

MODEL/
STEAM OUTPUT
(kg/h)*

10

20

40

60

80

100

130

160

200

260

320

Heat output (kW)

8

16

32

48

67

80

107

120

160

200

240

Electrical power (kW)

8,7

16,7

32,7

48,7

67,7

80,7

107,7

120,7

160,7

200,7

240,7

Electrical connections**

1

2

The following services are incurred depending on the design.

Electrical power
control voltage
230 VAC (option
MX-CPA) (kW)

0,25

Electrical power
cooling unit (kW)

0,95

1,45

Electrical power
feed water heating
(kW)

9 / 18

9 / 18 / 27 / 36

Operating voltage

380-480 V · 50/60 Hz

*based on feed water temperature of 10 °C and 0,6 MPa (6 bar) steam overpressure

**A separate fuse is required for each connection. The connection cross-section is to be sized according to the electrical power and the on-site conditions (max. 120 mm²).





CERTUSS



ELECTRIC STEAM GENERATOR

THE PERFORMANCE CLASS

GENERATION E

[TECHNICAL DATASHEET]

www.certuss-emx.com

E-MX

TECHNICAL DATA

MODEL/
STEAM OUTPUT
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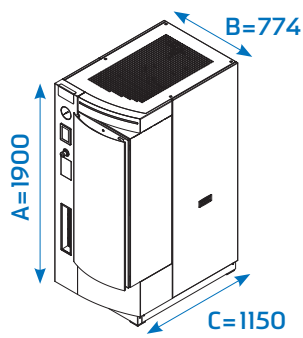
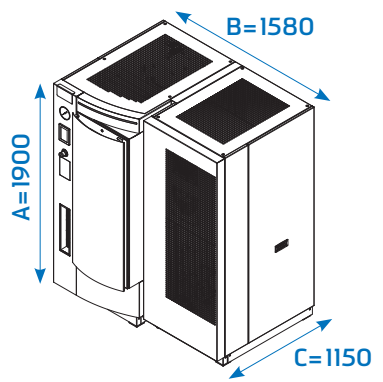
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Heat output (kW)	8	16	32	48	67	80	107	120	160	200	240	
Heating surface (m ²)	0,104	0,208	0,313	0,417	0,521	0,625	0,833	0,938	1,250	1,667	1,875	
Water volume (l)	37 (NW = 16,0)			45 (NW = 24,2)				89 (NW = 45,8)				
Measures (mm)	<p>Height (A) Width (B) Depth (C)</p> 											
Empty weight (kg)	400			550				850				
Operating weight (kg)	520			630				960				
Design pressue	4 bar / 0,4 MPa											
	6 bar / 0,6 MPa											
	10 bar / 1,0 MPa											
	12 bar / 1,2 MPa											
	13 bar / 1,3 MPa											
	16 bar / 1,6 MPa											
Working pressure min. / max.	3,0 / 3,5 bar · 0,3 / 0,35 MPa											
	3,5 / 5,5 bar · 0,35 / 0,55 MPa											
	3,5 / 9,0 bar · 0,35 / 0,90 MPa											
	3,5 / 11,0 bar · 0,35 / 1,1 MPa											
	3,5 / 11,8 bar · 0,35 / 1,18 MPa											
	3,5 / 14,5 bar · 0,35 / 1,45 MPa											

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Steam outlet	1/2"				1"				
Soft water connection	1/2"								
Safety valve	4-6 bar	1"				1 1/4"			
	10-13 bar	1"				1"			
	16 bar	1"				1 1/4"			
Blow down / desalination line	1/2"								
Overflow / drainage feed water tank	1"								
Condensate return	1"								
Vapor vent line	1"								

VOLUME

Volume
feed water tank

45,5 ltr.

MATERIAL

Pressure vessel

P235GH / Stainless steel (AISI 316 Ti)

Feed water tank

Stainless steel (AISI 316 Ti)

Armatures

Brass / Stainless steel (AISI 316L/AISI 316 Ti)

Housing

S235JR / Stainless steel (AISI 304)

CATEGORY

In accordance to
DGRL2014/68/EU

4 bar

II

III

6-16 bar

III

III

In accordance to
BetrSichV

4 bar

II

III

6-10 bar

III

III

12-16 bar

III

IV