

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ASTRAPROM

Product line : Multimounting IE3 Three-Phase Product code : 12928522

Frame	: L100L	Locked rotor time	: 27s (cold) 15s (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	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 11.0/6.31 A	Protection degree	: IP55
LRC	: 7.8	Cooling method	: IC411 - TEFC
Rated speed	: 1440 rpm	Mounting	: B3T
Rated torque	: 19.9 Nm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 53.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0120 kgm ²	Approx. weight ³	: 31.4 kg
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	87.0	88.0	88.0	Max. traction	: 1822 N
Power Factor	0.58	0.71	0.78	Max. compression	: 2131 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)
13.2	11.6	11.2	6.0	4.4	2.8	2.1

		<u>Drive end</u>	<u>Non drive end</u>
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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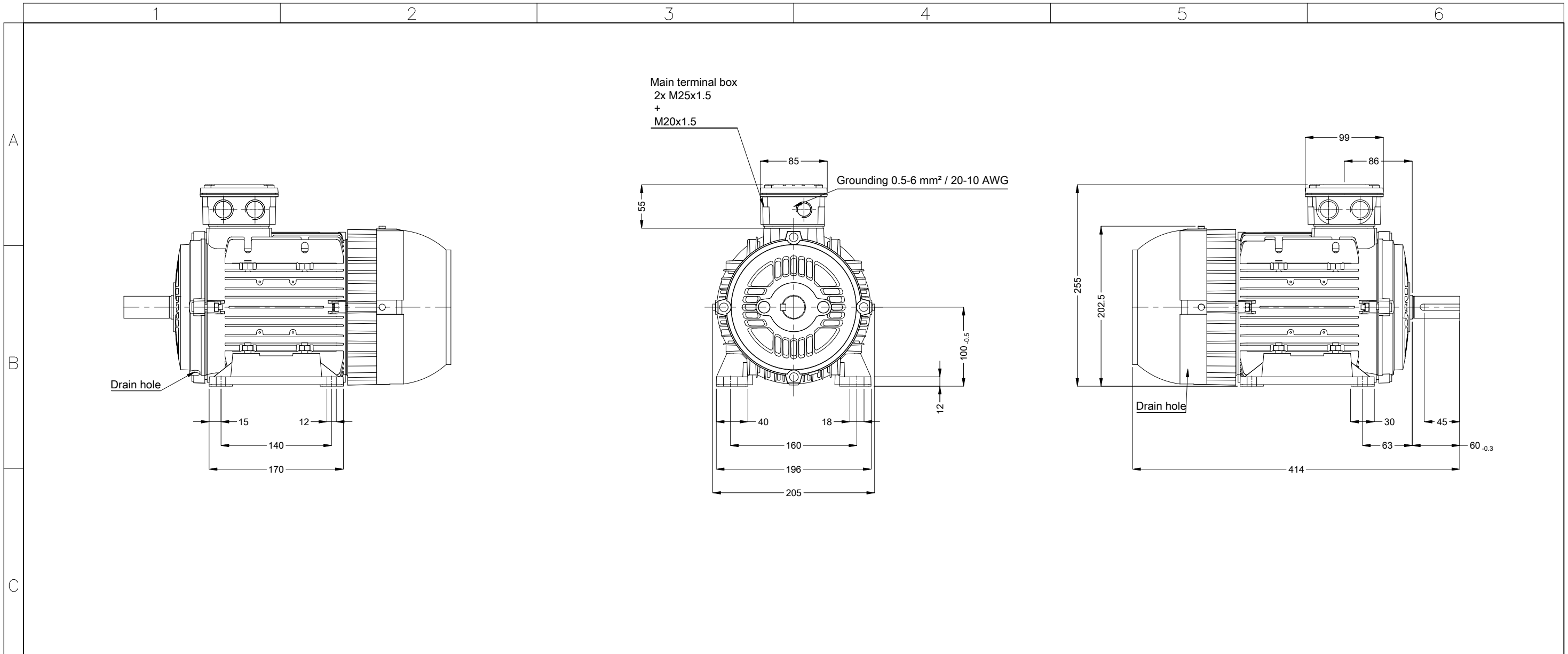
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Thermal protection

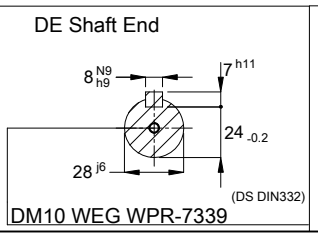
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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				3 kW 04 Poles 50 Hz		A
				Scale		1 : 5
				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.				
CHECKED		FRAME L100L IP55 TEFC				
RELEASED						
REL. DATE						

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



EXECUTED		HYBRISUSER			PREVIEW	
CHECKED					WDD	00
RELEASED				SHEET		1 / 1