

Waterloop

Dry-cooler with built-in hydraulic group



- ❄ Low sound level with double acoustic insulation.
- ❄ Tropicalised design for ambient temperature up to 45 °C as standard.

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

Features

- ▶ Axial EC motor fans (except CWF-0 and CWF-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.
- ▶ Closed membrane expansion tank.
- ▶ Threaded hydraulic connections.
- ▶ Electric power panel with protection of hydraulic pump, fan motor and frequency variator (except CWF-0 and CWF-1).

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.
- Waterloop temperature control by fan speed variation, with floating set-point.
- Frost protection.

230V 50Hz | Positive temperature | Water

Series / Model	Flow control	Exchange capacity (W) ⁽¹⁾	Air Flow (m ³ /h)	Fan (N x Ø mm)	Water flow (l/h)	Input power (kW)	Max. current (A)	Pressure drop (kPa) ⁽²⁾	Cooling connection	Weight (kg)	SPL dB(A) ⁽³⁾
CWF-0	Constant	3 000	1 700	1x Ø 360	500	0.14	1.1	100	3/4"	76	30
CWF-1	Constant	4 700	3 200	1x Ø 450	750	0.22	1.8	100	3/4"	79	26
CWF-2	Variable	6 000	3 700	1x Ø 450	1 000	0.24	2.0	100	1"	81	26
CWF-3	Variable	10 000	6 500	2x Ø 450	1 500	0.44	3.6	100	1"	101	29
CWF-4	Variable	12 000	7 000	2x Ø 450	2 000	0.48	3.9	100	1 1/4"	113	29
CWF-6	Variable	20 000	13 000	4x Ø 450	3 000	0.88	7.0	100	1 1/2"	160	32
CWF-8	Variable	24 000	14 000	4x Ø 450	4 000	0.96	7.5	100	1 1/2"	185	32

Options

- ▶ Water coil anti-corrosion polyurethane coating.
- ▶ Coil protection grille.

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

⁽²⁾ Available circuit pressure.

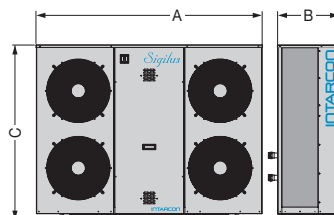
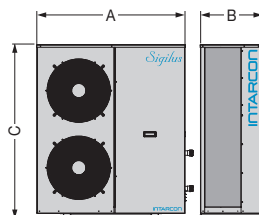
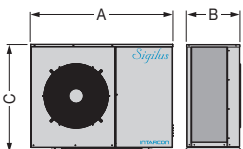
⁽³⁾ Sound pressure in dB (A) in open field at 10 m from the unit.

Dimensions

0,1 and 2 series

3 and 4 series

6 and 8 series



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