

Rectangular heating batteries type CWAR

Rectangular warm water batteries
Available in different sizes: from 400 x 200 mm to 1000 x 500 mm

Application

- The CWAR rectangular heating coils are designed for warming or heating the air in HVAC systems.
- The CWAR must be installed in a dry environment with temperatures ranging from 5 °C to 60 °C, and a relative humidity of up to 80%. The CWAR is designed for the transportation of air which is free of raw materials, lipids, chemical fumes and other impurities. The casing is made of galvanized steel.

Specifications

- The hot-water heat exchangers are designed for a maximum water temperature of 100 °C and a maximum working pressure of 1.6 MPa.
- The heaters are not equipped with a control system and require an external control system.

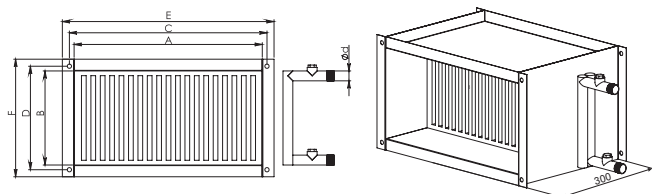
Selection program

[Click here for the selection program](#)

| Type | Technical data | | | | | | |
|-------------------|------------------------|------------------------|------------------------|------------------------|------|--------------|----------------|
| | P[kW] | | ΔT_a [°C] | | Q | ΔP_w | Q _w |
| | ΔT_w (80/60°C) | ΔT_w (60/40°C) | ΔT_w (80/60°C) | ΔT_w (60/40°C) | m³/h | kPa | l/s |
| CWAR 400 x 200-2 | 11,8 | 7,8 | 26,9 | 17,8 | 1300 | 9/4,5 | 0,14/0,09 |
| CWAR 500 x 250-2 | 19,5 | 12,6 | 29 | 18,64 | 2000 | 5,8/2,6 | 0,24/0,15 |
| CWAR 500 x 300-2 | 23,3 | 15,3 | 30,1 | 19,7 | 2300 | 8,5/4,2 | 0,28/0,18 |
| CWAR 600 x 300-2 | 26,7 | 17,5 | 29,4 | 19,2 | 2700 | 7,1/3,5 | 0,33/0,21 |
| CWAR 600 x 350-2 | 29,4 | 19,4 | 28,2 | 18,6 | 3100 | 9,5/4,7 | 0,36/0,24 |
| CWAR 700 x 400-2 | 41,5 | 27,4 | 26,8 | 17,7 | 4600 | 8,7/4,3 | 0,51/0,33 |
| CWAR 800 x 500-2 | 69 | 44,7 | 26,3 | 17 | 7800 | 9/4,2 | 0,84/0,54 |
| CWAR 1000 x 500-2 | 89 | 58,4 | 27,8 | 18,3 | 9500 | 13,4/6,6 | 1,09/0,71 |

Symbols & specifications

- ΔT_w = Water regime
- ΔT_a = Temperature difference air
- Q = Air flow
- P = Power of the battery
- Q_w = Water flow
- ΔP_w = Pressure loss of water



| Type | Dimensions | | | | | | | kg |
|-------------------|------------|--------|--------|--------|--------|--------|------|------|
| | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | Ø | |
| CWAR 400 x 200-2 | 400 | 200 | 420 | 220 | 440 | 240 | 3/4" | 7.1 |
| CWAR 500 x 250-2 | 500 | 250 | 520 | 270 | 540 | 290 | 3/4" | 7.5 |
| CWAR 500 x 300-2 | 500 | 300 | 520 | 320 | 540 | 340 | 3/4" | 9.7 |
| CWAR 600 x 300-2 | 600 | 300 | 620 | 320 | 640 | 340 | 3/4" | 10.8 |
| CWAR 600 x 350-2 | 600 | 350 | 620 | 370 | 640 | 390 | 3/4" | 9.4 |
| CWAR 700 x 400-2 | 700 | 400 | 720 | 420 | 740 | 440 | 1" | 13 |
| CWAR 800 x 500-2 | 800 | 500 | 820 | 520 | 840 | 540 | 1" | 16.8 |
| CWAR 1000 x 500-2 | 1000 | 500 | 1020 | 520 | 1040 | 540 | 1" | 19.3 |