

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE3 Three-Phase Product code : 15546089

Frame	: 132S/M	Locked rotor time	: 12s (cold) 7s (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	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 14.3/8.26 A	Protection degree	: IP56
LRC	: 8.4	Cooling method	: IC411 - TEFC
Rated speed	: 1465 rpm	Mounting	: B3T
Rated torque	: 48.9 Nm	Rotation <sup>1</sup>	: Both (CW and CCW)
Insulation class	: F	Noise level <sup>2</sup>	: 56.0 dB(A)
Service factor	: 1.00	Starting method	: VFD
Moment of inertia (J)	: 0.0566 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 102 kg
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	90.0	90.2	90.4	Max. traction	: 2498 N
Power Factor	0.00	0.67	0.78	0.84	Max. compression	: 3499 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)
10.5	9.7	9.6	4.6	3.6	2.2	1.7

	Drive end	Non drive end
Bearing type	: 6308 ZZ	: 6207 ZZ
Sealing	: Oil Seal	: Lip Seal
Lubrication interval	: 0 h	: 0 h
Lubricant amount	: 0 g	: 0 g
Lubricant type	: Mobil Polyrex EM	

### Notes

Motor suitable for operation at 1000 m.a.s.l, 40°C of ambient temperature, load torque of 46.5 Nm and service factor of 1.00.

ATEX: II 2G Ex db eb IIB T4 Gb

IECEX: Ex db eb IIB T4 Gb

EAC: Ex db eb IIB T4 Gb

Suitable for VSD application with maximum load of 7 kW.

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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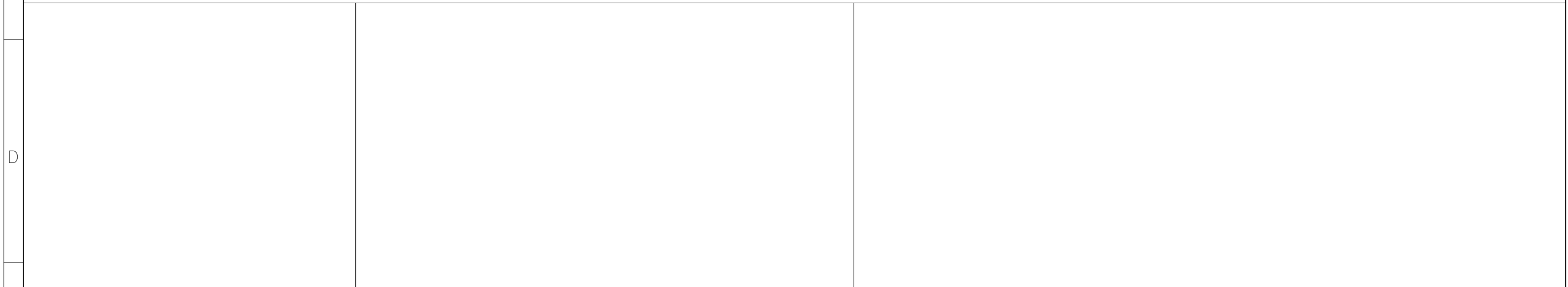
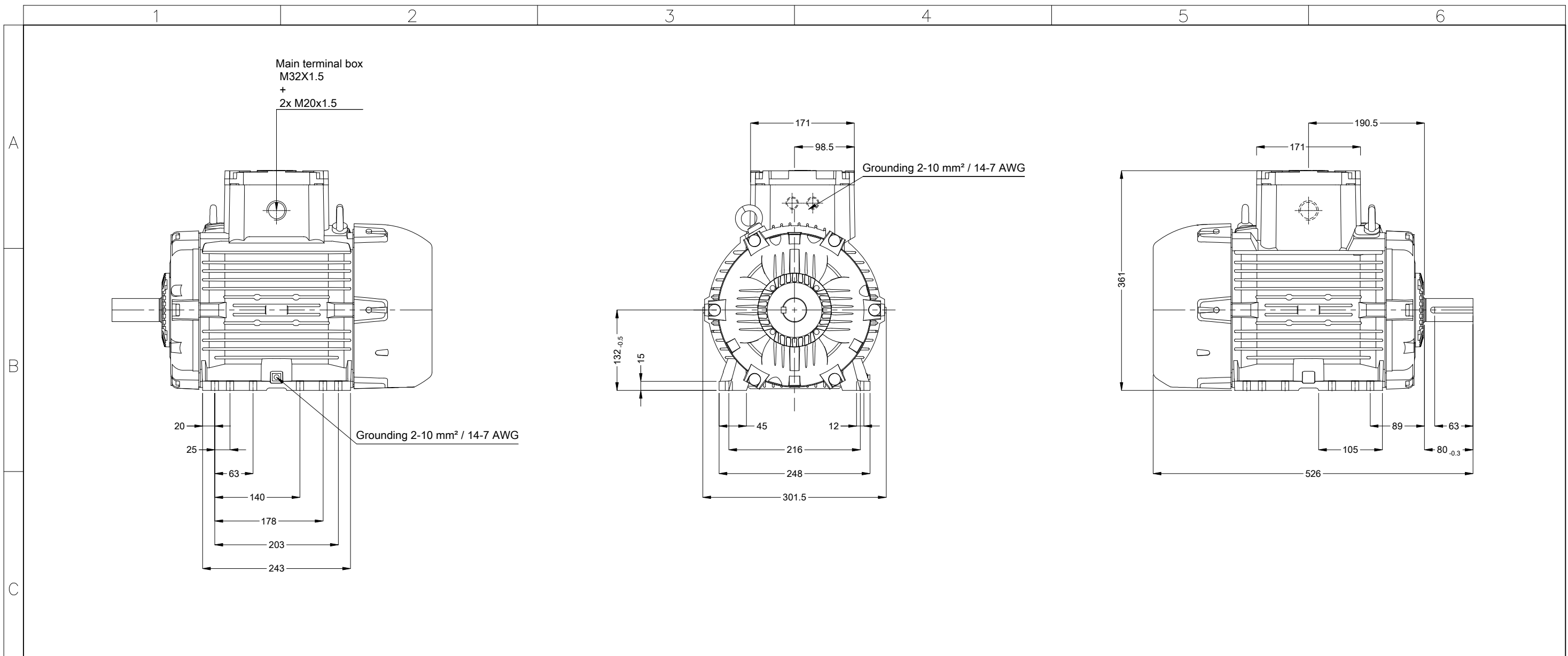
### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

### Space heater information

Voltage: 200 - 240 V

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		7.5 kW 04 Poles 50 Hz		A	
				Scale 2 : 13	
				HYBRISUSER 00	
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22Xdb IE3		RELEASED	DATE
CHECKED		FRAME 132S/M IP56 TEFC		VER	
RELEASED				PREVIEW	
REL. DATE				WDD	00
				SHEET 1 / 1	

Ex eb Increased safety terminal block  
 Color RAL 5009  
 Painting plan 205P  
 Mounting B3T

