

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13749703

Frame	: 90S/L	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 2.2 kW (3 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	:	Protection degree	: IP55
	YDESCRICAO_CORRENTE	Cooling method	: IC411 - TEFC
LRC	: 7.5	Mounting	: B14T
Rated speed	: 2870 rpm	Rotation ¹	: Both (CW and CCW)
Rated torque	: 7.32 Nm	Noise level ²	: 62.0 dB(A)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 20.1 kg
Moment of inertia (J)	: 0.0026 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	86.0	86.5	86.3	Max. traction	: 695 N
Power Factor	0.65	0.77	0.83	Max. compression	: 892 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)
15.6	13.8	12.5	6.7	4.7	2.8	2.0

	Drive end	Non drive end
Bearing type	: 6205 ZZ	: 6204 ZZ
Sealing	: Oil Seal	: Oil Seal
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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Date	02/03/2026			

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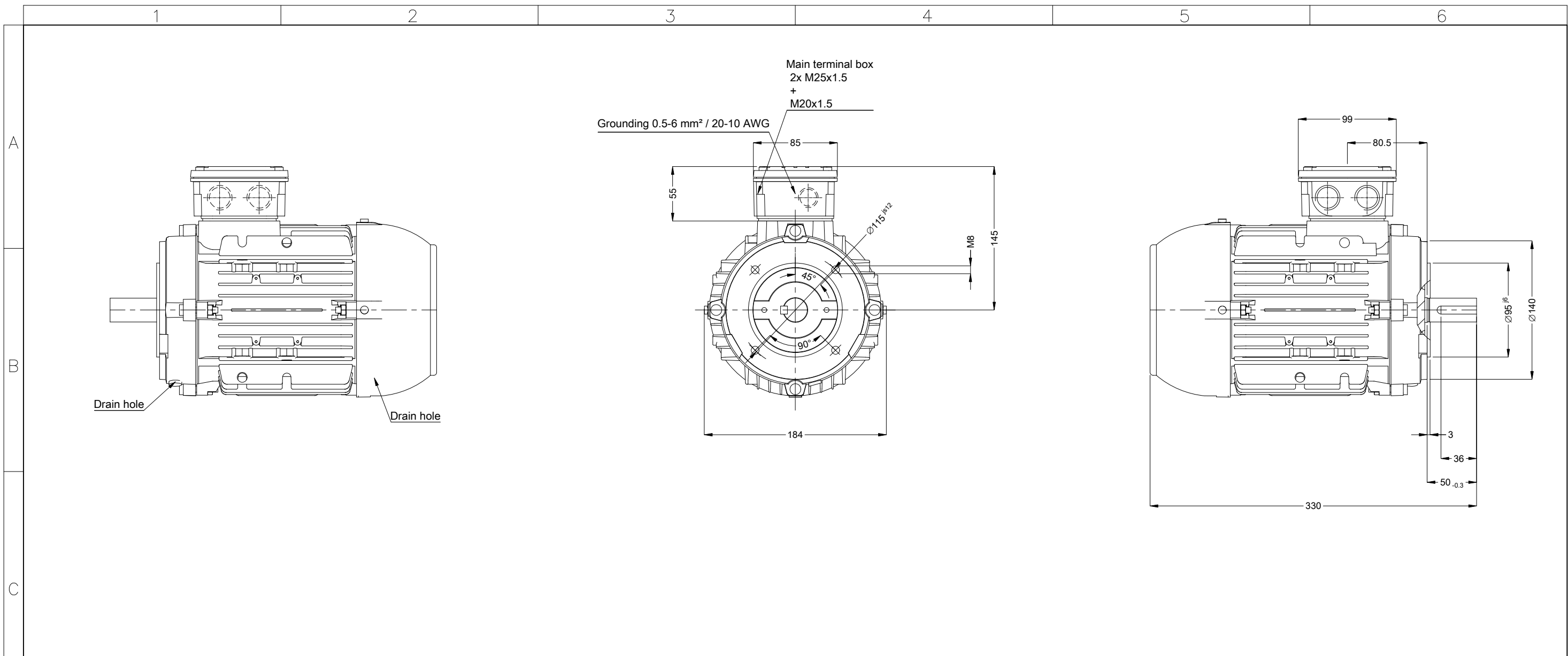


Customer : _____

Thermal protection

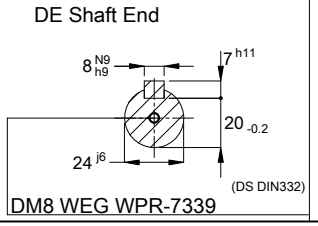
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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D			2.2 kW 02 Poles 50 Hz		A						
			Scale 1 : 4								
E	Sealing - oil seal ring	DE Shaft End (DS DIN332) DM8 WEG WPR-7339			HYBRISUSER	00					
	Bearing cap		ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
	Thermal protection to switch off - thermistors 155°C		EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.						
	Color RAL 5009		CHECKED		FRAME 90S/L IP55 TEFC						
Painting plan 207A	RELEASED										
Mounting B14T	REL. DATE										

Sealing - oil seal ring
Bearing cap
Thermal protection to switch off - thermistors 155°C
Color RAL 5009
Painting plan 207A
Mounting B14T



ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF.					
CHECKED		FRAME 90S/L IP55 TEFC					
RELEASED							
REL. DATE							

PREVIEW
WDD 00
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