

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13760753

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	:	Protection degree	: IP55
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC
LRC	: 7.8	Mounting	: B14T
Rated speed	: 1440 rpm	Rotation ¹	: Both (CW and CCW)
Rated torque	: 19.9 Nm	Noise level ²	: 53.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 37.1 kg
Moment of inertia (J)	: 0.0120 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	87.0	88.0	88.0	Max. traction	: 1795 N
Power Factor	0.58	0.71	0.78	Max. compression	: 2158 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

	Drive end	Non drive end
Bearing type	: 6206 ZZ	6205 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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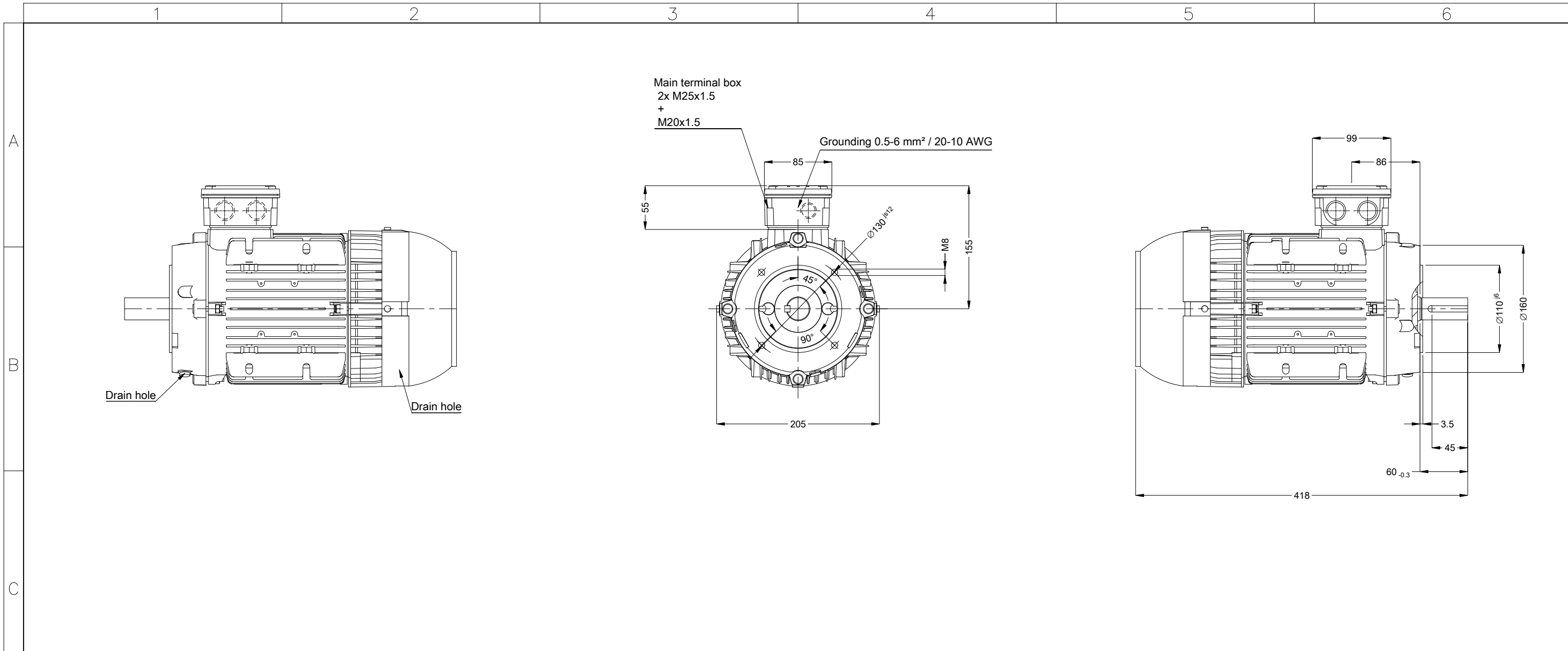


Customer : _____

Thermal protection

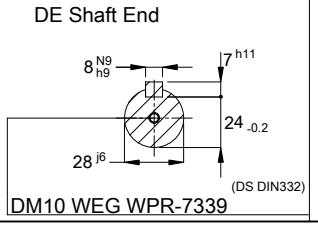
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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D			3 kW 04 Poles 50 Hz		A				
			Scale 1 : 5						
E	Sealing - oil seal ring	DE Shaft End DM10 WEG WPR-7339		HYBRISUSER	00				
	Bearing cap		ECM	LOC	EXECUTED	CHECKED	RELEASED	DATE	VER
	Thermal protection to switch off - thermistors 155°C		EXECUTED	HYBRISUSER	SUMMARY OF MODIFICATIONS				
	Color RAL 5009		CHECKED		THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.				
Painting plan 207A	RELEASED		FRAME L100L IP55 TEFC						
Mounting B14T	REL. DATE								

Sealing - oil seal ring
Bearing cap
Thermal protection to switch off - thermistors 155°C
Color RAL 5009
Painting plan 207A
Mounting B14T



ECM	LOC	SUMMARY OF MODIFICATIONS		HYBRISUSER	00
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.			
CHECKED		FRAME L100L IP55 TEFC			
RELEASED					
REL. DATE					

PREVIEW
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