

SAW50

Water-air heat exchangers

COOLING CAPACITY

5000-5650 W



MANAGEMENT AND CONTROL

Power supply cable: 1.5 m.

PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN ACCESSORIES (ref. page 189)

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

STRUCTURE

In powder-coated steel sheet

AXIAL FAN

Aluminium axial fan, diameter 250 mm.

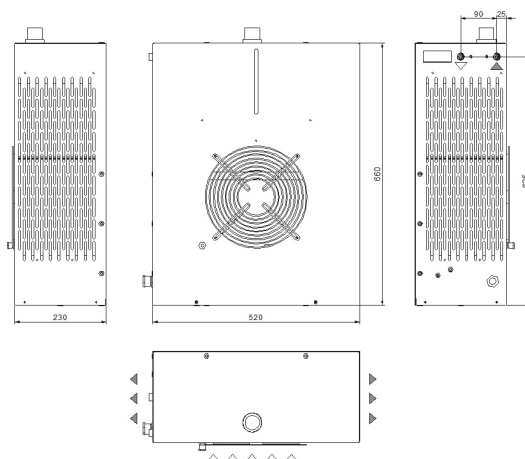
LIQUID CIRCUIT

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.

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	m ³ /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	mm	520	
Depth	mm	230	
Height	mm	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 φ = 0.8.

***** Permitted inlet/outlet temperature range -5 / +60°C.

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												