

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Multimounting IE3 Three-Phase			Product code : 13749672	
Frame	: 80	Locked rotor time	: 45s (cold) 25s (hot)			
Output	: 0.37 kW (0.5 HP)	Temperature rise	: 80 K			
Frequency	: 50 Hz	Duty cycle	: S1			
Rated voltage	: 230/400 V	Ambient temperature	: -20°C to +40°C			
Poles	: 6	Altitude	: 1000 m.a.s.l.			
Rated current	:	Protection degree	: IP55			
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC			
LRC	: 4.5	Mounting	: B5T			
Rated speed	: 925 rpm	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated torque	: 3.82 Nm	Noise level <sup>2</sup>	: 43.0 dB(A)			
Insulation class	: F	Starting method	: Direct On Line			
Service factor	: 1.00	Approx. weight <sup>3</sup>	: 12.9 kg			
Moment of inertia (J)	: 0.0025 kgm <sup>2</sup>					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	66.0	69.5	73.5	Max. traction : 214 N		
Power Factor	0.51	0.65	0.75	Max. compression : 340 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)
35.5	34.4	35.3	17.3	13.9	10.3	7.8
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6204 ZZ		6203 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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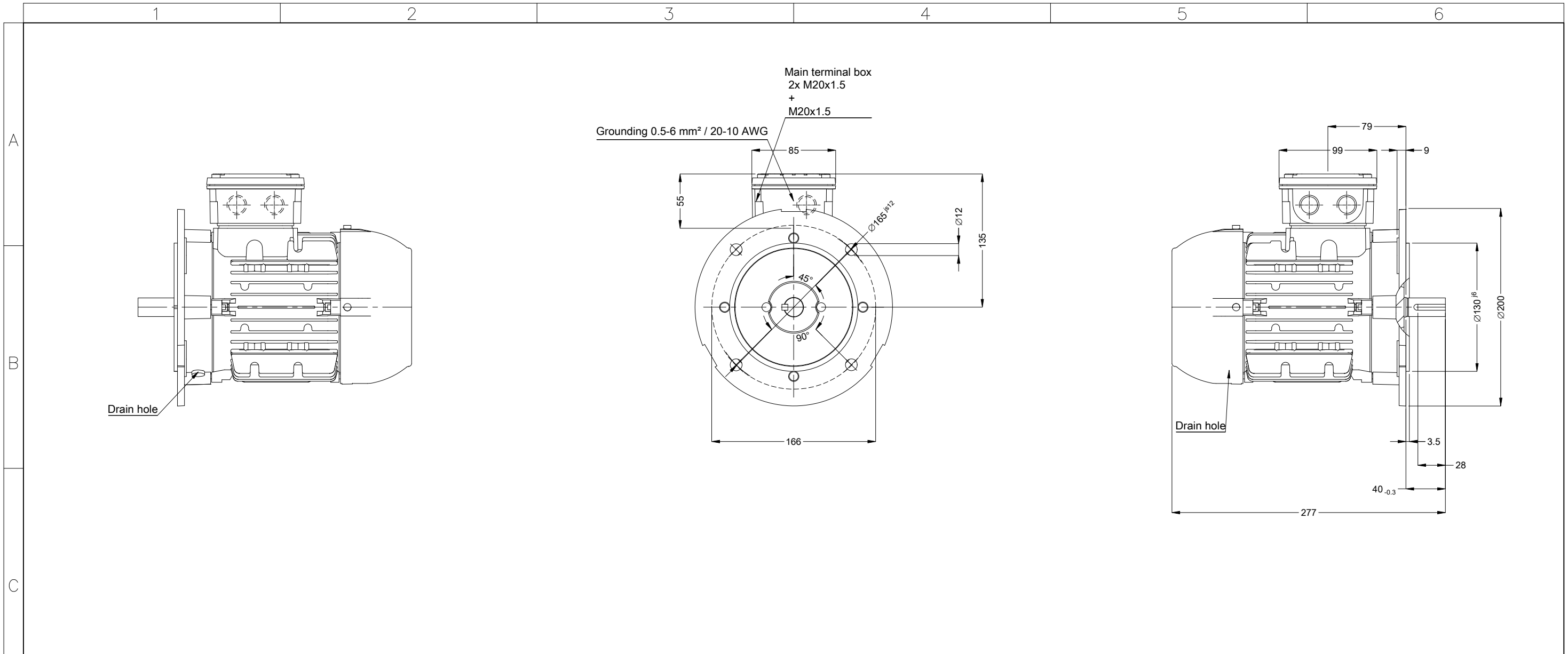


Customer : \_\_\_\_\_

### Thermal protection

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

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D																							
	0.37 kW 06 Poles 50 Hz <span style="float: right;">A</span>																						
E	Scale 1 : 4																						
						HYBRISUSER					00												
Sealing - oil seal ring		DE Shaft End						ECM		LOC		SUMMARY OF MODIFICATIONS		EXECUTED		CHECKED		RELEASED		DATE		VER	
Bearing cap								EXECUTED		HYBRISUSER				THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		WDD		00				SHEET 1 / 1	
Thermal protection to switch off - thermistors 155°C								CHECKED						FRAME 80 IP55 TEFC									
Color RAL 5009								RELEASED															
Painting plan 207A								REL. DATE															
Mounting B5T																							