

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13755847

Frame	: 63	Locked rotor time	: 54s (cold) 30s (hot)
Output	: 0.18 kW (0.25 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	: 4.3	Mounting	: B5T
Rated speed	: 1380 rpm	Rotation ¹	: Both (CW and CCW)
Rated torque	: 1.25 Nm	Noise level ²	: 44.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 6.6 kg
Moment of inertia (J)	: 0.0006 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	65.0	67.0	69.9	Max. traction	: 80 N
Power Factor	0.53	0.63	0.72	Max. compression	: 145 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)
45.5	47.0	41.8	24.1	18.7	14.5	10.9

	Drive end	Non drive end
Bearing type	: 6201 ZZ	: 6201 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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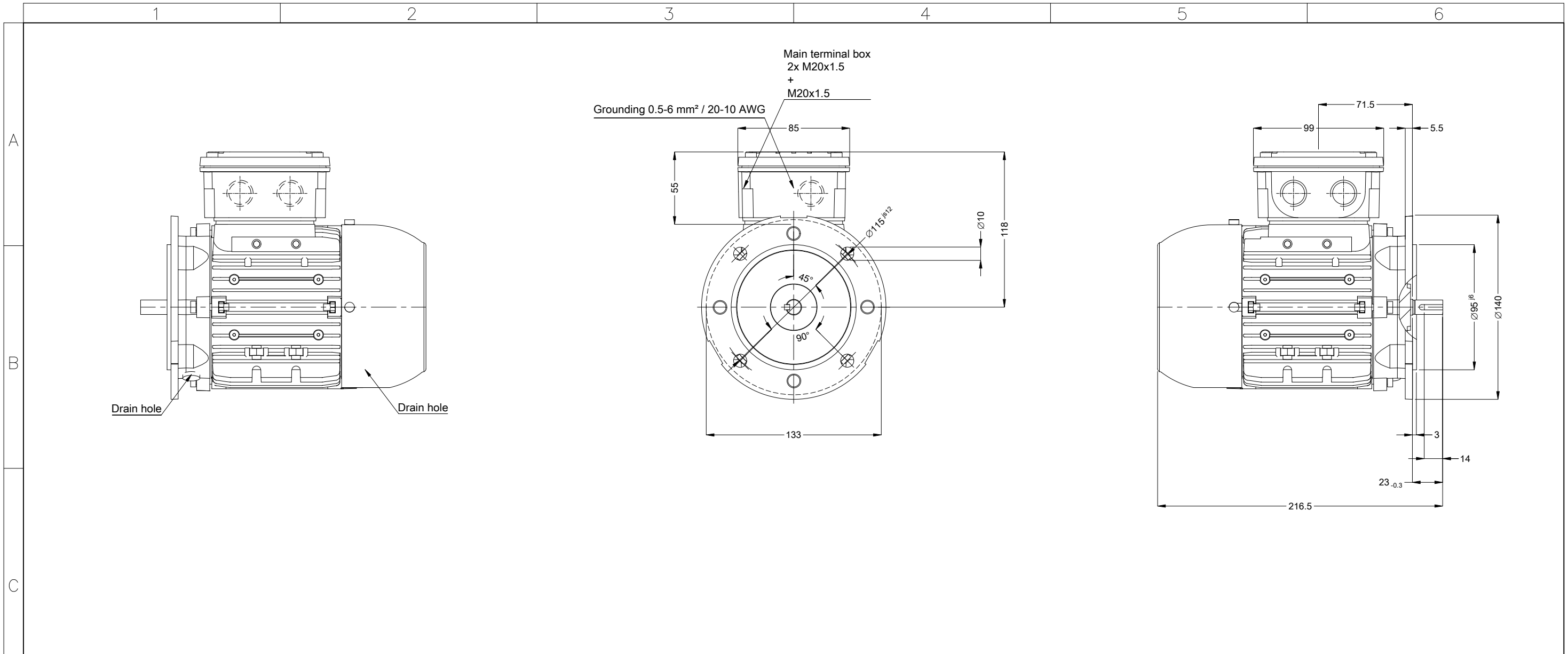


Customer : _____

Thermal protection

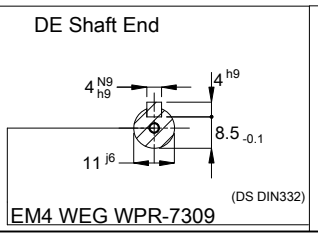
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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				0.18 kW 04 Poles 50 Hz		A
				Scale		1 : 3
				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.				
CHECKED		FRAME 63 IP55 TEFC				
RELEASED						
REL. DATE						

- Sealing - oil seal ring
- Thermal protection to switch off - thermistors 155°C
- Color RAL 5009
- Painting plan 207A
- Mounting B5T



				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.				
CHECKED		FRAME 63 IP55 TEFC				
RELEASED						
REL. DATE						

PREVIEW

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