HRS, Thermo-chiller, Compact Type
HRS050-AF-20

Datasheet

General series information

- Compact and lightweight.
- Temperature stability ± 0.1 ºC.
- Improved maintenance performance.
- Heating function available even with no heater.

Standard specifications

Automatic fluid fill	None
High-pressure pump	None
DI Water piping	None
Cooling Method	A (Air-cooled Refrigeration)
High ambient temperature	None
Earth Leakage Breaker	None
Cooling Capacity	050 [Cooling capacity: 4700/5100 W (50/60 Hz)]
Units	None
Thread	F (G w/PT-G Conversion Fitting Set)
Power Supply	20 [Single-phase 200 to 230 VAC (50/60 Hz)]
Maximum ambient temperature	40 °C
Minimum ambient temperature	5 °C
Approvals	CE
Power supply	Single-phase 200 to 230 VAC (50/60 Hz)
Cooling method	Air-cooled refrigeration
Refrigerant	R410A (HFC)
Control method	PID control
Circulating fluid	Tap water, 15% ethylene glycol aqueous solution
Set temperature range	5 to 40 °C

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

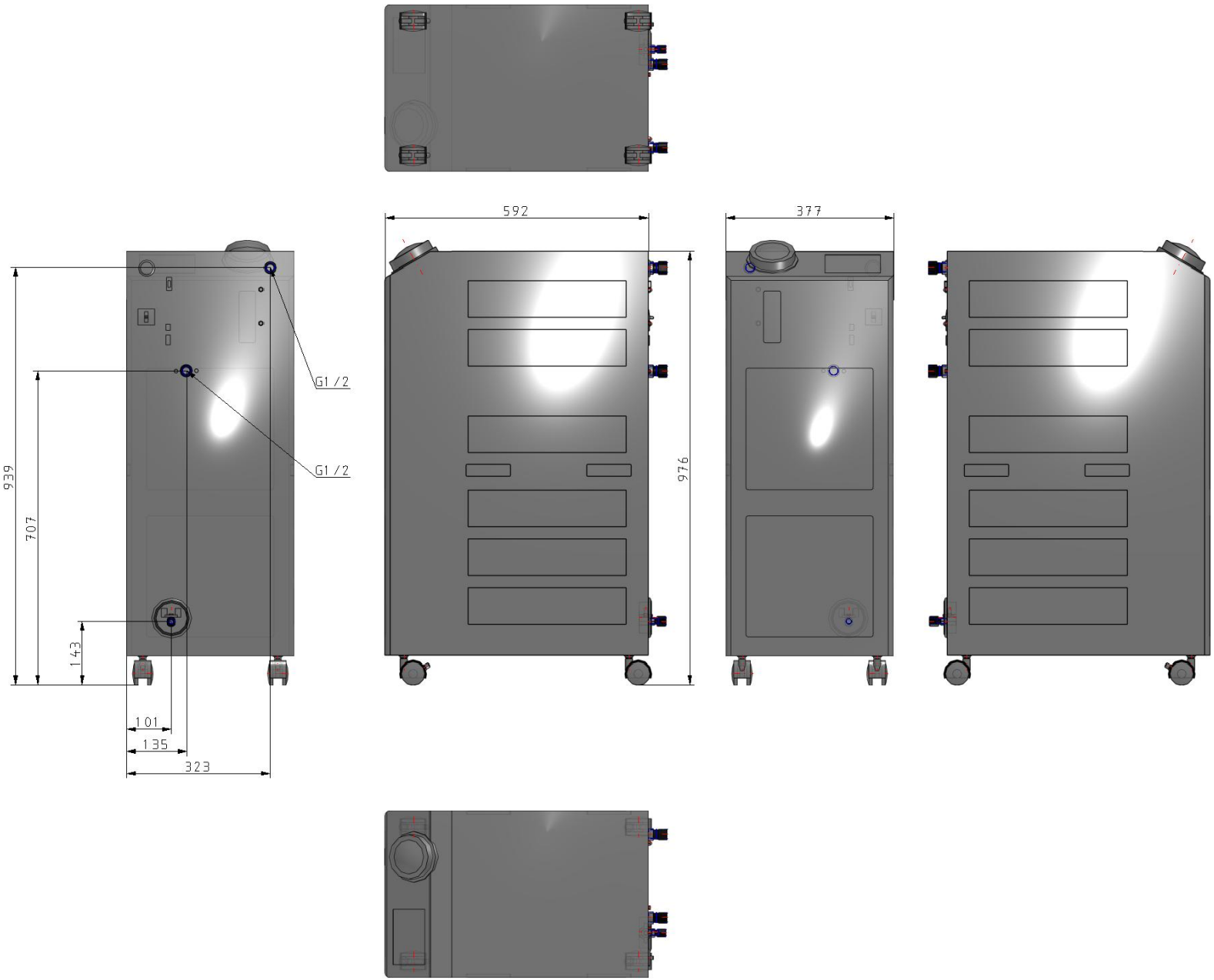
SMC United Kingdom +34 945184126 sales@smc.uk

Cooling capacity (50 Hz)	4700
Heating capacity (50 Hz)	1100
Temperature stability	± 0,1
Tank capacity	5 L
Contact material for circulating fluid	Stainless steel, Copper (Heat exchanger brazing), Bronze, Alumina ceramic, Carbon, PP, PE, POM, FKM, EPDM, PVC
Rated operating current (50 Hz)	8 A
Rated power consumption (50 Hz)	1.7 kVA
Pump rated flow (50 Hz)	23 l/min (0.24 MPa)
Pump maximum flow rate (50 Hz)	31 l/min
Maximum pump head (50 Hz)	50 m
Circulating fluid port size	1/2
Noise level	65 dB
Weight	69.000 Kg

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

SMC United Kingdom +34 945184126 sales@smc.uk

Dimensions



Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

SMC United Kingdom +34 945184126 sales@smc.uk

Additional information

Catalogue	HRS-G_EU.pdf
Declaration of conformity	newDoC_HRS_TF125-047EN.pdf newDoC_HRS_TF-T018EN.pdf DoC_HRS_TF-S043.pdf newDoC_HRS_TF1V336EN.pdf DoC_HRSx_TF-O027.pdf newDoC_HRS_TF1Y298EN-D.pdf
Installation manuals	IM_HRS040_SMX145EN-A.pdf IMM_HRS050-060_TFR03EN-A.pdf IMM_HRS_TFR02EN-A.pdf
Operation manuals	OM_DI-filter-set_HRS012-018-024_EN.pdf OM_HRS040_EN-F.pdf OM_Bypass-piping-set_HRS012-018-024_EN.pdf OM_HRS060_EN-N.pdf OM_HRS12-018-024_OM-M090EN-H.pdf OM_HRS030_EN-O.pdf OM_HRS050_EN-V.pdf OM-Communication_HRS012-018-024-030-040-050-060_EN-P.pdf QuickManual_HRS_M085EN-F.pdf

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

SMC United Kingdom +34 945184126 sales@smc.uk