

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ASTRAPROM

Product line : Multimounting IE3 Three-Phase Product code : 12929922

Frame	: 132S	Locked rotor time	: 50s (cold) 28s (hot)
Output	: 3 kW (4 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1
Rated voltage	: 400/690 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.
Rated current	: 6.91/4.01 A	Protection degree	: IP55
LRC	: 6.0	Cooling method	: IC411 - TEFC
Rated speed	: 970 rpm	Mounting	: B3T
Rated torque	: 29.6 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)	: 0.0566 kgm ²	Approx. weight ³	: 60.6 kg
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	85.0	85.8	85.8	Max. traction	: 1024 N
Power Factor	0.52	0.65	0.73	Max. compression	: 1618 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)
15.7	13.4	13.5	7.8	5.6	3.9	2.9

	Drive end	Non drive end
Bearing type	: 6308 ZZ	: 6207 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	02/04/2026		Page 1 / 2	Revision

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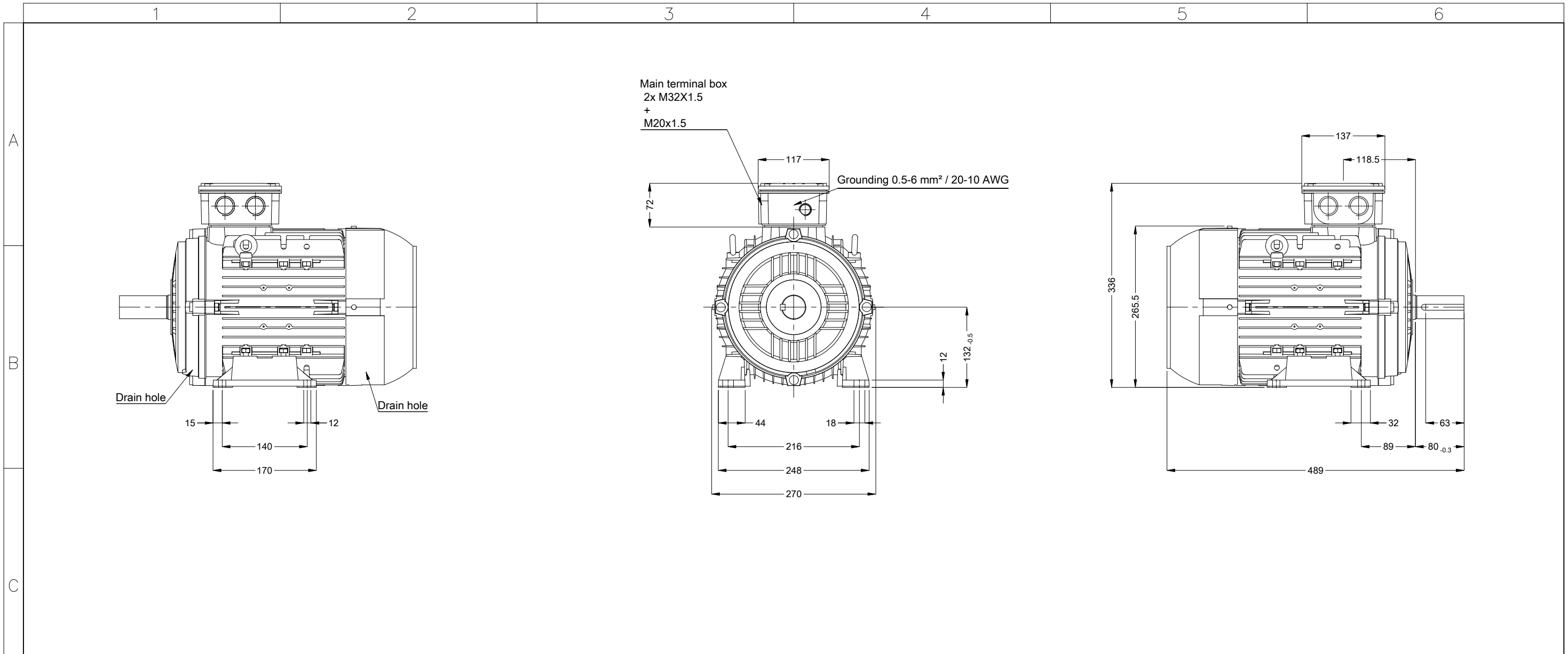
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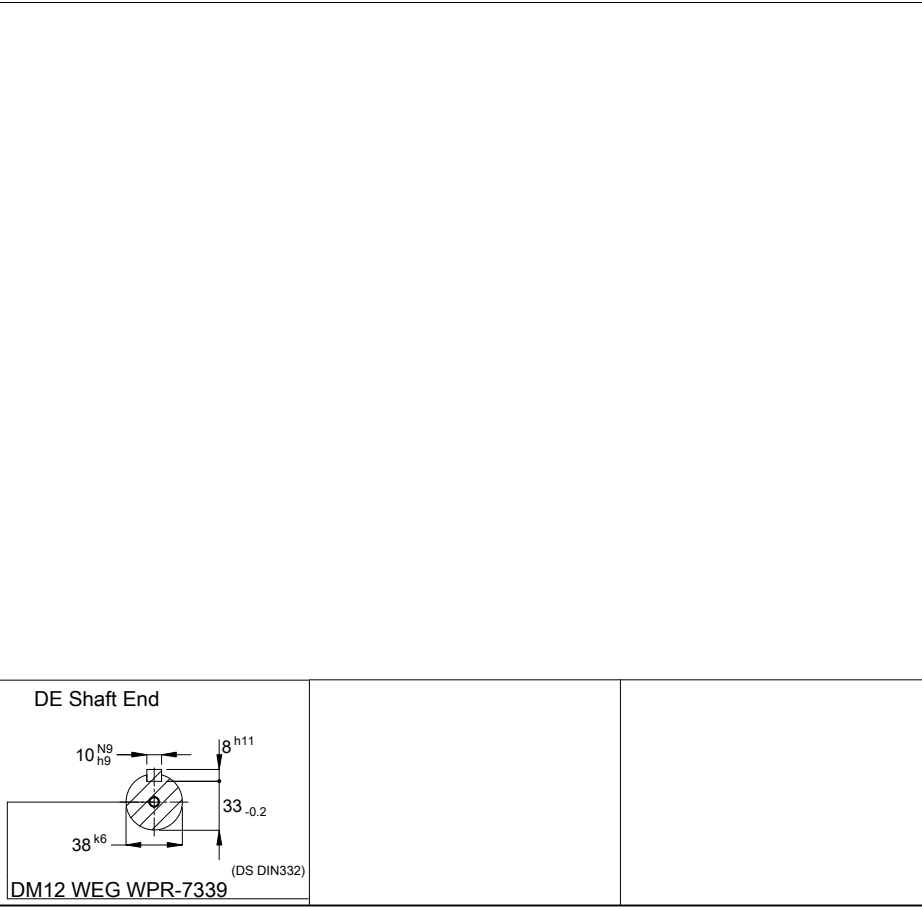
Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	02/04/2026		2 / 2	



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



3 kW 06 Poles 50 Hz										A	
Scale										2 : 13	
								HYBRISUSER		00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.									
CHECKED		FRAME 132S IP55 TEFC									
RELEASED											
REL. DATE											
						PREVIEW		WDD 00			
						SHEET		1 / 1			