

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ASTRAPROM

Product line : W22 IE3 Three-Phase Product code : 12862439

Frame	: 180M	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 22 kW (30 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1
Rated voltage	: 400/690 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 39.8/23.1 A	Protection degree	: IP55
LRC	: 8.3	Cooling method	: IC411 - TEFC
Rated speed	: 2960 rpm	Mounting	: B5T
Rated torque	: 71.0 Nm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 67.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0968 kgm ²	Approx. weight ³	: 183 kg
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	92.0	92.7	92.7	Max. traction	: 2232 N
Power Factor	0.00	0.69	0.80	0.86	Max. compression	: 4023 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)
7.6	6.3	5.7	3.7	2.4	1.5	1.0

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6311 ZZ C3	6211 ZZ C3
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	00088	

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.

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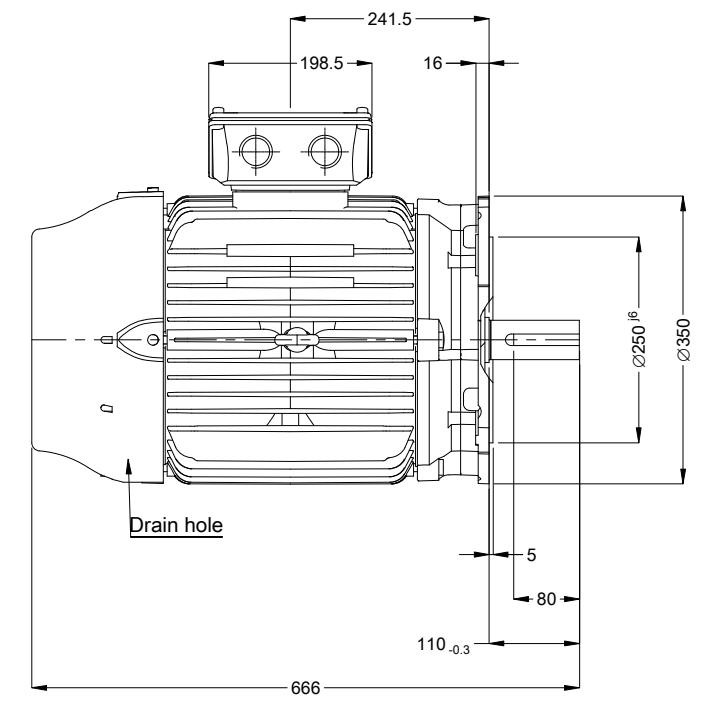
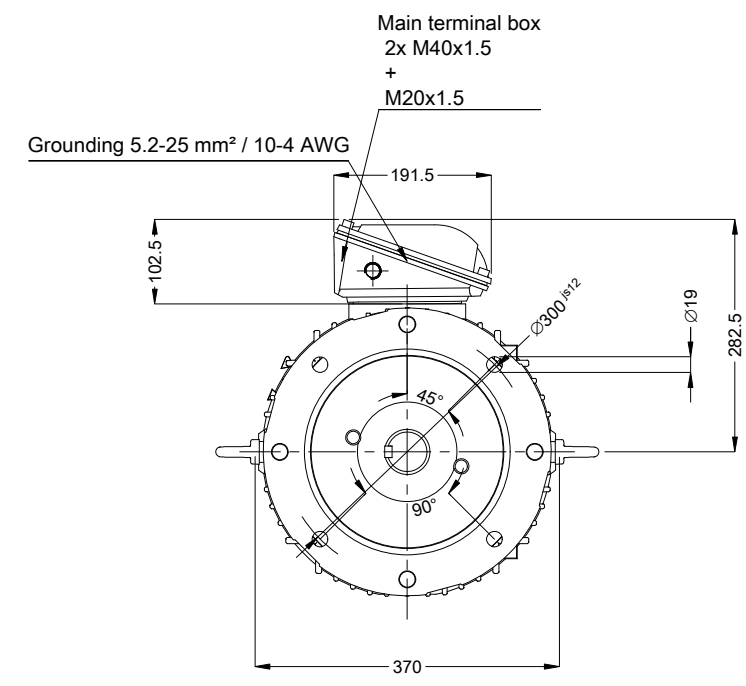
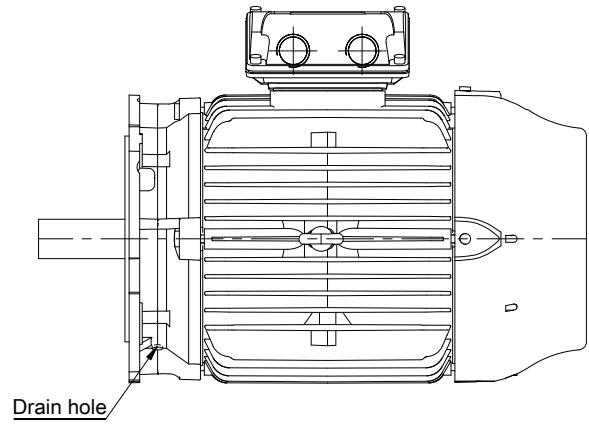
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Thermal protection

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

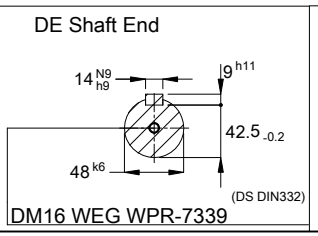
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22 kW 02 Poles 50 Hz A

Scale 1 : 9

ECM	LOC	SUMMARY OF MODIFICATIONS	HYBRISUSER	00
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 IE3	EXECUTED	CHECKED
CHECKED		FRAME 180M IP55 TEFC	RELEASED	DATE
RELEASED				VER
REL. DATE				



- Without vertical jackscrews
- Sealing - oil seal ring
- Color RAL 5009
- Painting plan 203A
- Mounting B5T

EXECUTED		HYBRISUSER		THREE PH. MOTOR W22 IE3 FRAME 180M IP55 TEFC	PREVIEW		
CHECKED					WDD	00	
RELEASED			SHEET	1 / 1			
REL. DATE							