

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ASTRAPROM													
Product line : W22 IE4 Three-Phase	Product code : 17010363												
Frame : 315L Output : 200 kW (270 HP) Frequency : 50 Hz Rated voltage : 400/690 V Poles : 4 Rated current : 355/206 A LRC : 7.6 Rated speed : 1491 rpm Rated torque : 1280 Nm Insulation class : F Service factor : 1.00 Moment of inertia (J) : 4.96 kgm ² Design : NE	Locked rotor time : 43s (cold) 24s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Noise level ² : 73.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 1345 kg												
<table border="1"> <tr> <td>Output</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>95.8</td> <td>96.5</td> <td>96.7</td> </tr> <tr> <td>Power Factor</td> <td>0.70</td> <td>0.80</td> <td>0.84</td> </tr> </table>	Output	50%	75%	100%	Efficiency (%)	95.8	96.5	96.7	Power Factor	0.70	0.80	0.84	Foundation loads Max. traction : 21953 N Max. compression : 35144 N
Output	50%	75%	100%										
Efficiency (%)	95.8	96.5	96.7										
Power Factor	0.70	0.80	0.84										
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)							
4.0	3.2	2.6	2.4	1.7	1.3	0.7							
Bearing type : 6319 C3			Non drive end 6316 C3										
Sealing : WSeal			WSeal										
Lubrication interval : 11000 h			13000 h										
Lubricant amount : 45 g			34 g										
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													
Checked by					Page	Revision							
Date	27/03/2026				1 / 2								

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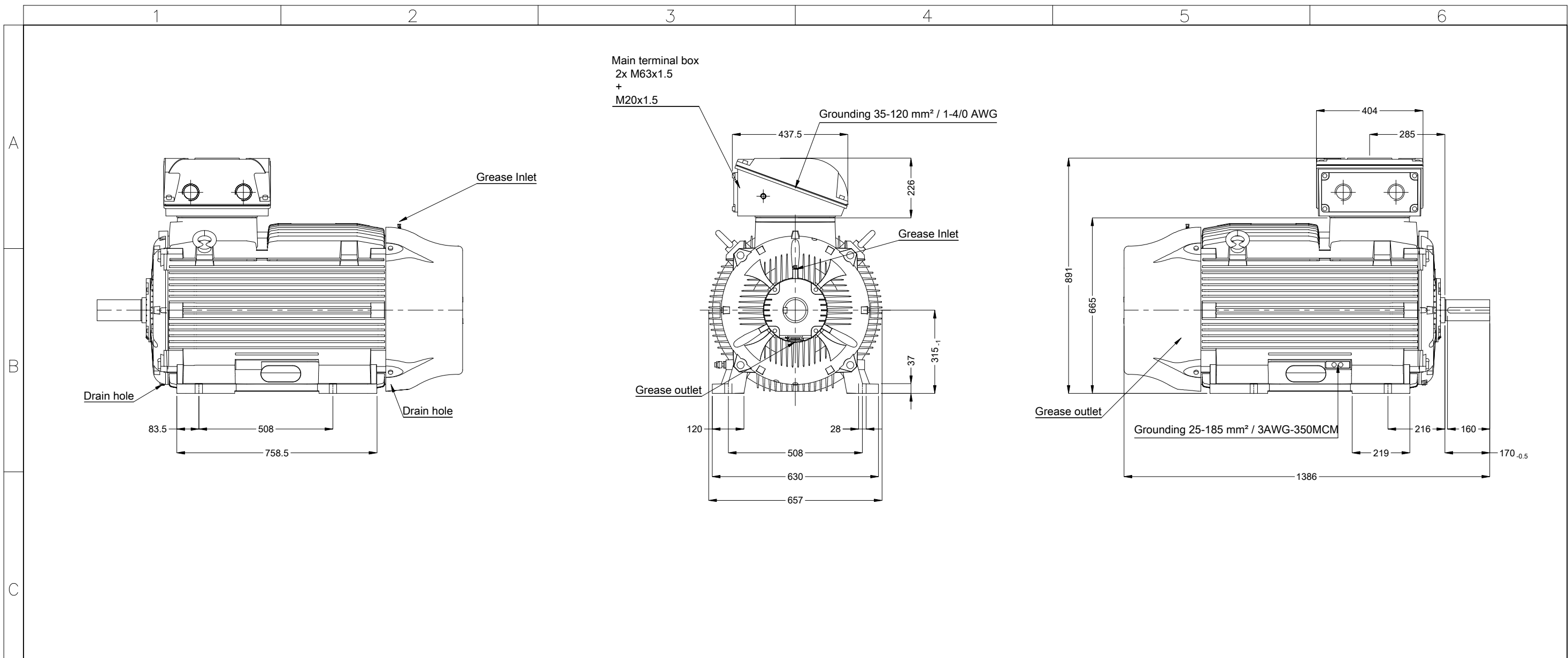
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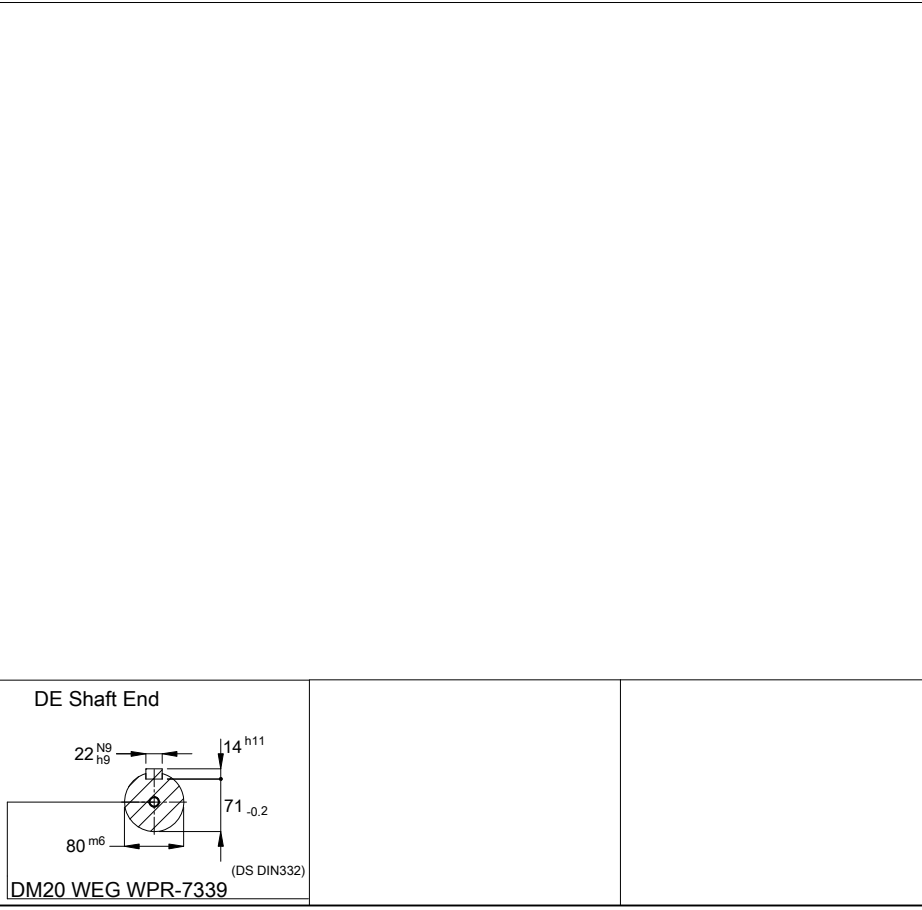
Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date
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NDE endshield with electrically insulated bearing hub
 Color RAL 5009
 Painting plan 203A
 Mounting B3T



200 kW 04 Poles 50 Hz										A	
Scale 1 : 15											
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 IE4 FRAME 315L IP55 TEFC					PREVIEW				
CHECKED							WDD		00		
RELEASED							SHEET		1 / 1		
REL. DATE											