DATA SHEET

T 3977 EN

Type 7121 Mobile El. Steam Generator

For generation of small to medium steam output for batch production

Application

Mobile electric steam generator with max. 90 kW for steam generation.

The electric steam generator with up to 90 kW heating power is a mobile ready-to-use unit, consisting of a boiler housing, control valves and a control module in one enclosure.

Fig. 1: *Type 7121 Electric Steam Generator with Type 7126 Feedwater System and Type 7123 Movable Base*

Special features

- Compact, portable design
- Directly available steam supply
- Flexible and scalable heating and steam supply to meet different requirements
- No primary energy transfer medium (oil or gas)
  Eco-friendly steam generation when operated with green power
- Plug-and-play solution
- Very little installation work required with no additional pipework
- Low cost of operation and maintenance

Electric steam generator versions

Versions

Type 7121 · Rating between 15 and 90 kW · Operating pressure up to max. 5.0 bar · Steam temperature up to max. 158 °C

Accessories

– Type 7123 Movable Base
  ▶ T 3978
– Type 7125 Blowdown Vessel
  ▶ T 3979
– Type 7126 Feedwater System
  ▶ T 3980

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Fields of application

The Type 7121 Steam Generator is a mobile unit for flexible steam generation at any location.
The Type 7121 Electric Steam Generator fitted with the Type 7125 Blowdown Vessel and Type 7126 Feedwater System is designed for industrial use and is ideally suited for flexible small-scale steam generation. The Type 7123 Movable Base is used to facilitate transportation of the compact unit.

Electric steam generators are highly versatile for use in a wide range of applications. They help maximize the efficiency and cost-effectiveness of processes (see Fig. 2).

Type 7125 Blowdown Vessel ▶ T 3979

A blowdown must be performed once daily. We recommend using the Type 7125 Blowdown Vessel in cases where a vessel to cool the blowdown water is not available on site.

Type 7126 Feedwater System ▶ T 3980

A feedwater system is required when the upstream pressure of the water is not at least 1 bar higher than the maximum operating pressure or a direct water supply does not exist on site.

Type 7123 Movable Base ▶ T 3978

The movable base is designed to support the Type 7121 Electric Steam Generator and the Type 7126 Feedwater System.

Automotive industry
- Parts cleaning
- Shaping of plastic pipes in steam-pressure bending stations

Construction industry
- Clean-up of contaminated sites
- Wood processing
- Concrete works
- Glass and ceramic industry

Chemicals and petrochemicals
- Processing and recovery of fats, oil and grease
- Mineral oil refining
- Tank cleaning

Service business
- Dry cleaning
- Disinfection
- Hotels
- Hospitals
- Saunas
- Textile processing

Luxury foods industry
- Distilleries
- Chocolates
- Confectionery
- Tobacco products
- Tee and coffee

Beverage industry
- Breweries
- Soft drinks
- Fruit juices
- Mineral water springs

Textile industry
- Dyeworks
- Leather processing
- Recycling
- Textile printing
- Weaving mills

Food industry
- Meat industry
- Dairies
- Bakeries
- Mills
- Refineries

Other industries
- Aviation and shipping
- Surface treatment

Fig. 2: *Fields of application*

Table 1: *Technical data · All dimensions in mm*

Type 7121 Electric Steam Generator							
Rating	**kW**	**15**	**30**	**45**	**60**	**75**	**90**
Steam output	kg/h	20.4	40.8	61.2	81.6	102	122.4
Max. operating gauge pressure		5 bar					
Max. operating temperature		158 °C					
Voltage		400 V · 50 Hz					
Current	A	23.4	43.2	64.8	86.4	108	130
Dimension A1		1050					
Dimension A2		450					
Dimension B		650					
Approx. weight	kg	80					

Table 2: *Materials · Type 7121 Electric Steam Generator*

Boiler	Stainless steel
Enclosure	Stainless steel
Wetted components	Stainless steel

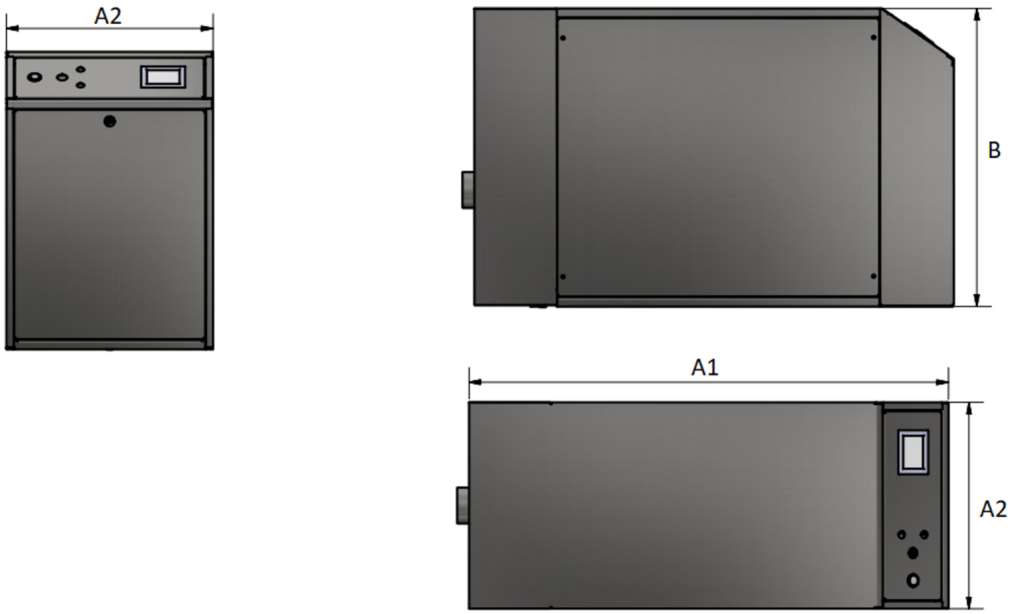

Fig. 3: *Type 7121 Electric Steam Generator · Dimensions*

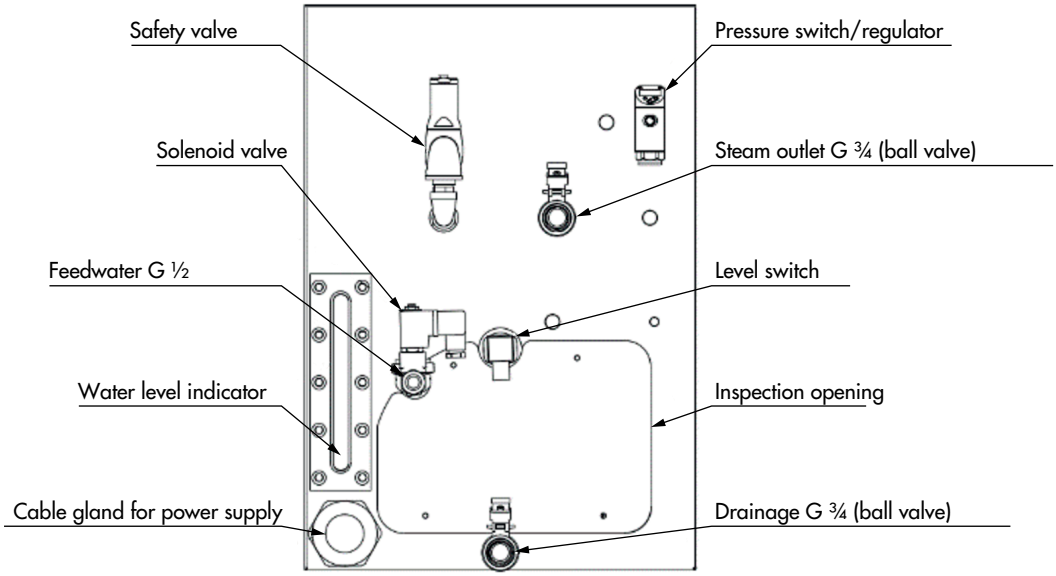

Fig. 4: *Type 7121 Electric Steam Generator · Connections*

RFQ Form for Type 7121 Steam Generator

Customer data	
Company	
Address	
Name	
Phone number	
E-mail	
Send your inquiry to your regional SAMSON contact or e-mail it to ▶ systems-de@samsongroup.com.	
Operating data	
Operating pressure	Max. 5 bar
Operating temperature	Max. 158 °C
Type 7121 Electric Steam Generator	
Max. rating/max. steam output	☐ 15 kW/20.4 kg/h ☐ 30 kW/40.8 kg/h ☐ 45 kW/61.2 kg/h ☐ 60 kW/81.6 kg/h ☐ 75 kW/102.0 kg/h ☐ 90 kW/122.4 kg/h
Accessories	
Type 7123 Movable Base	☐ Yes ☐ No
Type 7125 Blowdown Vessel	☐ Yes ☐ No
Type 7126 Feedwater System	☐ Yes ☐ No
Notes	