

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase		Product code :		13749544	
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
LRC	: 6.3	Cooling method	: IC411 - TEFC	YDESCRICAO_CORRENTE			
Rated speed	: 2840 rpm	Mounting	: B3T	NOISE			
Rated torque	: 1.24 Nm	Rotation ¹	: Both (CW and CCW)	MOUNTING			
Insulation class	: F	Noise level ²	: 56.0 dB(A)	ROTATION			
Service factor	: 1.00	Starting method	: Direct On Line	NOISE LEVEL			
Moment of inertia (J)	: 0.0004 kgm ²	Approx. weight ³	: 7.8 kg	STARTING METHOD			
Design	: N						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	73.0	74.5	74.5	Max. traction			: 118 N
Power Factor	0.63	0.70	0.79	Max. compression			: 195 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	
Bearing type			: Drive end	Non drive end			
Sealing			: 6202 ZZ	6202 ZZ			
Lubrication interval			: V'Ring	V'Ring			
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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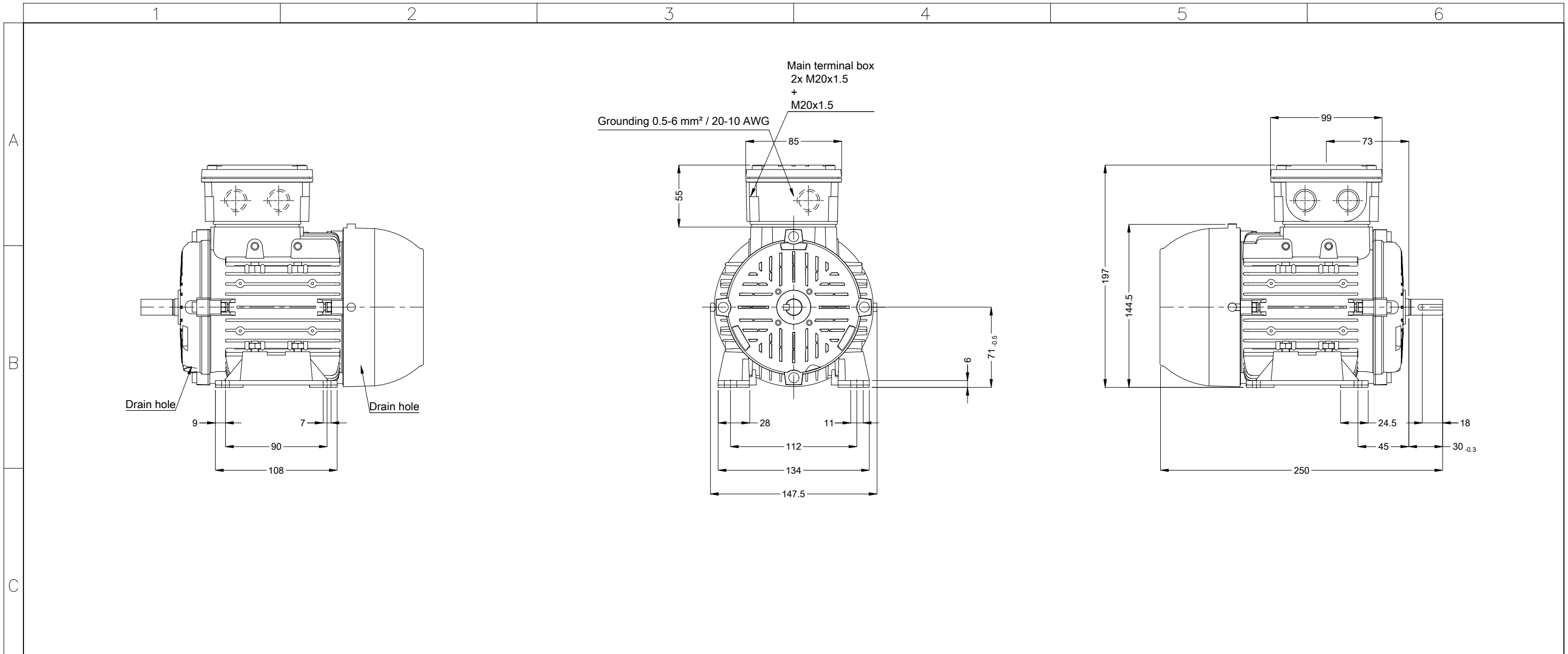


Customer : _____

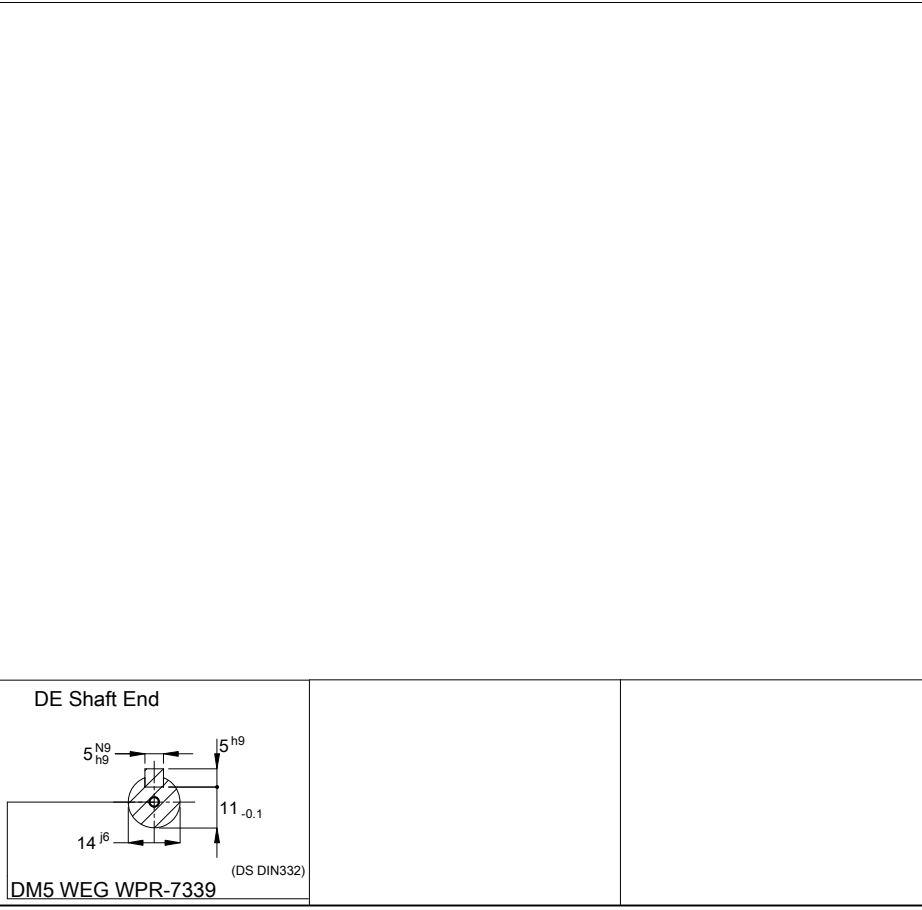
Thermal protection

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

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



0.37 kW 02 Poles 50 Hz										A	
Scale 2 : 7											
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.						PREVIEW			
CHECKED		FRAME 71 IP55 TEFC						WDD	00		
RELEASED								SHEET	1 / 1		
REL. DATE											