Steam Generators & Steam Boilers

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Specification sheet
Data as stated by the manufacturer

Industrial Electric Steam Generators (S / M / L / X Series)



Electric steam generators from 3 to 360 kW (4–500 kg/h of steam) at 0.4–0.7 MPa, in four cabinet series for food processing, laundry, sanitation and process heating. Quote on request. Rated steam temperature 150–170 °C. Steam in 3–5 minutes from start-up; automatic water feed, water-level and pressure control with alarm and protection functions.

S Series (3–60 kW)

Model	Power (kW)	Steam (kg/h)	Voltage (V)	Dimensions (cm)
RDX-3S	3	4	220/380	54*40*78
RDX-6S	6	8	220/380	69*42*82
RDX-9S	9	12	220/380	69*42*82
RDX-12S	12	16	220/380	73*46*84
RDX-18S	18	24	380	74*53*88
RDX-24S	24	32	380	74*53*88
RDX-27S	27	38	380	74*53*88
RDX-30S	30	45	380	74*53*88
RDX-36S	36	50	380	74*53*88
RDX-48S	48	65	380	74*53*88
RDX-54S	54	75	380	74*53*88
RDX-60S	60	85	380	74*53*88

M Series (3–60 kW)

Model	Power (kW)	Steam (kg/h)	Voltage (V)	Dimensions (cm)
RDX-3M	3	4	220/380	60*46*113
RDX-6M	6	8	220/380	60*46*113
RDX-9M	9	12	220/380	60*46*113
RDX-12M	12	16	220/380	60*46*113
RDX-18M	18	24	380	69*56*125
RDX-24M	24	32	380	69*56*125
RDX-27M	27	38	380	69*56*125
RDX-30M	30	45	380	69*56*125
RDX-36M	36	50	380	69*56*125
RDX-48M	48	65	380	69*56*125
RDX-54M	54	75	380	69*56*125
RDX-60M	60	85	380	69*56*125

L Series (72–108 kW)

Model	Power (kW)	Steam (kg/h)	Voltage (V)	Dimensions (cm)
RDX-72L	72	100	380	81*52*103
RDX-90L	90	120	380	81*52*103
RDX-96L	96	132	380	81*52*103
RDX-108L	108	150	380	81*52*103

X Series (144–360 kW)

Model	Power (kW)	Steam (kg/h)	Voltage (V)	Dimensions (cm)
RDX-144X	144	200	380	110*82*118
RDX-216X	216	300	380	110*82*118
RDX-360X	360	500	380	110*82*118

• Rated pressure 0.4–0.7 MPa and rated steam temperature 150–170 °C apply to all models. Models up to 12 kW: 220 V or 380 V; larger models: 380 V. Dimensions as printed by the manufacturer, in cm.

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Fully Premixed Low-NOx Condensing Gas Steam Generator



Natural-gas condensing steam generators, 500 and 1000 kg/h at 1.0 MPa, fully premixed combustion with NOx below 30 mg/m³ and 30–100% modulation.

Item	LSS0.5-1.0-Q	LSS1-1.0-Q
Structure	Once-through water-tube type	Once-through water-tube type
Rated steam output (kg/h)	500	1000
Rated steam pressure (MPa)	1.0	1.0
NOx emission (mg/m³)	<30	<30
Rated gas consumption (Nm³/h)	36-38	72-75
Fuel	Natural gas	Natural gas
Gas supply pressure (kPa)	5-7	5-7
Load modulation range	30%-100%	30%-100%
Flue gas temperature (℃)	60-78	60-78
Electrical power (kW)	≤5	≤5
Power supply	380V 50HZ	380V 50HZ
Dimensions L×W×H (mm)	2000*1000*1800	2200*1150*1970
Steam outlet	DN32 flange	DN40 flange
Chimney connection (mm)	Φ200	Φ300
Unit weight (kg)	960	1420

• Natural gas lower heating value taken as 8600 kcal/m³.
• In operation, keep the steam pressure above 0.5 MPa for continuous, stable supply to the steam users. If the users need steam below 0.5 MPa, install a separate pressure-reducing valve.
• For safety, a gas leak alarm and gas shut-off device must be installed in the boiler room.

Biomass Steam Generator (Pellet and Firewood)



Biomass steam generators, 200 to 540 kg/h at 0.7 MPa, burning wood pellets or firewood, with one-button operation, automatic water feed and pressure control.

Model	LSG0.2-0.7-SC	LSG0.3-0.7-SC	LSG0.6-0.7-SC
Rated steam output (kg/h)	200	300	540
Rated working pressure (MPa)	0.7	0.7	0.7
Fuel (as listed in the table)	Wood pellets	Wood pellets	Wood pellets
Fuel consumption (kg/h)	33-38	50-55	100-110
Steam outlet (DN)	20	20	20
Chimney diameter (mm)	Φ140	Φ140	Φ140 (2 flues)
Unit dimensions (mm)	2000*750*1550	2000*800*1650	2200*1360*1650
Shipping weight (kg)	670	750	1460
Electrical power (kW)	≤3	≤3	≤6
Power supply	Single-phase 220V 50HZ	Single-phase 220V 50HZ	Single-phase 220V 50HZ

• The specification table lists wood pellets as the fuel; the feature list describes the unit as biomass pellet + firewood dual-fuel.

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Gas-Fired Membrane-Wall Steam Boiler (NSZS Series)



Natural-gas steam boilers, 300 to 1000 kg/h at 0.8 MPa, membrane-wall heat exchange, finned-tube economizer with flue gas below 80°C, multiple safety alarms.

Model	NSZS0.3-0.8-QY	NSZS0.5-0.8-QY	NSZS1.0-0.8-0Y
Rated steam output (kg/h)	300	500	1000
Rated steam pressure (MPa)	0.8	0.8	0.8
Fuel	Natural gas	Natural gas	Natural gas
Thermal efficiency	>98%	>98%	>98%
Power supply	Single-phase 220V/50HZ	Three-phase 380V/50HZ	Three-phase 380V/50HZ
Steam outlet (DN)	DN25	DN32	DN40
Chimney diameter (mm)	159	219	325
Natural gas consumption (Nm³/h)	22-25	38-40	76-78
Shipping dimensions (mm)	1870*1150*1600	2150*1250*1800	2600*1500*2070
Shipping weight (kg)	850	1270	2150

• For safety, a gas leak alarm and gas shut-off device must be installed in the boiler room.

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