

Air Cooled Process Water Chiller

CS-BL series

❄️ 20/110 kW

Frame

Frame made of galvanized steel sheet for an effective resistance to corrosive agents. Fastening systems are made of non-oxidizable carbon-steel treated with surface-passivating procedure.

Compressor

Single or Tandem version Scroll compressors filled with R410A refrigerant. Standard supply includes pressure gauges.

Fan

Electric fan with external rotor motor directly keyed to the axial fan with internal, thermal protection. Fans speed control is supplied as standard.

Pump and Tank

The structure accommodates pump, expansion tank and storage tank. The stainless-steel, high-pressure pump is already configured for the use of mixtures with water and 35% ethylene glycol and is supplied with thermal protection. Standard supply includes flow switch and by-pass.

Condenser

Finned pack condenser with 8mm copper pipes and aluminium fins providing an improved and low noise operation of the fan.



Evaporator

Highly efficient, plate heat exchanger, reverse-flow version.

Control

The electronic panel allows the complete control of the unit, and it may easily be accessed via a polycarbonate panel (IP65 rated). The panel includes the logic for the parameter settings of the compressor, and it allows the full control of the other components as well as any alarms.

GET IN TOUCH TODAY

We have 30+ years experience controlling temperature for the world's most demanding industries.



☎ +44 (0) 1827 213 401

✉ sales@summitprocesscooling.co.uk

🌐 www.summitprocesscooling.co.uk

Air Cooled Process Water Chiller

CS-BL series

| Specification | | CS-BL 20 | CS-BL 25 | CS-BL 30 | CS-BL 40 | CS-BL 45 | CS-BL 50 | CS-BL 55 | CS-BL 75 | CS-BL 90 | CS-BL 110 |
|---------------------------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Cooling Capacity (1) | kW | 20,0 | 26,0 | 32,0 | 40,0 | 45,0 | 50,0 | 56,0 | 75,0 | 91,0 | 112,0 |
| Refrigerant | - | R410A | | | | | | | | | |
| GWP | - | 2088 | | | | | | | | | |
| Compressor (2) | Qt/Type | 1/S | 2/S |
| Circuits | Qt | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Absorption (1) | kW | 3,4 | 5,1 | 6,6 | 7,1 | 8,1 | 9,2 | 12,7 | 14,2 | 17,1 | 20,3 |
| EER | - | 5,9 | 5,3 | 5,0 | 6,8 | 6,1 | 6,2 | 5,0 | 5,6 | 5,3 | 5,7 |
| Fans | Qt/Type | 1/AC | 1/AC | 1/AC | 2/AC | 2/AC | 2/AC | 2/AC | 2/AC | 2/AC | 4/AC |
| Absorption | kW | 0.90 | 0.90 | 0.90 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.70 |
| Pump | Qt | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Flow Rate | m ³ /h | 3,45 | 4,50 | 5,50 | 6,80 | 7,70 | 8,60 | 9,60 | 12,90 | 15,70 | 19,30 |
| Pressure (3) | Bar | 2,7 | 2,7 | 2,7 | 2,8 | 2,8 | 2,9 | 2,8 | 2,8 | 2,8 | 2,8 |
| Hydraulic Connections IN/OUT | Ø | 1¼" | 1¼" | 1¼" | 1½" | 1½" | 1½" | 1½" | 2" | 2" | 2" |
| Tank Volume | lt | 70 | 70 | 70 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| Ambient Temperature Range min/max (5) | °C | -10/+43 | | | | | | | | | |
| User Temperature Range min/max | °C | -5/+20 | | | | | | | | | |
| Power Supply (4) | V/Ph/Fr | 400/3/50 | | | | | | | | | |
| Protection Rate | IP | 54 | | | | | | | | | |
| Sound Pressure Level (6) | dB(A) | 42 | 42 | 47 | 46 | 47 | 47 | 49 | 52 | 52 | 53 |
| Dimensions | L [mm] | 1.764 | 1.764 | 1.764 | 2.078 | 2.078 | 2.078 | 2.078 | 2.078 | 2.078 | 2.094 |
| | P [mm] | 952 | 952 | 952 | 944 | 944 | 944 | 944 | 944 | 944 | 1.174 |
| | H [mm] | 1.470 | 1.470 | 1.470 | 1.450 | 1.450 | 1.450 | 1.450 | 1.450 | 1.450 | 1.731 |
| Net Weight | kg | 298 | 299 | 331 | 418 | 420 | 422 | 425 | 481 | 484 | 476 |
| Marks | - | CE/PED | | | | | | | | | |
| Painting | RAL | 9002 | | | | | | | | | |

- +15°C Water/+25°C Ambient
- 1S: 1 Scroll Compressor - 2S: 2 Scroll Compressors
- Pumps up to 4,5 Bar available on request
- Different power supplies available on request
- Tropicalized versions as well as units operating with ambient temperature lower than -10°C may be quoted on request
- At 10 mt distance in free field

GET IN TOUCH TODAY

We have 30+ years experience controlling temperature for the world's most demanding industries.



+44 (0) 1827 213 401

sales@summitprocesscooling.co.uk

www.summitprocesscooling.co.uk

November 2023