

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase			Product code :		13749546
Frame	: 63	Locked rotor time	: 54s (cold) 30s (hot)				
Output	: 0.18 kW (0.25 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				
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC				
LRC	: 4.3	Mounting	: B3T				
Rated speed	: 1380 rpm	Rotation ¹	: Both (CW and CCW)				
Rated torque	: 0.919 ft.lb	Noise level ²	: 44.0 dB(A)				
Insulation class	: F	Starting method	: Direct On Line				
Service factor	: 1.00	Approx. weight ³	: 13.8 lb				
Moment of inertia (J)	: 0.0145 sq.ft.lb						
Design	: N						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	65.0	67.0	69.9	Max. traction : 18 lb			
Power Factor	0.53	0.63	0.72	Max. compression : 32 lb			
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)	
45.5	47.0	41.8	24.1	18.7	14.5	10.9	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6201 ZZ		6201 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	
Date	03/03/2026				1 / 2		

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

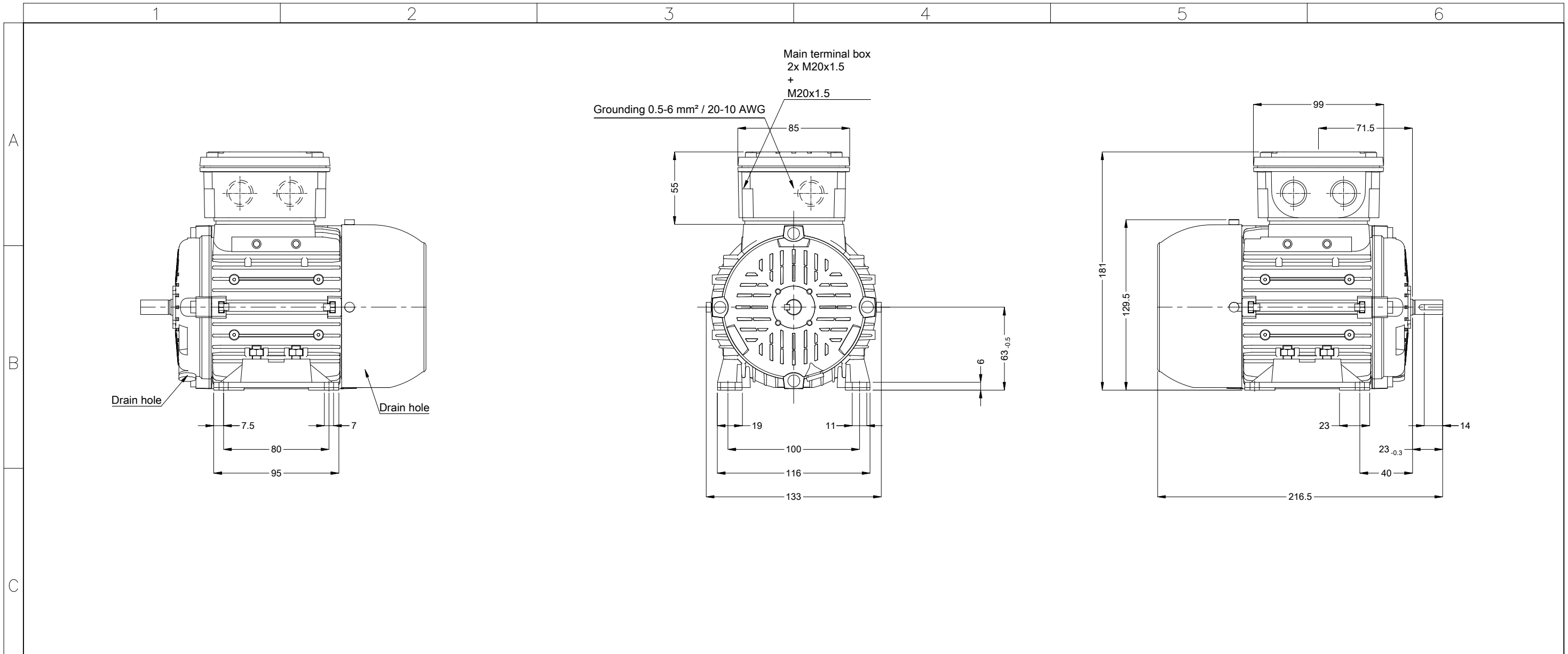


Customer : _____

Thermal protection

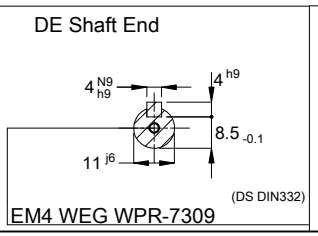
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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



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

Thermal protection to switch off - thermistors 155°C
 Color RAL 5009
 Painting plan 207A
 Mounting B3T



EXECUTED		HYBRISUSER			THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		PREVIEW	
CHECKED					FRAME 63 IP55 TEFC		WDD 00	
RELEASED						SHEET 1 / 1		
REL. DATE								