

ELECTRIC STEAM GENERATORS · SERIES CDK-DU-V-10

CDK-DU-V-10

Code CDK-DU-V-10 · Line Compact · 5 Performance classes · max. 10 bar(g) · max. 192 kg steam/h



Fig.: CDK-DU-V-10



Performance

Specification	CD36K-DU-V-10	CD45K-DU-V-10	CD54K-DU-V-10	CD63K-DU-V-10	CD72K-DU-V-10
Steam Output (kg/h)	96	120	144	168	192
Heat output (kcal/h)	63,772	79,715	95,657	111,600	127,543
Working pressure min. (bar(g))	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
Max. operating pressure (bar(g))	11.5	11.5	11.5	11.5	11.5
Max. Steam Temperature (°C)	184	184	184	184	184

Electrical ratings

Specification	CD36K-DU-V-10	CD45K-DU-V-10	CD54K-DU-V-10	CD63K-DU-V-10	CD72K-DU-V-10
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)	2× 36	2× 45	2× 54	2× 63	2× 72
Heating element arrangement	2x	2x	2x	2x	2x
Total Connected Load (kW)	76	94	112	130	148
Control voltage (V DC)	24	24	24	24	24
Total rated current (A)	2× 55	2× 68	2× 81	2× 93	2× 107
Fusing (site-supplied) (A)	2× 63	2× 80	2× 100	2× 100	2× 125
Minimum cross-section (mm ²)	2x 4x25,0	2x 4x35,0	2x 4x35,0	2x 4x35,0	2x 4x50,0

Mechanical Connections

Specification	CD36K-DU-V-10	CD45K-DU-V-10	CD54K-DU-V-10	CD63K-DU-V-10	CD72K-DU-V-10
Steam Line	Flansch DN15	Flansch DN15	Flansch DN15	Flansch DN20	Flansch DN20
Water Inlet	AG R1/2"	AG R1/2"	AG R1/2"	AG R1/2"	AG R1/2"
Blowdown valve	AG 3/4"	AG 3/4"	AG 3/4"	AG 3/4"	AG 3/4"
Safety valve	Flansch DN25	Flansch DN25	Flansch DN25	Flansch DN25	Flansch DN25
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"
Tank overflow / drain	AG G3/4"	AG G3/4"	AG G3/4"	AG G3/4"	AG G3/4"
Tank condensate inlet	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"	IG G1/2"
Flash steam	IG G3/4"	IG G3/4"	IG G3/4"	IG G3/4"	IG G3/4"

Compressed air

Specification	CD36K-DU-V-10	CD45K-DU-V-10	CD54K-DU-V-10	CD63K-DU-V-10	CD72K-DU-V-10
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	CD36K-DU-V-10	CD45K-DU-V-10	CD54K-DU-V-10	CD63K-DU-V-10	CD72K-DU-V-10
Width (mm)	1,200	1,200	1,200	1,200	1,200
Height (mm)	2,344	2,344	2,344	2,344	2,344
Length (mm)	1,400	1,400	1,400	1,400	1,400
Weight (kg)	690	690	690	690	690
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