

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13760716

Frame	: 71	Locked rotor time	: 54s (cold) 30s (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	: 4	Altitude	: 1000 m.a.s.l.
Rated current	:	Protection degree	: IP55
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC
LRC	: 4.8	Mounting	: B14T
Rated speed	: 1395 rpm	Rotation ¹	: Both (CW and CCW)
Rated torque	: 2.53 Nm	Noise level ²	: 43.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 10.4 kg
Moment of inertia (J)	: 0.0008 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	76.3	76.8	77.3	Max. traction	: 222 N
Power Factor	0.45	0.60	0.69	Max. compression	: 324 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)
28.0	25.5	26.8	15.0	11.3	8.5	6.5

	Drive end	Non drive end
Bearing type	: 6202 ZZ	: 6202 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
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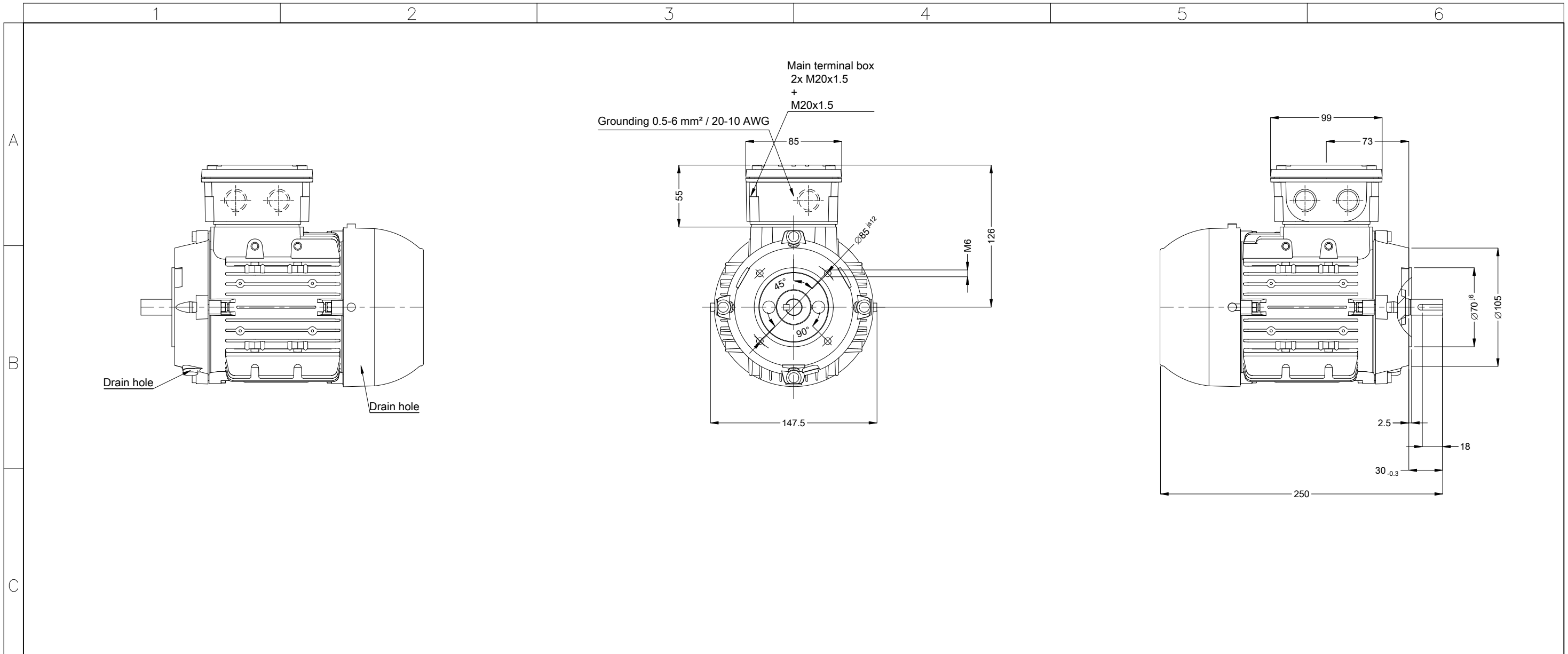


Customer : _____

Thermal protection

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

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				0.37 kW 04 Poles 50 Hz		A				
				Scale		2 : 7				
				HYBRISUSER		00				
		ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		PREVIEW				
		CHECKED		FRAME 71 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

