

ELECTRIC STEAM GENERATORS · SERIES CDS-DU-H-10

CDS-DU-H-10

Code CDS-DU-H-10 · Line Standard · 5 Performance classes · max. 10 bar(g) · max. 192 kg steam/h



Fig.: CDS-DU-H-10



Performance

| Specification                    | CD36S-DU-H-10 | CD45S-DU-H-10 | CD54S-DU-H-10 | CD63S-DU-H-10 | CD72S-DU-H-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               | CD36S-DU-H-10 | CD45S-DU-H-10 | CD54S-DU-H-10 | CD63S-DU-H-10 | CD72S-DU-H-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 (mm²) | 2x 4x25,0     | 2x 4x35,0     | 2x 4x35,0     | 2x 4x35,0     | 2x 4x50,0     |

## Mechanical Connections

| Specification           | CD36S-DU-H-10 | CD45S-DU-H-10 | CD54S-DU-H-10 | CD63S-DU-H-10 | CD72S-DU-H-10 |
|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Steam Line              | Flansch DN15  | Flansch DN15  | Flansch DN15  | Flansch DN20  | Flansch DN20  |
| Water Inlet             | AG R1"        | AG R1"        | AG R1"        | AG R1"        | AG R1"        |
| Blowdown valve          | IG 1"         | IG 1"         | IG 1"         | IG 1"         | IG 1"         |
| 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"       |

## Compressed air

| Specification                | CD36S-DU-H-10 | CD45S-DU-H-10 | CD54S-DU-H-10 | CD63S-DU-H-10 | CD72S-DU-H-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 | CD36S-DU-H-10 | CD45S-DU-H-10 | CD54S-DU-H-10 | CD63S-DU-H-10 | CD72S-DU-H-10 |
|---------------|---------------|---------------|---------------|---------------|---------------|
| Width (mm)    | 1,600         | 1,600         | 1,600         | 1,600         | 1,600         |

| Specification                | CD36S-DU-H-10 | CD45S-DU-H-10 | CD54S-DU-H-10 | CD63S-DU-H-10 | CD72S-DU-H-10 |
|------------------------------|---------------|---------------|---------------|---------------|---------------|
| Height (mm)                  | 1,850         | 1,850         | 1,850         | 1,850         | 1,850         |
| Length (mm)                  | 1,000         | 1,000         | 1,000         | 1,000         | 1,000         |
| Weight (kg)                  | 660           | 660           | 660           | 660           | 660           |
| 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