

ELECTRIC STEAM GENERATORS · SERIES NDD-3

NDD-3

Code NDD-3 · Line Low pressure · 7 Performance classes · max. 3 bar(g) · max. 24 kg steam/h

The NDD series stands for compact, portable steam generators with a small footprint and a high degree of flexibility in installation. Thanks to their simple operation and the option of decentralised installation, the series is the ideal solution for a fast steam supply that matches actual demand. All units in this series are supplied with a 3 m electrical connection cable including a CEE plug.

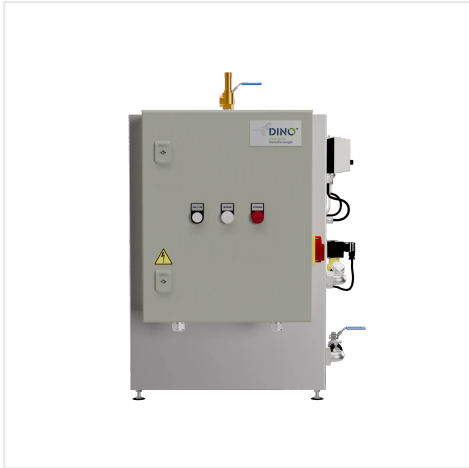


Fig.: NDD-3



Performance

Specification	NDD3-3	NDD4,5-3	NDD6-3	NDD9-3	NDD12-3	NDD15-3	NDD18-3
Steam Output (kg/h)	4	6	8	12	15	20	24
Heat output (kcal/h)	2,617	3,925	5,233	7,850	9,812	13,083	15,699
Working pressure min. (bar(g))	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Working pressure max. (bar(g))	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Max. operating pressure (bar(g))	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Max. Steam Temperature (°C)	144	144	144	144	144	144	144

Electrical ratings

Specification	NDD3-3	NDD4,5-3	NDD6-3	NDD9-3	NDD12-3	NDD15-3	NDD18-3
Operating Voltage (V)	400	400	400	400	400	400	400
Frequency (Hz)	50	50	50	50	50	50	50
Phases	3+PE	3+PE	3+PE	3+PE	3+PE	3+PE	3+PE
Heating Output (kW)	3	4.5	6	9	12	15	18
Total Connected Load (kW)	3.5	5	6.5	9.5	12.5	15.5	18.5
Control voltage (V DC)	24	24	24	24	24	24	24
Total rated current (A)	5	7	9	13	18	22	27
Fusing (site-supplied) (A)	10	16	16	16	20	32	32
Minimum cross-section (mm²)	4x2,5	4x2,5	4x2,5	4x2,5	4x4,0	4x4,0	4x6,0
Connector plug	CEE 16A	CEE 16A	CEE 16A	CEE 16A	CEE 32A	CEE 32A	CEE 32A

Mechanical Connections

Specification	NDD3-3	NDD4,5-3	NDD6-3	NDD9-3	NDD12-3	NDD15-3	NDD18-3
Steam Line	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"
Water Inlet	AG R1/2"	AG R1/2"	AG R1/2"	AG R1/2"	AG R1/2"	AG R1/2"	AG R1/2"
Blowdown valve	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"
Safety valve	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"

Dimensions & Emissions

Specification	NDD3-3	NDD4,5-3	NDD6-3	NDD9-3	NDD12-3	NDD15-3	NDD18-3
Width (mm)	650	650	650	650	650	650	650
Height (mm)	850	850	850	850	850	850	850
Length (mm)	730	730	730	730	730	730	730
Weight (kg)	65	65	65	65	65	65	65
Sound Pressure Level (dB(A))	60	60	60	60	60	60	60

Equipment levels

Castor frame

For easily changing the installation location.

Mechanical level control

For the use of demineralised water.

Feedwater pump

At a water inlet pressure below 3.0 bar(g).

Automatic blowdown

For high intensity of use or low water quality.

Special voltage

For example for use abroad.

Standards & compliance: CE · Pressure Equipment Directive 2014/68/EU · EMC Directive 2014/30/EU · Low Voltage Directive 2014/35/EU · VDE-compliant wiring