

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Astraprom d.o.o.

Product line : Multimounting IE3 Three-Phase Product code : 12797692

Frame	: 160M/L	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 7.5 kW (10 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1
Rated voltage	: 400/690 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.
Rated current	: 15.2/8.81 A	Protection degree	: IP55
LRC	: 6.6	Cooling method	: IC411 - TEFC
Rated speed	: 975 rpm	Mounting	: B3T
Rated torque	: 73.5 Nm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 54.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 0.1614 kgm ²	Approx. weight ³	: 101 kg
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	86.0	88.5	89.1	Max. traction	: 2755 N
Power Factor	0.61	0.74	0.80	Max. compression	: 3748 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)
12.3	11.4	10.5	5.7	4.3	2.8	2.1

	Drive end	Non drive end
Bearing type	: 6309 ZZ C3	: 6209 ZZ C3
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.

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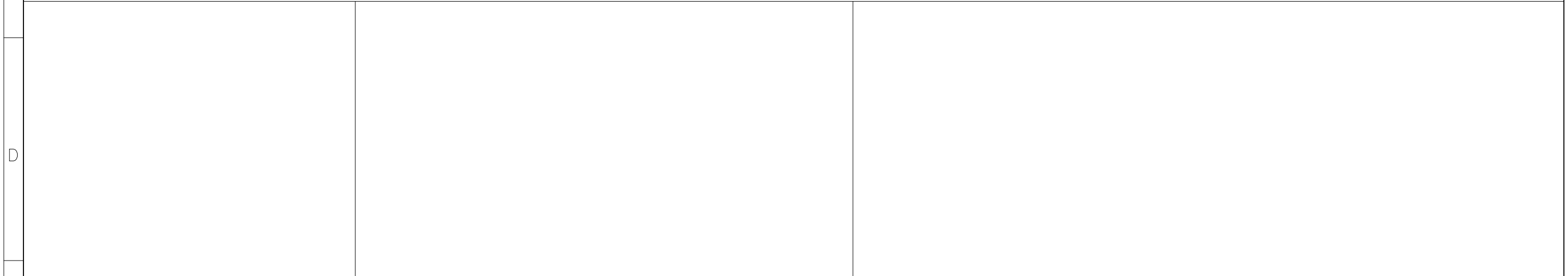
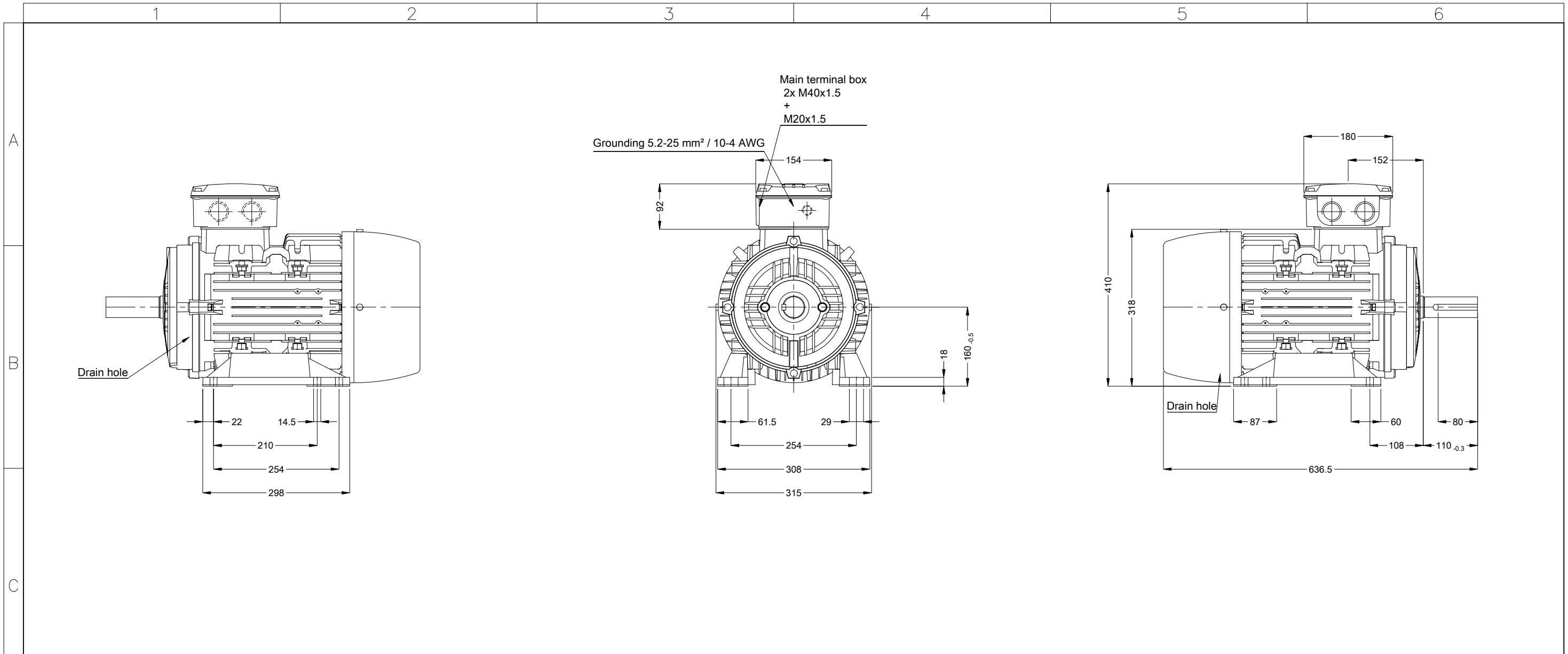
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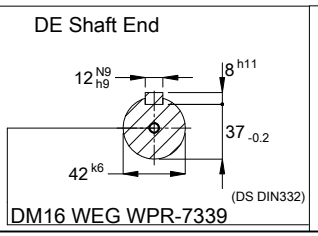
Thermal protection

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

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		7.5 kW 06 Poles 50 Hz		A	
				Scale 1 : 8	
				HYBRISUSER 00	
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.		RELEASED	DATE
CHECKED		FRAME 160M/L IP55 TEFC		REL. DATE	VER
RELEASED				PREVIEW	
REL. DATE				WDD	00
				SHEET 1 / 1	



Color RAL 5009
 Painting plan 203A
 Mounting B3T

Dimensions in mm

A3

