

ELECTRIC STEAM GENERATORS · SERIES CDS-E-10

CDS-E-10

Code CDS-E-10 · Line Standard · 9 Performance classes · max. 10 bar(g) · max. 96 kg steam/h



Fig.: CDS-E-10



Performance

Specification	CD9S-E-10	CD18S-E-10	CD22,5S-E-10	CD27S-E-10	CD36S-E-10	CD45S-E-10	CD54S-E-10	CD63S-E-10	CD72S-E-10
Steam Output (kg/h)	12	24	30	36	48	60	72	84	96
Heat output (kcal/h)	7,971	15,943	19,929	23,914	31,886	39,857	47,829	55,800	63,772
Working pressure min. (bar(g))	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Working pressure max. (bar(g))	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Max. operating pressure (bar(g))	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
Max. Steam Temperature (°C)	184	184	184	184	184	184	184	184	184

Electrical ratings

Specification	CD9S-E-10	CD18S-E-10	CD22,5S-E-10	CD27S-E-10	CD36S-E-10	CD45S-E-10	CD54S-E-10	CD63S-E-10	CD72S-E-10
Operating Voltage (V)	400	400	400	400	400	400	400	400	400
Frequency (Hz)	50	50	50	50	50	50	50	50	50
Phases	3+PE	3+PE	3+PE	3+PE	3+PE	3+PE	3+PE	3+PE	3+PE
Heating Output (kW)	9	18	22.5	27	36	45	54	63	72
Total Connected Load (kW)	11	20	24.5	29	38	47	56	65	74
Control voltage (V DC)	24	24	24	24	24	24	24	24	24
Total rated current (A)	16	29	35	42	55	68	81	93	107
Fusing (site-supplied) (A)	16	35	50	50	63	80	100	100	125
Minimum cross-section (mm²)	4x2,5	4x6,0	4x10,0	4x16,0	4x25,0	4x35,0	4x35,0	4x35,0	4x50,0

Mechanical Connections

Specification	CD9S-E-10	CD18S-E-10	CD22,5S-E-10	CD27S-E-10	CD36S-E-10	CD45S-E-10	CD54S-E-10	CD63S-E-10	CD72S-E-10
Steam Line	IG G1/2"	IG G1/2"	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"	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"	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"	IG G1/2"	IG G1/2"

Compressed air

Specification	CD9S-E-10	CD18S-E-10	CD22,5S-E-10	CD27S-E-10	CD36S-E-10	CD45S-E-10	CD54S-E-10	CD63S-E-10	CD72S-E-10
Compressed air min. (bar(g))	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Compressed air max. (bar(g))	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Dimensions & Emissions

Specification	CD9S-E-10	CD18S-E-10	CD22,5S-E-10	CD27S-E-10	CD36S-E-10	CD45S-E-10	CD54S-E-10	CD63S-E-10	CD72S-E-10
Width (mm)	850	850	850	850	850	850	850	850	850
Height (mm)	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160
Length (mm)	986	986	986	986	986	986	986	986	986
Weight (kg)	240	240	240	240	240	240	240	240	240

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Sound Pressure Level (dB(A))	63	63	63	63	63	63	63	63	63

Equipment levels

- Castor frame**
For easily changing the installation location.
- Special voltage**
For example for use abroad.
- Heating output selector switch with 3 power levels**
- Air-conditioned control cabinet**
At an ambient temperature above 30°C.

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