

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13749700

Frame	: 80	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 1.1 kW (1.5 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	: 7.4	Mounting	: B14T
Rated speed	: 2830 rpm	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated torque	: 3.71 Nm	Noise level <sup>2</sup>	: 59.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight <sup>3</sup>	: 11.9 kg
Moment of inertia (J)	: 0.0009 kgm <sup>2</sup>		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	81.0	83.5	83.5	Max. traction	: 448 N
Power Factor	0.56	0.70	0.79	Max. compression	: 565 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)
18.8	16.3	16.6	9.6	6.5	4.4	3.0

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6203 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			Page	Revision
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Date	03/03/2026			

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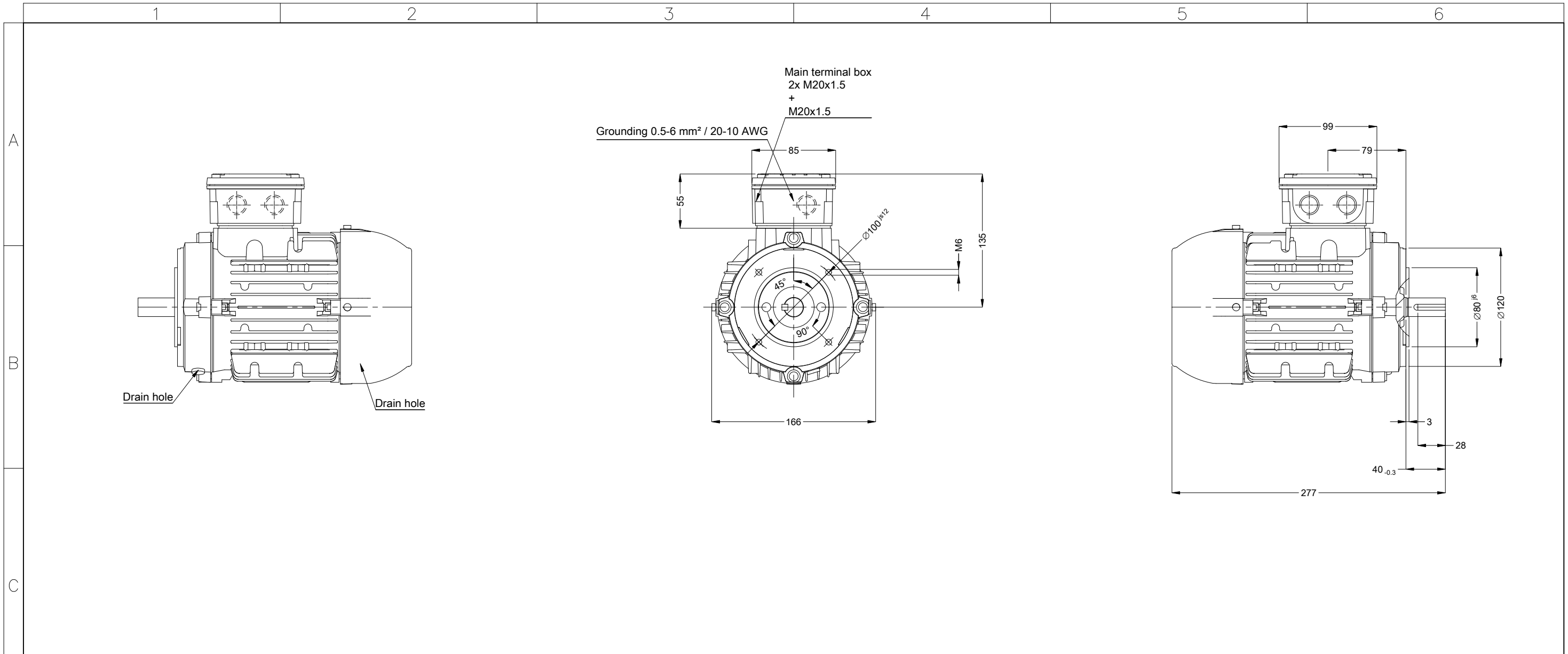


Customer : \_\_\_\_\_

### Thermal protection

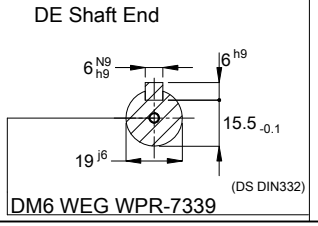
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
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				1.1 kW 02 Poles 50 Hz		A				
				Scale 1 : 4						
				HYBRISUSER		00				
		ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER
		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		EXECUTED		CHECKED	RELEASED	DATE
		CHECKED		FRAME 80 IP55 TEFC		EXECUTED		CHECKED	RELEASED	DATE
		RELEASED				EXECUTED		CHECKED	RELEASED	DATE
		REL. DATE				EXECUTED		CHECKED	RELEASED	DATE

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



EXECUTED	HYBRISUSER		THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.
CHECKED			FRAME 80 IP55 TEFC
RELEASED			
REL. DATE			

PREVIEW

WDD 00

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