

SAW50

Water-air heat exchangers

COOLING CAPACITY
5000-5650 W


STRUCTURE

in polyester powder-coated steel sheet.

AXIAL FAN

Aluminium axial fan, diameter 250 mm.

LIQUID CIRCUIT

Liquid circuit composed entirely of non-ferrous material in contact with the liquid to prevent contamination. Brass electric pump with 3 bar available head with thermal cut-out. Storage tank, complete with filling. Protective water flow switch.

COOLING COIL

Dual finned aluminium cooling coil with copper tubes.

MANAGEMENT AND CONTROL

Power supply cable: 1.5 m.

PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

LE - Electrical level indicator

FP - Polyurethane air filter

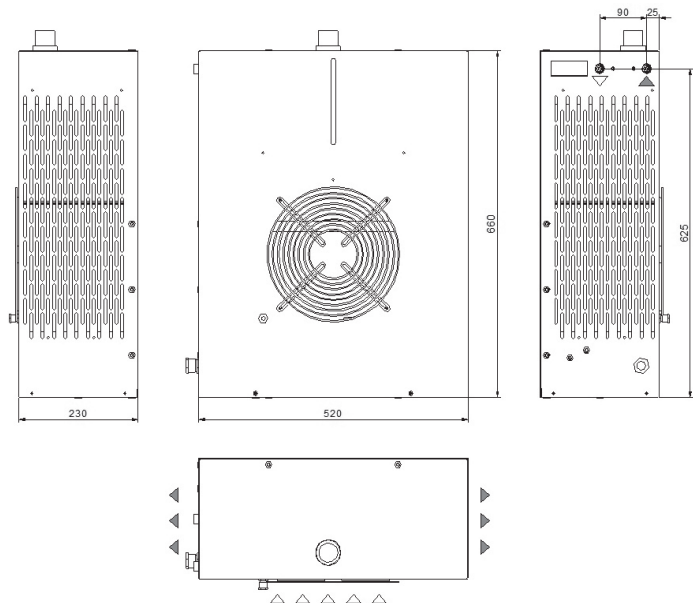
TR - Digital regulation thermostat, temperature display complete with NTC sensor

RU - Castors

AV - Vibration damper supports

Others on customer request

DIMENSIONS



| Model | | SAW50 | |
|------------------------------|---------|---------------------------|-------------|
| | | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 5000 | 5650 |
| Max. ambient operating temp. | °C | 50 | |
| Fluid type | | Water | |
| Power supply | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | |
| Axial Fan | | | |
| Fan type | | Axial | |
| Quantity | no. | 1 x d.250 mm | |
| Air flow rate | m³/h | 1500 - 1725 | |
| Standard Pump | | | |
| Pump type | | Peripheral | |
| Quantity | no. | 1 | |
| Nominal/max fluid flow rate | l/min | 10.0 - 16.0 | 13.5 - 18.0 |
| Nominal available head | bar | 2.8 | |
| Max. power draw | kW | 0.65 | 0.70 |
| Max. current draw | A | 3.4 | 4.6 |
| Storage tank capacity | | | |
| Storage tank capacity | l | 5 | |
| IN/OUT liquid connections | inch | 1/4" | |
| Net weight (approximate)*** | kg | 19 | |
| Width - Depth - Height | mm | 520 - 230 - 660 | |
| Sound pressure level** | dB(A) | 38 | |
| IP rating | IP | 34 | |

* Data relates to operation under the following conditions: outlet temp. 50°C water, ambient temperature 35°C.

** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746.

*** Weights with storage tank empty and all packaging removed.

The electrical data refer to $\cos \phi = 0.8$.

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|--|----|--------|--|------|------|------|------|------|------|------|------|--|
| T water- T ambient ΔT | Fw | °C | | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| | | factor | | 0.38 | 0.67 | 1.00 | 1.30 | 1.67 | 1.91 | 2.32 | 2.55 | |
| Percentage glycol by weight | Fg | % | | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| | | factor | | 1.00 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |