

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Multimounting IE3 Three-Phase			Product code : 13147923	
Frame	: 100L	Locked rotor time	: 28s (cold) 16s (hot)			
Output	: 2.2 kW (3 HP)	Temperature rise	: 80 K			
Frequency	: 50 Hz	Duty cycle	: S1			
Rated voltage	: 400 V	Ambient temperature	: -20°C to +40°C			
Poles	: 4	Altitude	: 1000 m.a.s.l.			
Rated current	:	Protection degree	: IP55			
LRC	: 7.2	Cooling method	: IC411 - TEFC			
Rated speed	: 1425 rpm	Mounting	: B3T			
Rated torque	: 14.8 Nm	Rotation <sup>1</sup>	: Both (CW and CCW)			
Insulation class	: F	Noise level <sup>2</sup>	: 53.0 dB(A)			
Service factor	: 1.00	Starting method	: Direct On Line			
Moment of inertia (J)	: 0.0090 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 26.7 kg			
Design	: N					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	86.0	86.5	86.7	Max. traction : 923 N	
Power Factor	0.00	0.60	0.72	0.80	Max. compression : 1184 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)
14.8	13.2	12.9	6.8	5.0	3.2	2.4
			<u>Drive end</u>	<u>Non drive end</u>		
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
Performed by						
Checked by					Page	Revision
Date	28/02/2026				1 / 2	

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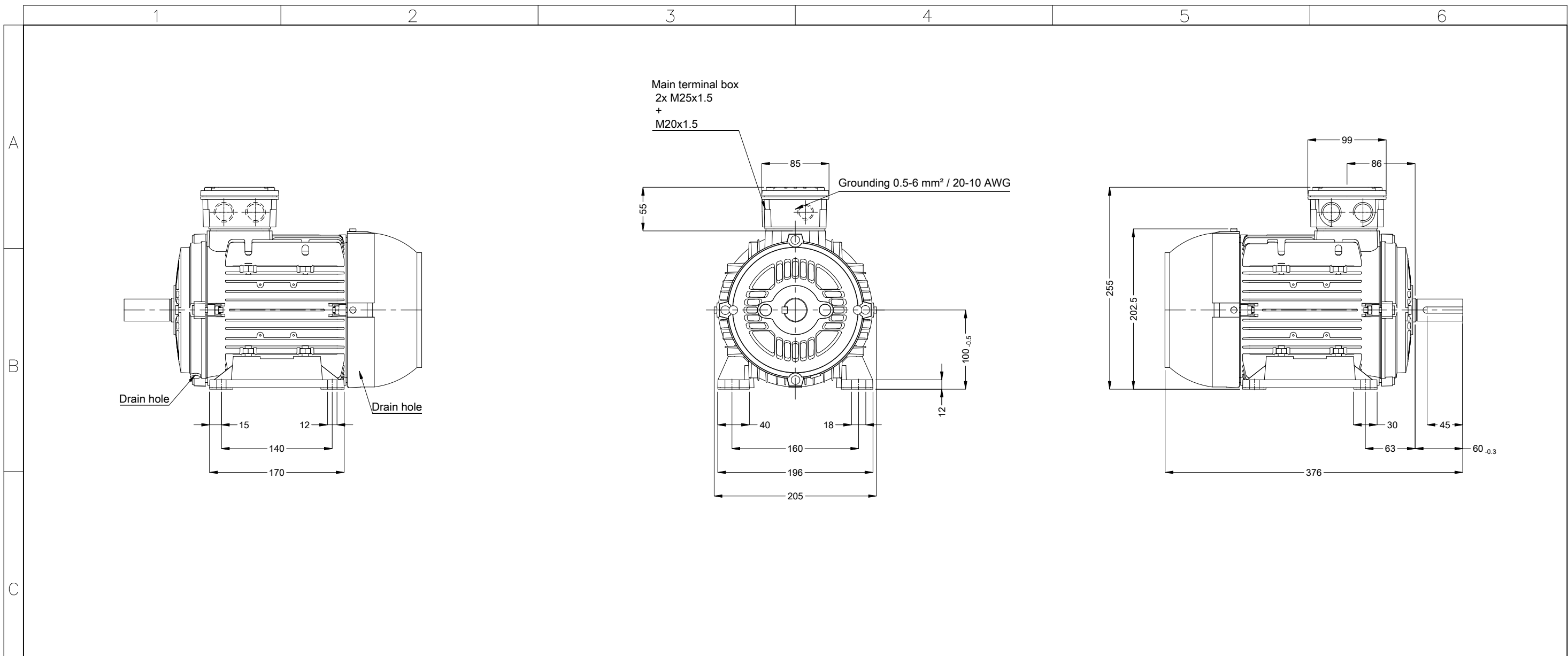


Customer : \_\_\_\_\_

### Thermal protection

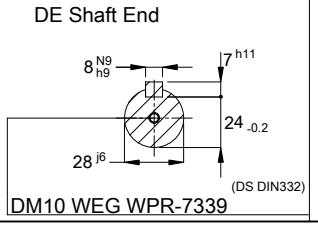
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
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Date	28/02/2026		2 / 2	



D			2.2 kW 04 Poles 50 Hz		A					
			Scale 1 : 5							
E	Sealing - oil seal ring	DE Shaft End 			HYBRISUSER	00				
	Bearing cap		ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
	Thermal protection to switch off - thermistors 155°C		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.					
	Color RAL 5009		CHECKED		FRAME 100L IP55 TEFC					
Painting plan 207A	RELEASED									
Mounting B3T	REL. DATE									

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



ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.					
CHECKED		FRAME 100L IP55 TEFC					
RELEASED							
REL. DATE							

PREVIEW  
WDD 00  
SHEET 1 / 1