

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase		Product code :		12366867	
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
LRC	: 7.4	Cooling method	: IC411 - TEFC	YDESCRICAO_CORRENTE	: N	Mounting	: B3T
Rated speed	: 2830 rpm	Rotation <sup>1</sup>	: Both (CW and CCW)	Moment of inertia (J)	: 0.0009 kgm <sup>2</sup>	Noise level <sup>2</sup>	: 59.0 dB(A)
Rated torque	: 3.71 Nm	Starting method	: Direct On Line	Design	: N	Approx. weight <sup>3</sup>	: 11.8 kg
Insulation class	: F						
Service factor	: 1.00						
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	: 564 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	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6204 ZZ		6203 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						Page	Revision
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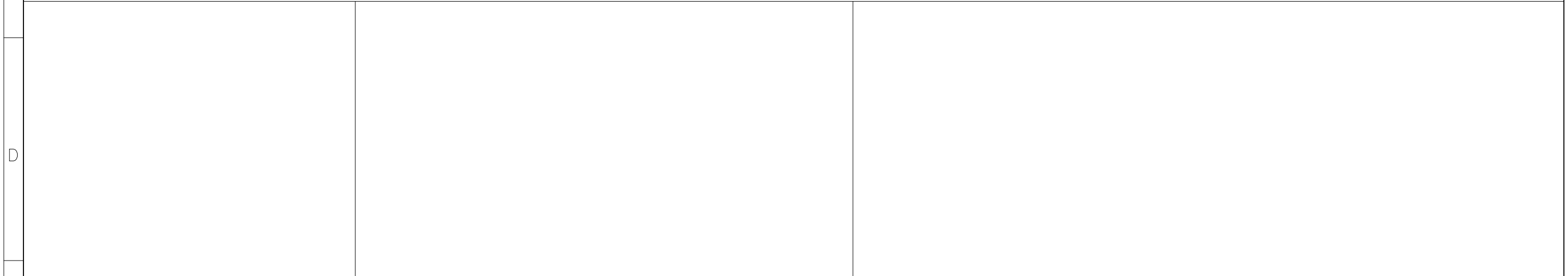
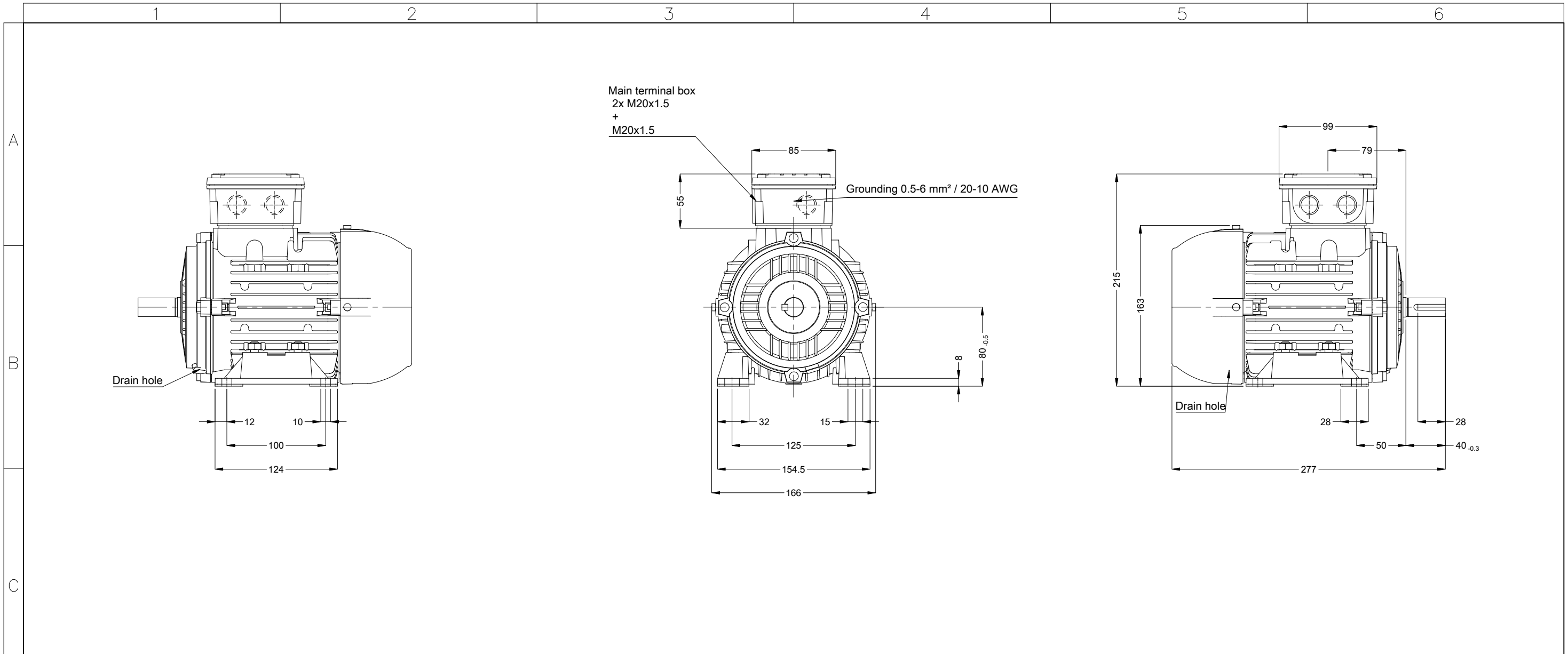


Customer : \_\_\_\_\_

### Thermal protection

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

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

Thermal protection to switch off - thermistors 155°C	<p>DE Shaft End DM6 WEG WPR-7339</p>
Color RAL 5009	
Painting plan 207A	
Mounting B3T	

PREVIEW		
WDD	00	
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