

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Multimounting IE3 Three-Phase			Product code : 13749652	
Frame	: 71	Locked rotor time	: 21s (cold) 12s (hot)			
Output	: 0.37 kW (0.5 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			
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC			
LRC	: 6.3	Mounting	: B5T			
Rated speed	: 2840 rpm	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated torque	: 1.24 Nm	Noise level <sup>2</sup>	: 56.0 dB(A)			
Insulation class	: F	Starting method	: Direct On Line			
Service factor	: 1.00	Approx. weight <sup>3</sup>	: 8.3 kg			
Moment of inertia (J)	: 0.0004 kgm <sup>2</sup>					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	73.0	74.5	74.5	Max. traction : 116 N		
Power Factor	0.63	0.70	0.79	Max. compression : 197 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)
32.6	28.2	28.2	19.5	12.9	10.3	7.0
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6202 ZZ		6202 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	03/03/2026				1 / 2	

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

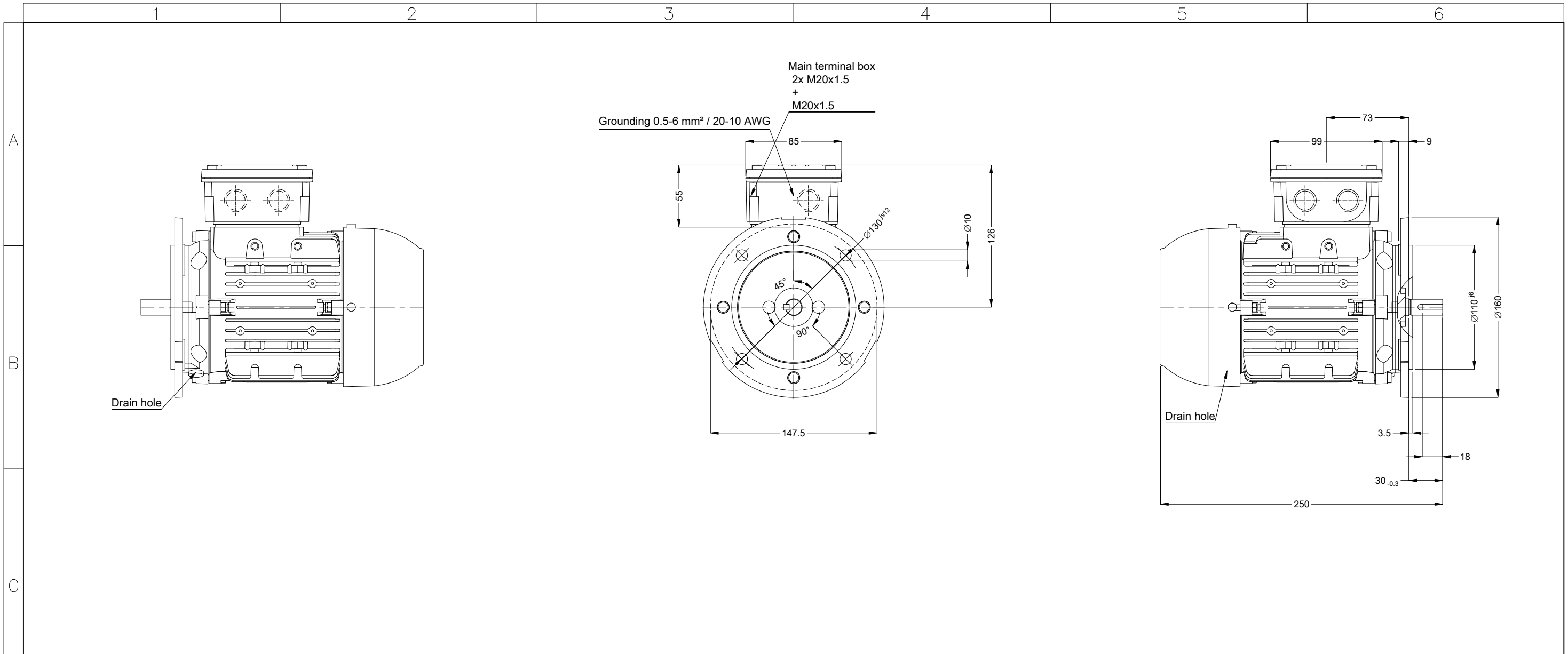


Customer : \_\_\_\_\_

### Thermal protection

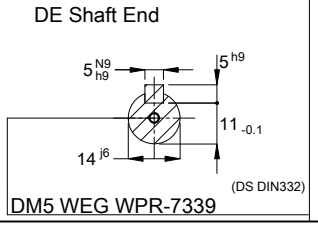
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	03/03/2026		2 / 2	



				0.37 kW 02 Poles 50 Hz		A
				Scale		2 : 7
				HYBRISUSER		00
		ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED
		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		CHECKED
		CHECKED		FRAME 71 IP55 TEFC		RELEASED
		RELEASED				DATE
		REL. DATE				VER

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



EXECUTED	HYBRISUSER		THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.
CHECKED			FRAME 71 IP55 TEFC
RELEASED			
REL. DATE			

**PREVIEW**

WDD | 00

SHEET 1 / 1