

ELECTRIC STEAM GENERATORS · SERIES CDK-E-H-5

CDK-E-H-5

Code CDK-E-H-5 · Line Compact · 9 Performance classes · max. 5 bar(g) · max. 96 kg steam/h

CDK-E-H — Electric steam generator from DINO, up to 5.0 bar(g) working pressure, 12.0–96.0 kg/h steam output and with a feedwater tank for condensate return. Electrically heated, Made in Germany.



Fig.: CDK-E-H-5



Performance

Specification	CD9K-E-H-5	CD18K-E-H-5	CD22,5K-E-H-5	CD27K-E-H-5	CD36K-E-H-5	CD45K-E-H-5	CD54K-E-H-5	CD63K-E-H-5	CD72K-E-H-5
Steam Output (kg/h)	12	24	30	36	48	60	72	84	96
Heat output (kcal/h)	7,901	15,803	19,753	23,704	31,605	39,506	47,408	55,309	63,210
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))	5.0	5.0	5.0	5.0	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	5.8	5.8	5.8	5.8
Max. Steam Temperature (°C)	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8

Electrical ratings

Specification	CD9K-E-H-5	CD18K-E-H-5	CD22,5K-E-H-5	CD27K-E-H-5	CD36K-E-H-5	CD45K-E-H-5	CD54K-E-H-5	CD63K-E-H-5	CD72K-E-H-5
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)	10	19	23.5	28	37	46	55	64	73
Control voltage (V DC)	24	24	24	24	24	24	24	24	24
Total rated current (A)	15	28	34	41	54	67	80	92	106
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-5	CD18K-E-H-5	CD22,5K-E-H-5	CD27K-E-H-5	CD36K-E-H-5	CD45K-E-H-5	CD54K-E-H-5	CD63K-E-H-5	CD72K-E-H-5
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-5	CD18K-E-H-5	CD22,5K-E-H-5	CD27K-E-H-5	CD36K-E-H-5	CD45K-E-H-5	CD54K-E-H-5	CD63K-E-H-5	CD72K-E-H-5
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-5	CD18K-E-H-5	CD22,5K-E-H-5	CD27K-E-H-5	CD36K-E-H-5	CD45K-E-H-5	CD54K-E-H-5	CD63K-E-H-5	CD72K-E-H-5
Width (mm)	800	800	800	800	800	800	800	800	800

Specification	CD9K-E-H-5	CD18K-E-H-5	CD22,5K-E-H-5	CD27K-E-H-5	CD36K-E-H-5	CD45K-E-H-5	CD54K-E-H-5	CD63K-E-H-5	CD72K-E-H-5
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