

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase		Product code :		13749699	
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
LRC	: 7.5	YDESCRICAO_CORRENTE	: N	Cooling method	: IC411 - TEFC	Mounting	: B14T
Rated speed	: 2870 rpm	Rotation <sup>1</sup>	: Both (CW and CCW)	Noise level <sup>2</sup>	: 59.0 dB(A)	Starting method	: Direct On Line
Rated torque	: 2.50 Nm	Approx. weight <sup>3</sup>	: 10.8 kg	Insulation class	: F		
Service factor	: 1.00			Moment of inertia (J)	: 0.0008 kgm <sup>2</sup>		
Design	: N			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	
Bearing type			: Drive end	Non drive end			
Sealing			: 6204 ZZ	6203 ZZ			
Lubrication interval			: Oil Seal	Oil Seal			
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	27/02/2026				1 / 2		

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

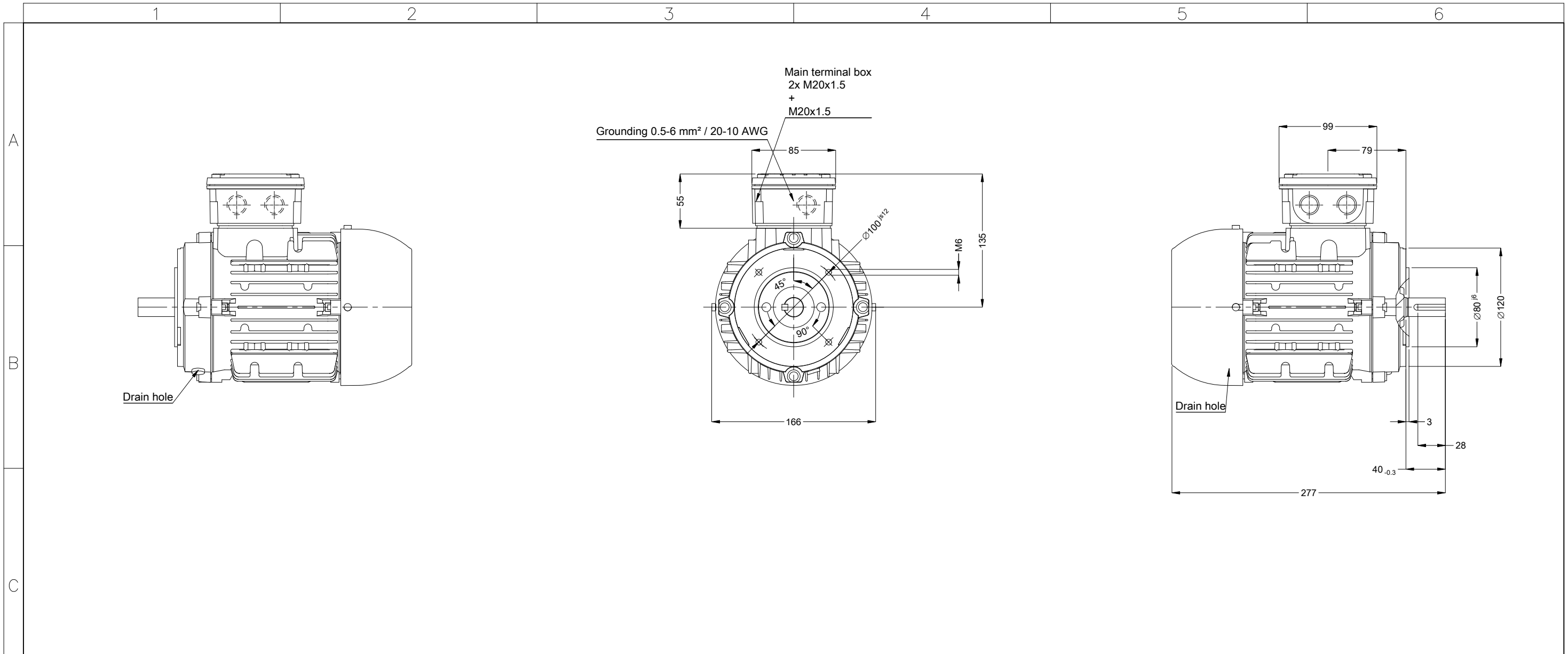


Customer : \_\_\_\_\_

### 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	27/02/2026		2 / 2	



				0.75 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 80 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

