

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 12928451

Frame	: 80	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 0.75 kW (1 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	: 7.5	Mounting	: B3T
Rated speed	: 2870 rpm	Rotation ¹	: Both (CW and CCW)
Rated torque	: 2.50 Nm	Noise level ²	: 59.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 10.8 kg
Moment of inertia (J)	: 0.0008 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	80.0	82.0	81.0	Max. traction	: 236 N
Power Factor	0.61	0.74	0.82	Max. compression	: 341 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)
22.5	19.4	19.0	12.4	8.3	6.1	4.2

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6203 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	03/03/2026		Page	Revision
			1 / 2	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

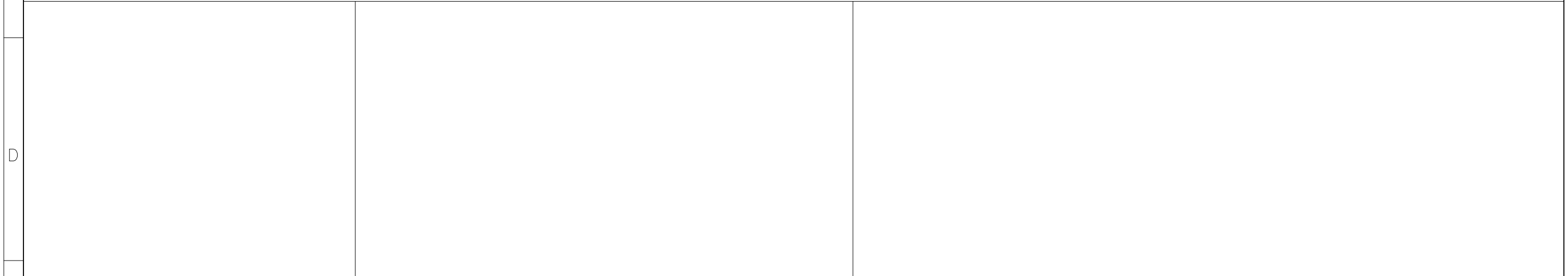
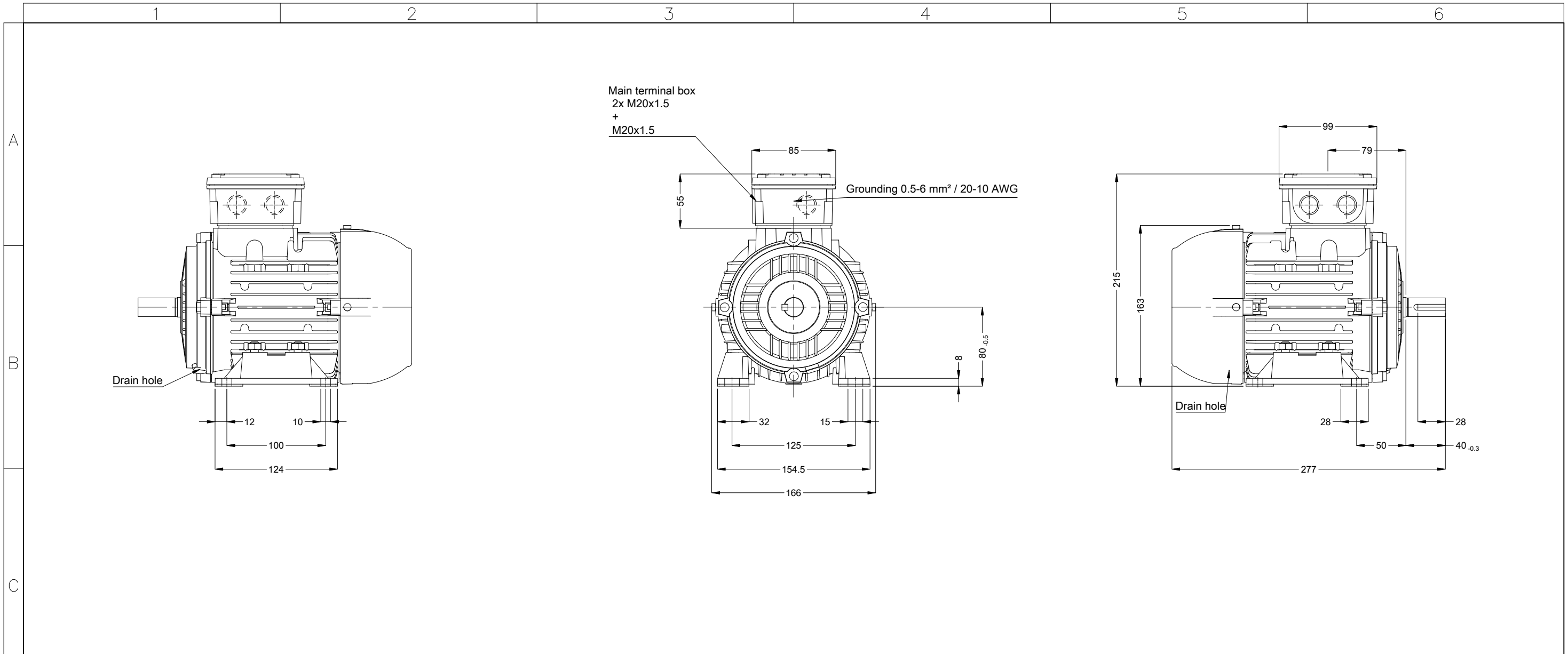


Customer : _____

Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	03/03/2026		2 / 2	



		0.75 kW 02 Poles 50 Hz		A	
				Scale 1 : 4	
				HYBRISUSER 00	
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		RELEASED	DATE
CHECKED		FRAME 80 IP55 TEFC		REL. DATE	VER
RELEASED				PREVIEW	
REL. DATE				WDD	00
				SHEET 1 / 1	

Thermal protection to switch off - thermistors 155°C
 Color RAL 5009
 Painting plan 207A
 Mounting B3T

