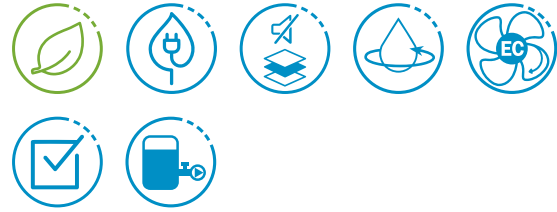


# Dry-cooler with built-in hydraulic group



Dry-coolers with built-in hydraulic group, in a low-noise construction, designed for heat dissipation of the refrigeration equipment condensation waterloop.

## FEATURES

|  |                        |
|--|------------------------|
| EC axial motor fans (except CWF-0 and 1).  | ■                      |
| High efficiency water coils with copper pipes and aluminium fins.  | ■                      |
| Hydraulic group with variable flow electronic pump, expansion tank, security valve, filter, thermomanometers and auto-fill valve included. | ■                      |
| Threaded hydraulic connections.  | ■                      |
| Electric power panel with protection of hydraulic pump, fan motor and frequency variator.  | ■                      |
| Water coil anti-corrosion polyurethane coating.  | □ + 8 %                |
| Coil protection grille.<br>0 up to 4 series:<br>6 up to 8 series:  | □ + 117 €<br>□ + 204 € |

■ As standard □ Optional

### Electronic control

Waterloop dry-coolers incorporate an electronic control with the next functions:

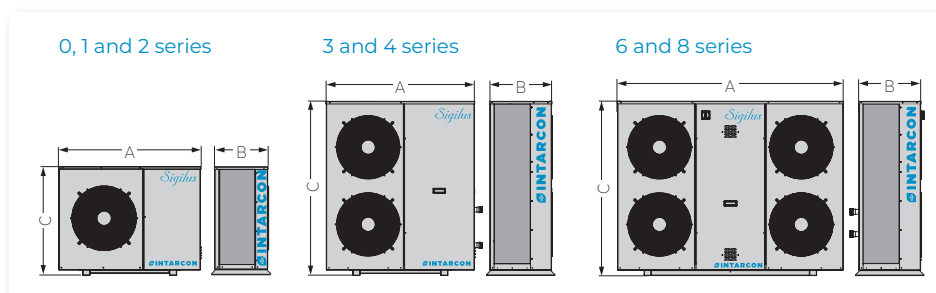
- Variation of the water pump flow adapting to the demand, depending on the impulsion pressure (except 0-1 series).
- Waterloop temperature control by fan speed variation, with floating set-point.
- Frost protection.

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230 50Hz | Positive temperature | Water

| Series / Model      | Flow control | Exchange capacity (W) <sup>(1)</sup> | Air flow (m³/h) | Fan (N x Ø mm) | Water flow (litre/hour) | Input power (kW) | Max. current (A) | Pressure drop (kPa) <sup>(2)</sup> | Hydraulic connection | Weight (kg) | SPL dB(A) <sup>(3)</sup> | Price (€)     |
|---------------------|--------------|--------------------------------------|-----------------|----------------|-------------------------|------------------|------------------|------------------------------------|----------------------|-------------|--------------------------|---------------|
| <b>WATER</b> CWF-0A | Constant     | 3 000                                | 1 700           | 1x Ø 360       | 500                     | 0.14             | 1.1              | 100                                | 3/4"                 | 76          | 30                       | <b>2 631</b>  |
| CWF-1A              | Constant     | 4 700                                | 3 200           | 1x Ø 450       | 750                     | 0.22             | 1.8              | 100                                | 3/4"                 | 79          | 26                       | <b>3 907</b>  |
| CWF-2A              | Variable     | 6 000                                | 3 700           | 1x Ø 450       | 1 000                   | 0.24             | 2.0              | 100                                | 1"                   | 81          | 26                       | <b>5 037</b>  |
| CWF-3A              | Variable     | 10 000                               | 6 500           | 2x Ø 450       | 1 500                   | 0.44             | 3.6              | 100                                | 1"                   | 101         | 29                       | <b>6 257</b>  |
| CWF-4A              | Variable     | 12 000                               | 7 000           | 2x Ø 450       | 2 000                   | 0.48             | 3.9              | 100                                | 1 1/4"               | 113         | 29                       | <b>6 705</b>  |
| CWF-6A              | Variable     | 20 000                               | 13 000          | 4x Ø 450       | 3 000                   | 0.88             | 7.0              | 100                                | 1 1/2"               | 160         | 32                       | <b>10 520</b> |
| CWF-8A              | Variable     | 24 000                               | 14 000          | 4x Ø 450       | 4 000                   | 0.96             | 7.5              | 100                                | 1 1/2"               | 185         | 32                       | <b>11 639</b> |

## DIMENSIONS



<sup>(1)</sup> Estimated heat exchange power with air temperature of 35 °C, and water inlet / outlet temperature of 45 / 40 °C.

<sup>(2)</sup> Available circuit pressure.

<sup>(3)</sup> Condenser sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

| Dimensions (mm) | A     | B   | C     |
|-----------------|-------|-----|-------|
| 0 and 1 series  | 1 030 | 380 | 577   |
| 2 series        | 1 080 | 410 | 827   |
| 3 series        | 1 150 | 481 | 1 097 |
| 4 series        | 1 150 | 481 | 1 347 |
| 6 series        | 1 748 | 481 | 1 097 |
| 8 series        | 1 748 | 481 | 1 347 |

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