

ELECTRIC STEAM GENERATORS · SERIES CDS-DR-V-5

CDS-DR-V-5

Code CDS-DR-V-5 · Line Standard · 5 Performance classes · max. 5 bar(g) · max. 288 kg steam/h



Fig.: CDS-DR-V-5



Performance

Specification	CD36S-DR-V-5	CD45S-DR-V-5	CD54S-DR-V-5	CD63S-DR-V-5	CD72S-DR-V-5
Steam Output (kg/h)	144	180	216	252	288
Heat output (kcal/h)	94,816	118,519	142,223	165,927	189,631
Working pressure min. (bar(g))	1.0	1.0	1.0	1.0	1.0
Working pressure max. (bar(g))	5.0	5.0	5.0	5.0	5.0
Max. operating pressure (bar(g))	5.8	5.8	5.8	5.8	5.8
Max. Steam Temperature (°C)	158.8	158.8	158.8	158.8	158.8

Electrical ratings

Specification	CD36S-DR-V-5	CD45S-DR-V-5	CD54S-DR-V-5	CD63S-DR-V-5	CD72S-DR-V-5
Operating Voltage (V)	400	400	400	400	400
Frequency (Hz)	50	50	50	50	50
Phases	3+PE	3+PE	3+PE	3+PE	3+PE
Heating Output (kW)	3× 36	3× 45	3× 54	3× 63	3× 72
Heating element arrangement	3x	3x	3x	3x	3x
Total Connected Load (kW)	111	138	165	192	219
Control voltage (V DC)	24	24	24	24	24
Total rated current (A)	3× 54	3× 67	3× 80	3× 92	3× 106
Fusing (site-supplied) (A)	3× 63	3× 80	3× 100	3× 100	3× 125
Minimum cross-section (mm²)	3x 4x25,0	3x 4x35,0	3x 4x35,0	3x 4x35,0	3x 4x50,0

Mechanical Connections

Specification	CD36S-DR-V-5	CD45S-DR-V-5	CD54S-DR-V-5	CD63S-DR-V-5	CD72S-DR-V-5
Steam Line	Flansch DN25	Flansch DN25	Flansch DN25	Flansch DN32	Flansch DN32
Water Inlet	IG 1"	IG 1"	IG 1"	IG 1"	IG 1"
Blowdown valve	Flansch DN25	Flansch DN25	Flansch DN25	Flansch DN25	Flansch DN25
Safety valve	Flansch DN32	Flansch DN32	Flansch DN32	Flansch DN32	Flansch DN32
Condensate safety valve	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"
Condensate steam line	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"

Compressed air

Specification	CD36S-DR-V-5	CD45S-DR-V-5	CD54S-DR-V-5	CD63S-DR-V-5	CD72S-DR-V-5
Compressed air min. (bar(g))	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

Dimensions & Emissions

Specification	CD36S-DR-V-5	CD45S-DR-V-5	CD54S-DR-V-5	CD63S-DR-V-5	CD72S-DR-V-5
Width (mm)	1,200	1,200	1,200	1,200	1,200

Specification	CD36S-DR-V-5	CD45S-DR-V-5	CD54S-DR-V-5	CD63S-DR-V-5	CD72S-DR-V-5
Height (mm)	2,336	2,336	2,336	2,336	2,336
Length (mm)	1,200	1,200	1,200	1,200	1,200
Weight (kg)	870	870	870	870	870
Sound Pressure Level (dB(A))	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