

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: ASTRAPROM			
Product line		: Multimounting IE2 Three-Phase		Product code : 11687208	
Frame	: 71	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: B3T		
Duty cycle	: S1	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 10.0 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0009 kgm ²		
Design	: N				
Output [kW]	0.55	0.55	0.55	0.55	0.55
Poles	4	4	4	4	4
Frequency [Hz]	50	50	50	50	60
Rated voltage [V]	220/380	230/400	240/415	460	
Rated current [A]	2.60/1.51	2.60/1.49	2.68/1.55	1.41	
L. R. Amperes [A]	13.0/7.55	13.0/7.45	13.4/7.75	7.47	
LRC [A]	5.0	5.0	5.0	5.3	
No load current [A]	1.62/0.938	1.82/1.05	2.02/1.17	1.15	
Rated speed [RPM]	1365	1375	1380	1705	
Slip [%]	9.00	8.33	8.00	5.28	
Rated torque [Nm]	3.85	3.82	3.81	3.08	
Locked rotor torque [%]	260	280	300	320	
Breakdown torque [%]	270	290	310	330	
Service factor	1.00	1.00	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	34s (cold) 19s (hot)	34s (cold) 19s (hot)	34s (cold) 19s (hot)	34s (cold) 19s (hot)	
Noise level ²	43.0 dB(A)	43.0 dB(A)	43.0 dB(A)	47.0 dB(A)	
Efficiency (%)	25%	0.000	0.000	0.000	0.000
	50%	72.4	72.3	67.8	65.7
	75%	77.1	76.5	72.3	72.6
	100%	77.1	77.1	77.1	76.5
Power Factor	25%	0.00	0.00	0.00	0.00
	50%	0.51	0.45	0.42	0.44
	75%	0.63	0.58	0.53	0.55
	100%	0.72	0.69	0.64	0.64
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	28.0	28.0	28.0	29.0
	P2 (0,5;1,0)	25.2	25.2	25.2	26.1
	P3 (0,25;1,0)	27.1	27.1	27.1	28.0
	P4 (0,9;0,5)	16.2	16.2	16.2	16.8
	P5 (0,5;0,5)	12.2	12.2	12.2	12.6
	P6 (0,5;0,25)	10.0	10.0	10.0	10.3
	P7 (0,25;0,25)	7.3	7.3	7.3	7.6
Bearing type	: Drive end 6202 ZZ	Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 314 N	
Lubrication interval	: 0 h	0 h	Max. compression	: 412 N	
Lubricant amount	: 0 g	0 g			
Lubricant type	: Mobil Polyrex EM				
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	02/04/2026			1 / 2	

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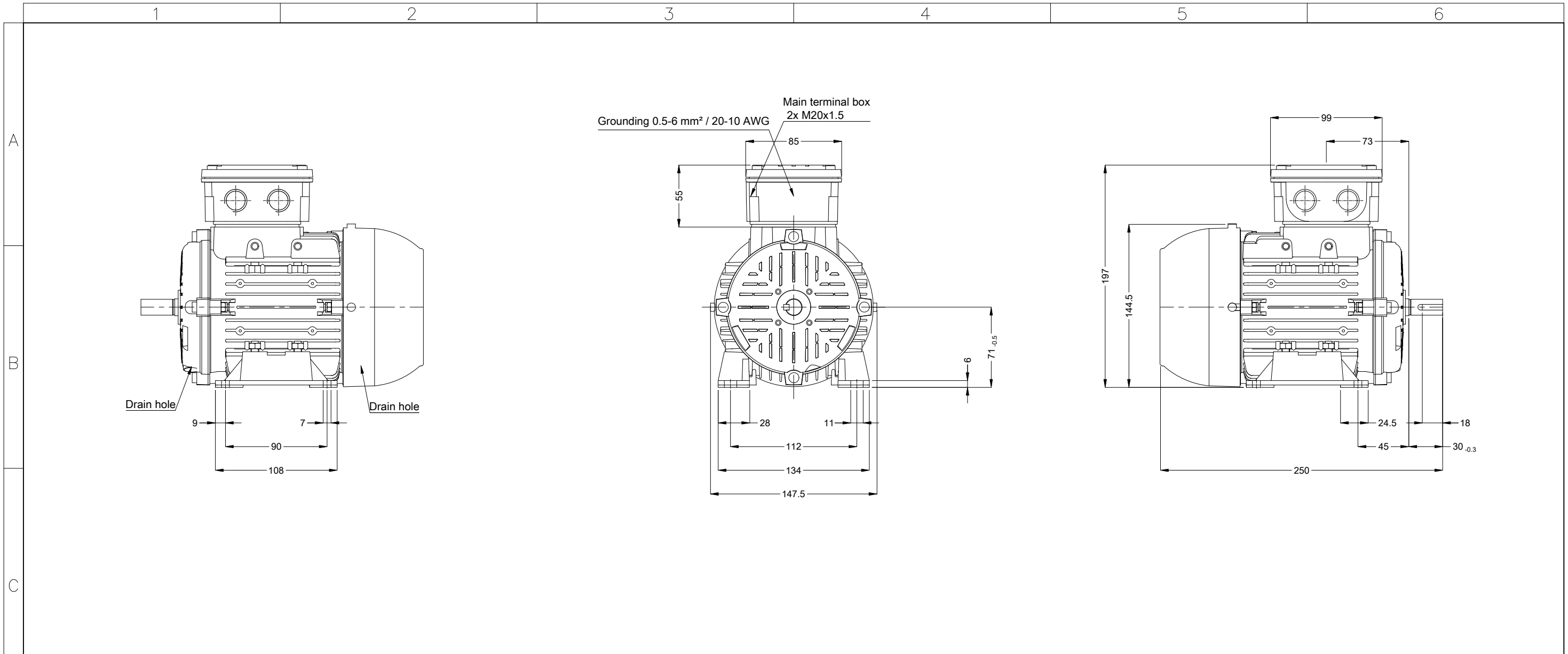
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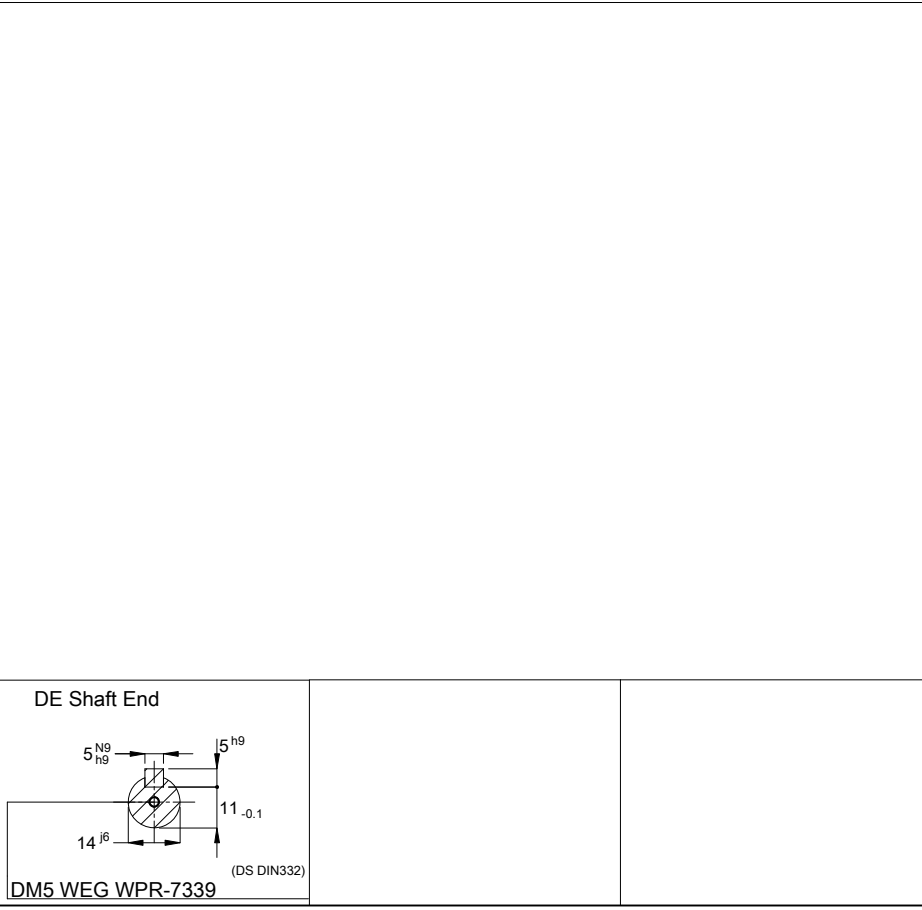
Customer : ASTRAPROM

Notes
W21ALUMINUM IE2 MOTOR

Rev.	Changes Summary	Performed	Checked	Date
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Checked by			Page	Revision
Date	02/04/2026		2 / 2	



Color RAL 5009
 Painting plan 207A
 Mounting B3T



0.55 kW 04 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 A. R. PLUS						PREVIEW			
CHECKED		FRAME 71 IP55 TEFC						WDD	00		
RELEASED								SHEET	1 / 1		
REL. DATE											