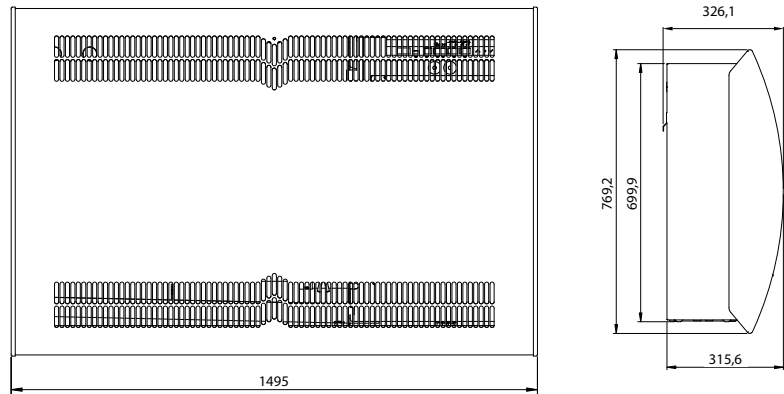
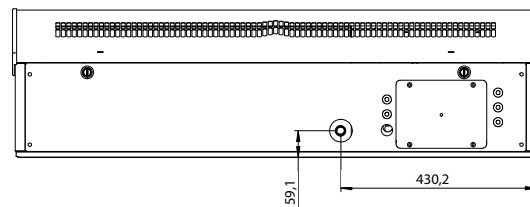


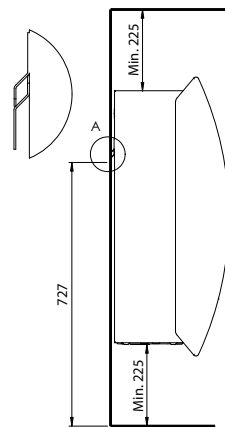
**DIMENSIONS CDF 70**



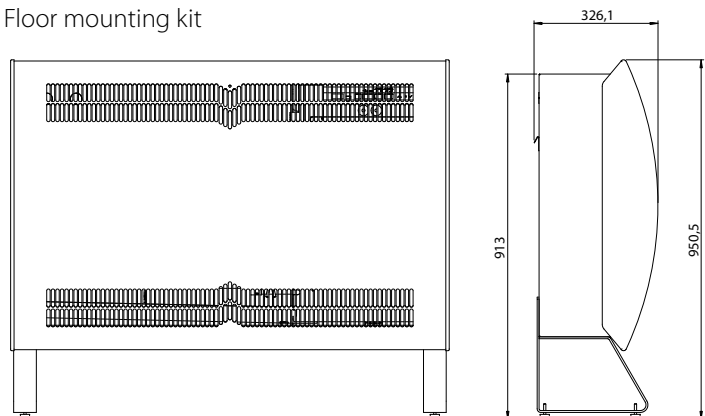
Drain outlet position



Recommended installation of CDF 70



Floor mounting kit



**Accessories**

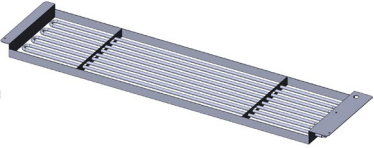

- Wireless remote control DRC1
- Floor mounting kit
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans

All dimensions are in mm.

**ACCESSORIES CDF 10 – CDF 40 – CDF 50 – CDF 70**

| Illustration  | Accessory  | Description  | CDF-type                   | Dantherm No. |
|---|--|--|----------------------------|--------------|
|    | Watertank  | White or grey  | CDF 10                     | 351615       |
|    | Remote control, DRC1                                     | <p>DRC1 is a wireless RH and temperature controller</p> <p>Frequency: 433 mhz</p> <p>Range up to 50 m depending on the conditions</p> <p>Protection class: IP 20</p> <p><b>Functionalities:</b></p> <ul style="list-style-type: none"> <li>• Reading and setting of RH and temperature, alarms and service information</li> <li>• Locking of settings</li> </ul> | CDF 40<br>CDF 50<br>CDF 70 | 093455       |
|  | Floor mounting kit, 2 pcs.- black                        | Each bracket to be mounted on each side of the dehumidifier  | CDF 40<br>CDF 50<br>CDF 70 | 094322       |
|  | Water heating coil 3,2 kW*)                              | <p>Comprises water heating coil, flexible hose, fittings and gasket</p> <p>*at 80/60° C</p> <p>(See technical specifications for water heating coils on separate page)</p>   | CDF 40                     | 094333       |
|   | Water heating coil 5,1 kW*)                              |  | CDF 50                     | 094334       |
|   | Water heating coil 7,4 kW*)                              |  | CDF 70                     | 094335       |
|  | DN 10 control valve and actuator for water heating coils | Comprises valve and actuator 230 V, ON/OFF (180 seconds from closed to fully open), incl. union nut for Ø 12 cu tube   | CDF 40<br>CDF 50<br>CDF 70 | 094340       |

**ACCESSORIES CDF 10 – CDF 40 – CDF 50 – CDF 70**

| Illustration   | Accessory                                 | Description   | CDF-type                   | Dantherm No. |
|--|---|---|----------------------------|--------------|
|   | Electric heating coil<br>2 kW             | Comprises electric heating coil, relays and electric wires  | CDF 40                     | 094336       |
|  | Electric heating coil<br>3,5 kW           |   | CDF 50                     | 094337       |
|  | Electric heating coil<br>5 kW             |   | CDF 70                     | 094338       |
|  | Exhaust fan,<br>Q = 97 m <sup>3</sup> /h  | The exhaust fan can be used in combination with the CDF to either increase dehumidification capacity or establish outdoor air supply. | CDF 40<br>CDF 50<br>CDF 70 | 094339       |
|  | Exhaust fan,<br>Q = 185 m <sup>3</sup> /h |   | CDF 40<br>CDF 50<br>CDF 70 | 094341       |

ACCESSORIES CDF 40 - CDF 50 - CDF 70

**Water heating coils - calculations at room temperature = 20°C; 50% RH**

| <b>CDF 40</b>       | <b>Q=400 m<sup>3</sup>/h</b> |       |       |       |       |       |       |
|---------------------|------------------------------|-------|-------|-------|-------|-------|-------|
| Water temperature   | °C                           | 82/71 | 80/60 | 70/35 | 90/70 | 60/40 | 55/45 |
| Capacity            | kW                           | 3,85  | 3,19  | 1,16  | 3,94  | 1,64  | 1,91  |
| Water flow rate     | l/sec.                       | 0,09  | 0,04  | 0,01  | 0,05  | 0,02  | 0,05  |
| Water pressure drop | kPa                          | 15,5  | 3,9   | 0,3   | 5,5   | 1,3   | 5,7   |
| Water velocity      | m/sec.                       | 1,22  | 0,56  | 0,11  | 0,69  | 0,28  | 0,66  |
| Air flow rate       | m <sup>3</sup> /sec.         | 0,11  | 0,11  | 0,11  | 0,11  | 0,11  | 0,11  |
| Inlet temperature   | °C                           | 82    | 80    | 70    | 90    | 60    | 55    |
| Outlet temperature  | °C                           | 71    | 60    | 35    | 70    | 40    | 45    |
| Air pressure drop   | Pa                           | 8     | 8     | 8     | 8     | 8     | 8     |
| Connection tube     | mm                           | 12    | 12    | 12    | 12    | 12    | 12    |

| <b>CDF 50</b>       | <b>Q=680 m<sup>3</sup>/h</b> |       |       |       |       |       |       |
|---------------------|------------------------------|-------|-------|-------|-------|-------|-------|
| Water temperature   | °C                           | 82/71 | 80/60 | 70/35 | 90/70 | 60/40 | 55/45 |
| Capacity            | kW                           | 6,11  | 5,12  | 2,42  | 6,29  | 2,75  | 3,08  |
| Water flow rate     | l/sec.                       | 0,14  | 0,06  | 0,02  | 0,08  | 0,03  | 0,08  |
| Water pressure drop | kPa                          | 42,2  | 10,6  | 1,1   | 14,9  | 3,8   | 15,6  |
| Water velocity      | m/sec.                       | 1,94  | 0,06  | 0,24  | 1,1   | 0,48  | 1,07  |
| Air flow rate       | m <sup>3</sup> /sec.         | 0,19  | 0,19  | 0,19  | 0,19  | 0,19  | 0,19  |
| Inlet temperature   | °C                           | 82    | 80    | 70    | 90    | 60    | 55    |
| Outlet temperature  | °C                           | 71    | 60    | 35    | 70    | 40    | 45    |
| Air pressure drop   | Pa                           | 10    | 10    | 10    | 10    | 10    | 10    |
| Connection tube     | mm                           | 12    | 12    | 12    | 12    | 12    | 12    |

| <b>CDF 70</b>       | <b>Q=900 m<sup>3</sup>/h</b> |       |       |       |       |       |       |
|---------------------|------------------------------|-------|-------|-------|-------|-------|-------|
| Water temperature   | °C                           | 82/71 | 80/60 | 70/35 | 90/70 | 60/40 | 55/45 |
| Capacity            | kW                           | 8,74  | 7,43  | 3,86  | 9,07  | 4,12  | 4,47  |
| Water flow rate     | l/sec.                       | 0,19  | 0,09  | 0,03  | 0,11  | 0,05  | 0,11  |
| Water pressure drop | kPa                          | 108,1 | 27,7  | 3,4   | 38,7  | 10,3  | 40,7  |
| Water velocity      | m/sec.                       | 2,78  | 1,3   | 0,38  | 1,59  | 0,71  | 1,55  |
| Air flow rate       | m <sup>3</sup> /sec.         | 0,25  | 0,25  | 0,25  | 0,25  | 0,25  | 0,25  |
| Inlet temperature   | °C                           | 82    | 80    | 70    | 90    | 60    | 55    |
| Outlet temperature  | °C                           | 71    | 60    | 35    | 70    | 40    | 45    |
| Air pressure drop   | Pa                           | 8     | 8     | 8     | 8     | 8     | 8     |
| Connection tube     | mm                           | 12    | 12    | 12    | 12    | 12    | 12    |