

ELECTRIC STEAM GENERATORS · SERIES CDK-E-H-10

CDK-E-H-10

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



Fig.: CDK-E-H-10



Performance

Specification	CD9K-E-H-10	CD18K-E-H-10	CD22,5K-E-H-10	CD27K-E-H-10	CD36K-E-H-10	CD45K-E-H-10	CD54K-E-H-10	CD63K-E-H-10	CD72K-E-H-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	CD9K-E-H-10	CD18K-E-H-10	CD22,5K-E-H-10	CD27K-E-H-10	CD36K-E-H-10	CD45K-E-H-10	CD54K-E-H-10	CD63K-E-H-10	CD72K-E-H-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	CD9K-E-H-10	CD18K-E-H-10	CD22,5K-E-H-10	CD27K-E-H-10	CD36K-E-H-10	CD45K-E-H-10	CD54K-E-H-10	CD63K-E-H-10	CD72K-E-H-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"
Tank overflow / drain	AG G3/4"	AG G3/4"	AG G3/4"	AG G3/4"	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"	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"	IG G3/4"	IG G3/4"	IG G3/4"	IG G3/4"

Compressed air

Specification	CD9K-E-H-10	CD18K-E-H-10	CD22,5K-E-H-10	CD27K-E-H-10	CD36K-E-H-10	CD45K-E-H-10	CD54K-E-H-10	CD63K-E-H-10	CD72K-E-H-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	CD9K-E-H-10	CD18K-E-H-10	CD22,5K-E-H-10	CD27K-E-H-10	CD36K-E-H-10	CD45K-E-H-10	CD54K-E-H-10	CD63K-E-H-10	CD72K-E-H-10
Width (mm)	800	800	800	800	800	800	800	800	800
Height (mm)	1,850	1,850	1,850	1,850	1,850	1,850	1,850	1,850	1,850
Length (mm)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Weight (kg)	370	370	370	370	370	370	370	370	370
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