

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase			Product code :		13589095
Frame	: 63	Locked rotor time	: 36s (cold) 20s (hot)				
Output	: 0.12 kW (0.16 HP)	Temperature rise	: 80 K				
Frequency	: 50 Hz	Duty cycle	: S1				
Rated voltage	: 230/400 V	Ambient temperature	: -20°C to +40°C				
Poles	: 4	Altitude	: 1000 m.a.s.l.				
Rated current	:	Protection degree	: IP55				
LRC	: 5.5	Cooling method	: IC411 - TEFC				
Rated speed	: 1415 rpm	Mounting	: B5T				
Rated torque	: 0.810 Nm	Rotation <sup>1</sup>	: Both (CW and CCW)				
Insulation class	: F	Noise level <sup>2</sup>	: 44.0 dB(A)				
Service factor	: 1.00	Starting method	: Direct On Line				
Moment of inertia (J)	: 0.0004 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 6.6 kg				
Design	: N						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	53.0	60.0	64.8	Max. traction			: 79 N
Power Factor	0.47	0.58	0.68	Max. compression			: 144 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)	
52.7	46.2	43.6	35.9	25.6	22.4	15.9	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6201 ZZ		6201 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	
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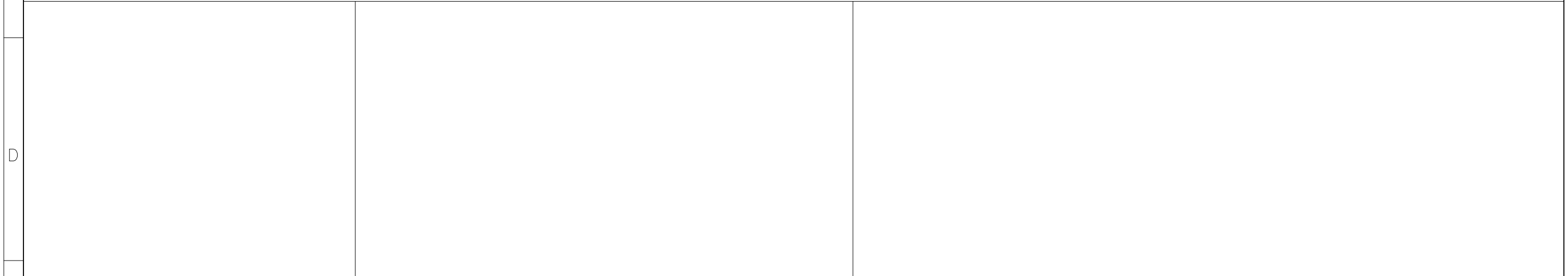
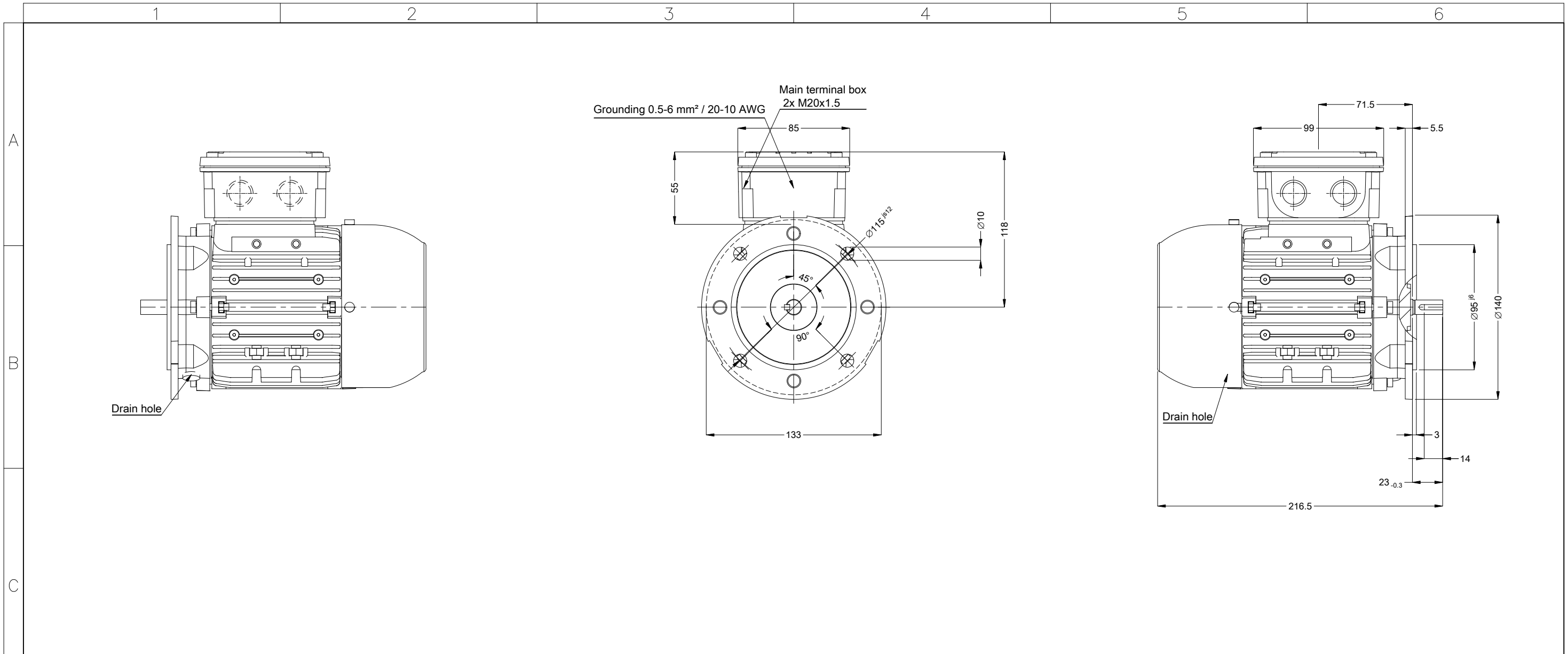


Customer : \_\_\_\_\_

### Thermal protection

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

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		0.12 kW 04 Poles 50 Hz		A	
				Scale 1 : 3	
				HYBRISUSER 00	
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		RELEASED	DATE
CHECKED		FRAME 63 IP55 TEFC		REL. DATE	VER
RELEASED				PREVIEW	
REL. DATE				WDD	00
				SHEET 1 / 1	

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

