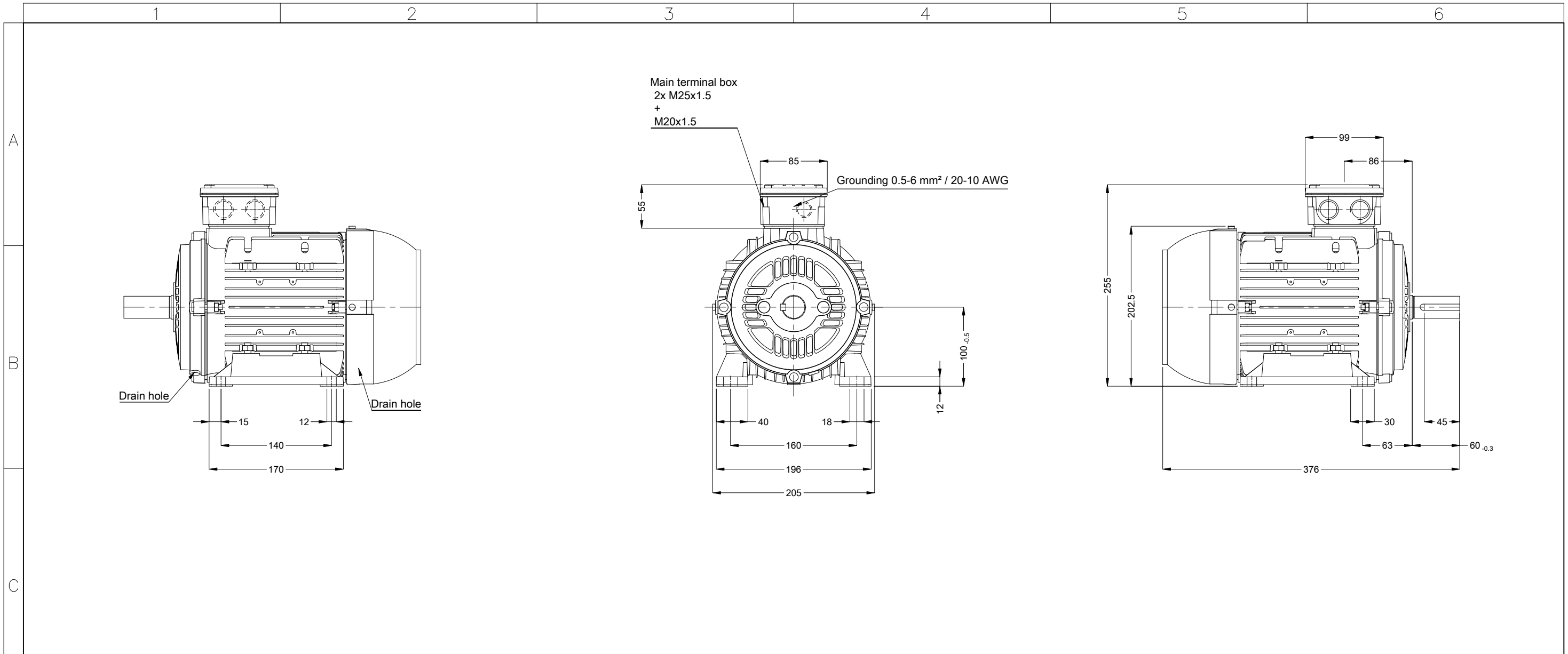


Customer : _____

Thermal protection

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

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Thermal protection to switch off - thermistors 155°C		DE Shaft End		3 kW 02 Poles 50 Hz		A	
Color RAL 5009				Scale 1 : 5			
Painting plan 207A							
Mounting B3T		DM10 WEG WPR-7339		HYBRISUSER		00	
				ECM LOC		SUMMARY OF MODIFICATIONS	
				EXECUTED		CHECKED	
				HYBRISUSER		RELEASED	
				THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		DATE	
				FRAME 100L IP55 TEFC		VER	
				REL. DATE		PREVIEW	
						WDD 00	
						SHEET 1 / 1	