

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Multimounting IE3 Three-Phase			Product code : 15448741	
Frame	: S132S			Locked rotor time	: 25s (cold) 14s (hot)	
Output	: 5.5 kW (7.5 HP)			Temperature rise	: 80 K	
Frequency	: 50 Hz			Duty cycle	: S1	
Rated voltage	: 230/400 V			Ambient temperature	: -20°C to +40°C	
Poles	: 2			Altitude	: 1000 m.a.s.l.	
Rated current	:			Protection degree	: IP55	
LRC	: 7.9			Cooling method	: IC411 - TEFC	
Rated speed	: 2945 rpm			Mounting	: B3T	
Rated torque	: 17.8 Nm			Rotation <sup>1</sup>	: Both (CW and CCW)	
Insulation class	: F			Noise level <sup>2</sup>	: 63.0 dB(A)	
Service factor	: 1.00			Starting method	: Direct On Line	
Moment of inertia (J)	: 0.0216 kgm <sup>2</sup>			Approx. weight <sup>3</sup>	: 51.0 kg	
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	86.4	88.5	89.2	Max. traction : 0 N		
Power Factor	0.68	0.79	0.85	Max. compression : 0 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)
11.7	9.8	9.2	5.9	3.9	2.6	1.7
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	: 6308 ZZ			: 6207 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
Date	04/03/2026				1 / 2	

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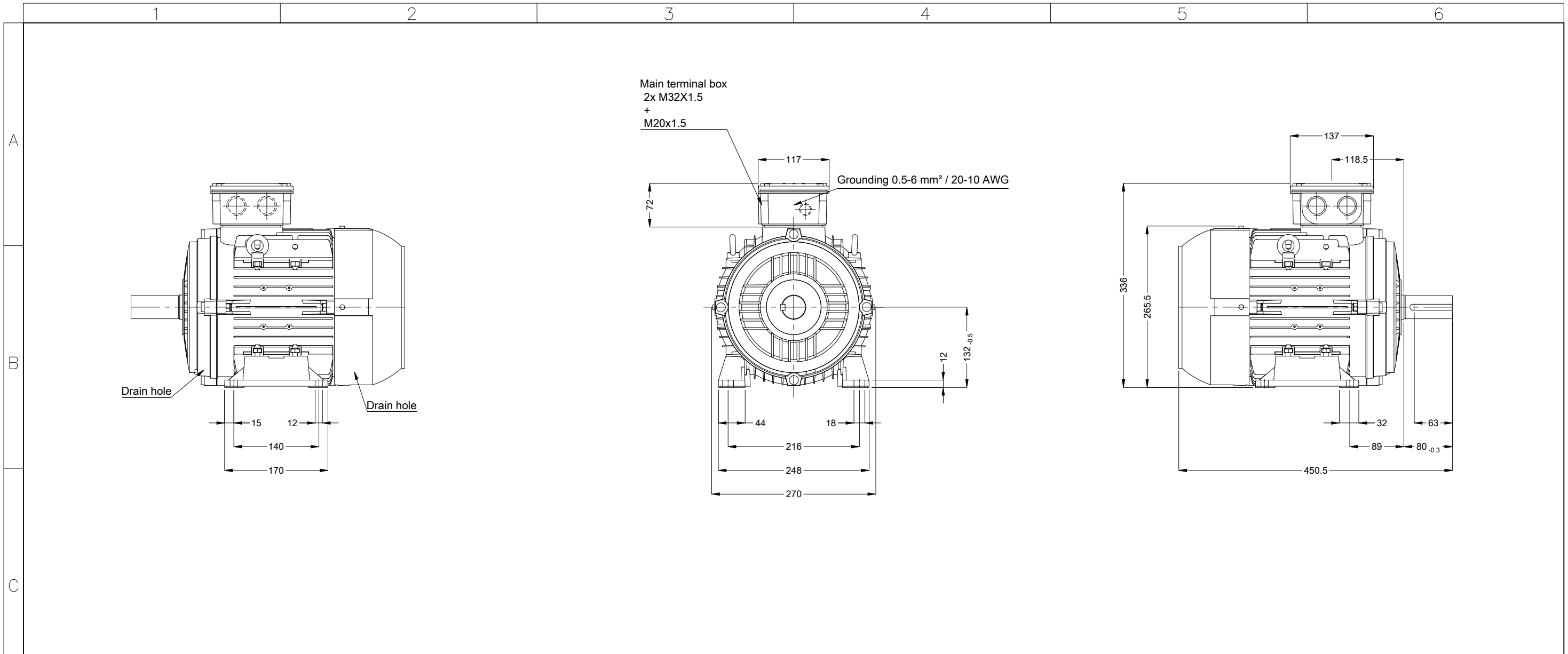


Customer : \_\_\_\_\_

### Thermal protection

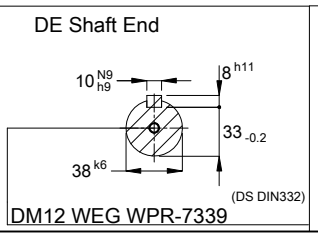
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
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				5.5 kW 02 Poles 50 Hz		A
				Scale		2 : 13
				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.				
CHECKED		FRAME S132S IP55 TEFC				
RELEASED						
REL. DATE						

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



				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.				
CHECKED		FRAME S132S IP55 TEFC				
RELEASED						
REL. DATE						

PREVIEW

WDD 00

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