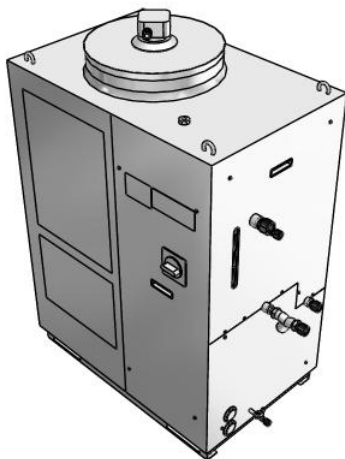




HRS100/150, Thermo-chiller, Standard Type, Air-cooled, 400 V HRS150-AF-40

Datasheet

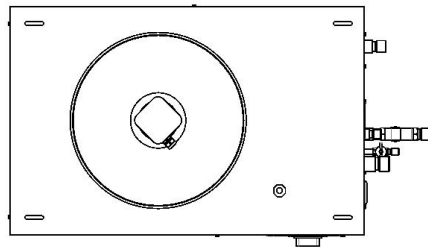
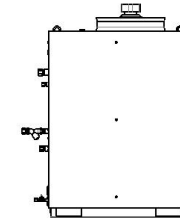
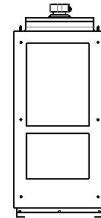
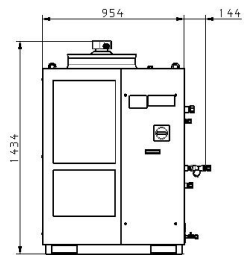
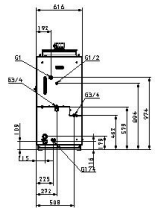
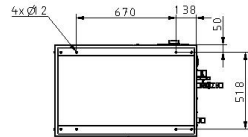
General series information

- Air-cooled refrigeration standard type Thermo-chiller.
- Maximum cooling/heating capacity: 10.0/1.7 kW (HRS100), 15.0/2.5 kW (HRS150).
- Temperature stability: ± 1.0 °C.
- Temperature range: 5 to 35 °C.
- Outdoor installation: IPX4.
- Applicable fluid: clear water, Ethylene glycol aqueous solution, deionised water.

Standard specifications

Cooling Capacity	150 [Cooling capacity: 13.0/14.5 kW (50/60 Hz)]
Thread	F (G w/PT-G Conversion Fitting Set)
Option	None
Maximum ambient temperature	45 °C
Minimum ambient temperature	-5 °C
Approvals	CE
Power supply	3-phase 380 to 415 V AC (50 / 60 Hz)
Cooling method	Air-cooled refrigeration
Refrigerant	R410A (HFC)
Control method	PID control
Circulating fluid	Tap water, 15% ethylene glycol aqueous solution, Deionised water
Set temperature range	5 to 35 °C
Cooling capacity (50 Hz)	13 kW
Heating capacity (50 Hz)	2.5 kW
Temperature stability	± 1.0
Tank capacity	18 L

Contact material for circulating fluid	Stainless steel, Copper (Heat exchanger brazing), Brass, Bronze, PTFE, PU, EPDM, PVC, NBR, PE, NR, PBT, PP, POM, Carbon, Ceramic
Rated operating current (50 Hz)	8.1 A
Rated power consumption (50 Hz)	4.8 kW
Pump rated flow (50 Hz)	42 l/min
Pump maximum flow rate (50 Hz)	55 l/min
Maximum pump head (50 Hz)	50 m
Minimum operating flow rate (50 Hz)	28 l/min
Circulating fluid port size	NPT 3/4
Noise level	72 dB
Pump drain port	NPT 1/4
Automatic fluid fill system supply side pressure range	0.2 to 0.5 MPa
Automatic fluid fill system supply side fluid temperature	5 to 35 °C
Automatic fluid fill port	NPT 1/2
Automatic fluid fill system overflow port	NPT 1
Waterproof specification	IPX4
Weight	177.000 Kg



Additional information

Catalogue	HRS100-150_EU.pdf
Declaration of conformity	newDoC_HRS_TF1Y298EN-D.pdf
Installation manuals	IM_HRS1xx_SMU13EN-A.pdf
Operation manuals	OM_HRS100-150_HRX-OM_S004EN-N.pdf OM-Communication_HRS100-150-200_EN-C.pdf