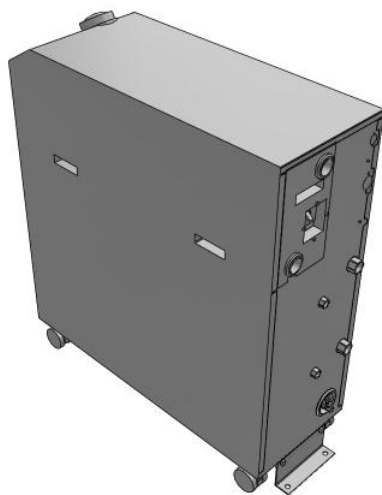




HRS090, Large Capacity Compact Chiller, 400 V HRS090-WF-40

Datasheet

General series information

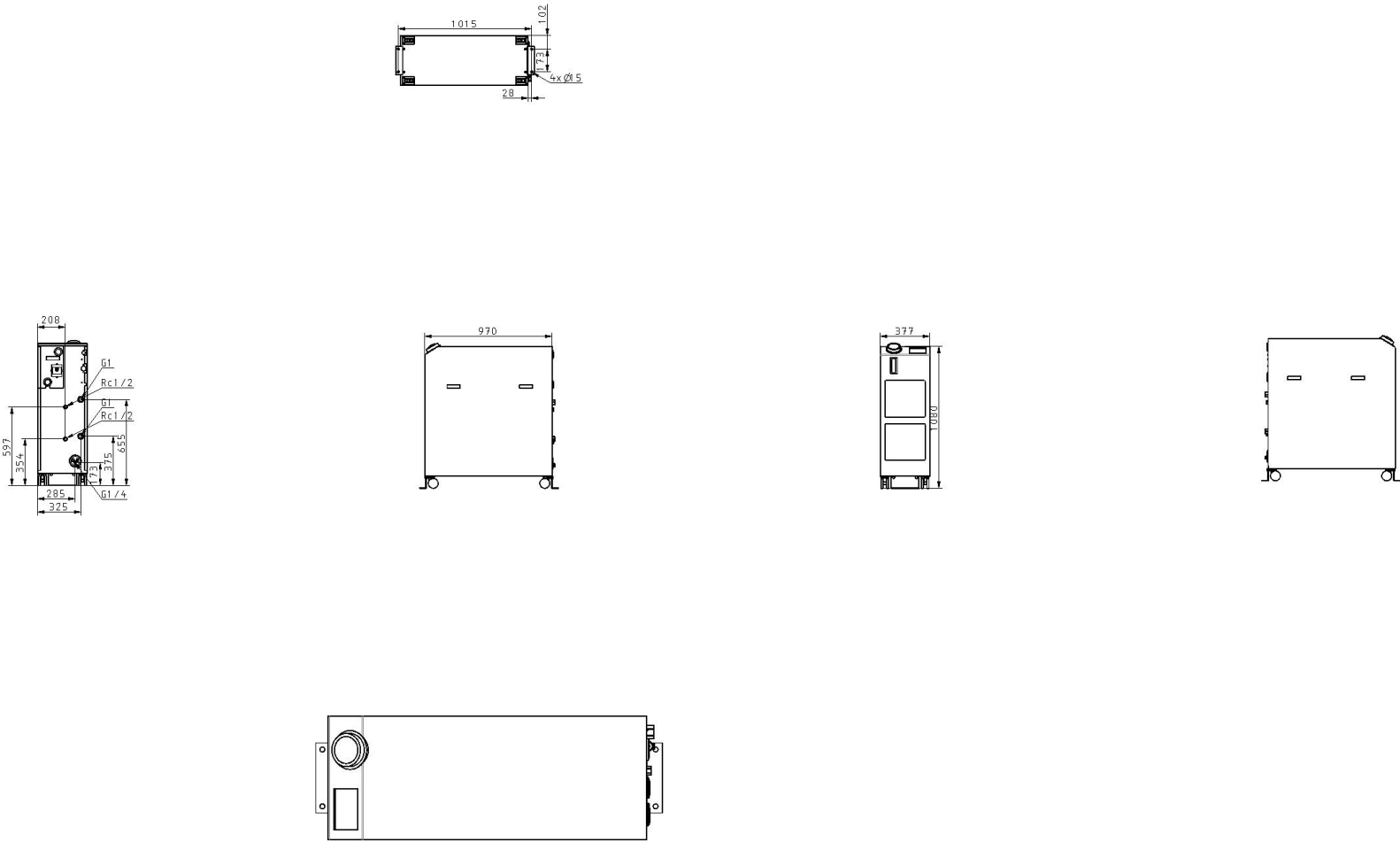
- Circulating Fluid Temperature Controller. Water or air-cooled.
- Cooling capacity: 9 kW.
- Temperature stability: ± 0.5 °C.
- Temperature range: 5-35 °C.
- With heating function and self-diagnosis.
- Serial communication.
- Compact (970 x 377 x 1090 mm) and lightweight (136 kg).

Standard specifications

Cooling Method	W (Water-cooled Refrigeration)
Pipe Thread	F [G (w/Rc-G Conversion Fitting)]
Power Supply	40 [3-phase 380 to 415 VAC (50/60 Hz)]
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	Water-cooled refrigeration
Refrigerant	R410A (HFC)
Control method	PID control
Circulating fluid	Tap water, 15% ethylene glycol aqueous solution
Set temperature range	5 to 35 °C
Cooling capacity (50 Hz)	9.0 kW
Heating capacity (50 Hz)	1.7 kW
Temperature stability	± 0.5

Tank capacity	18 L
Contact material for circulating fluid	Stainless steel, Copper (Heat exchanger brazing), Brass, Bronze, PTFE, FKM, EPDM, PVC, NBR, POM, PE, PP, Carbon, Ceramic
Facility water temperature range	5 to 40 °C
Facility water pressure range	0.3 to 0.5 MPa
Facility water required flow range (50 Hz)	25 l/min
Facility water port size	G 1/2
Contact material for facility water	Stainless steel, Copper (Heat exchanger brazing), Bronze, Brass, PTFE, NBR, EPDM
Noise level (50 Hz)	65 dB
Rated operating current (50 Hz)	6.4 A
Rated power consumption (50 Hz)	3.4 kW
Pump rated flow (50 Hz)	29 l/min
Pump maximum flow rate (50 Hz)	55 l/min
Maximum pump head (50 Hz)	50 m
Minimum operating flow rate (50 Hz)	29 l/min
Circulating fluid port size	G 1
Tank drain port	G 1/4
Weight	124.000 Kg

Dimensions



Additional information

Catalogue	HRS090-A_EU.pdf
Declaration of conformity	newDoC_HRS_TF1Y298EN-D.pdf
Installation manuals	IM_HRS090_SMV41EN-A.pdf
Operation manuals	OM-Communication_HRS090_EN-B.pdf OM_HRS090_EN-P.pdf