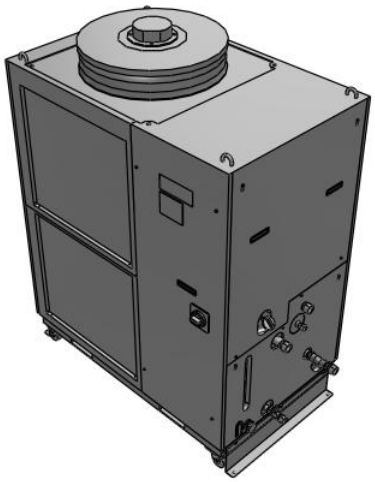

Thermo-chiller standard type – HRS400

HRS400-AF-46-AK

Datasheet

General series information

- Cooling capacity: 38 kW
- Heating capacity: 8 kW
- Temperature stability ±0.1 °C
- Waterproof specification - IPX4
- Set temperature range: 5 to 35 °C
- Max. ambient temperature: 45 °C
- Applicable to deionised water piping, non-copper materials used.

Standard specifications

Cooling Method	A (Air-cooled Refrigeration)
Pipe Thread	F [G (w/Rc-G Conversion Fitting Set)]
Power Supply	46 [3-phase 380 to 415 VAC (50/60 Hz); 3-phase 460 to 480 VAC (60 Hz)]
Option 1	A (w/Caster Adjuster-foot)
Option 2	None
Option 3	K (w/Fluid Fill Port)
Option 4	None
Maximum ambient temperature	45 ºC
Minimum ambient temperature	-5 ºC
General power supply	3-phase 380 to 415 V AC (50 / 60 Hz)
Conform to the European RoHS Directive	Conform
Approvals	CE
Cooling method	Air-cooled refrigeration
Refrigerant	R410A (HFC)
Refrigerant charge	3.7 kg

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

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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)	38 kW (50 Hz)
Heating capacity (50 Hz)	8 kW (50 Hz)
Temperature stability	± 0.1
Tank capacity	60 L
Contact material for circulating fluid	Stainless steel, Copper (Heat exchanger brazing), Brass, Bronze, PTFE, PU, FKM, EPDM, PVC, NBR, POM, PE, NR, PBT
Noise level (50 Hz)	71 dB
Rated power consumption (50 Hz)	14.3 kW (15.2 kVA)
Pump rated flow (50 Hz)	125 l/min (0.45 MPa)
Maximum pump head (50 Hz)	68 m
Minimum operating flow rate (50 Hz)	40 l/min
Circulating fluid port size	G 1
Pump maximum flow rate	180 l/min
Rated operating current	22 A
Pump drain port	G 3/4
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	G 1/2
Automatic fluid fill system overflow port	G 1
Waterproof specification	IPX4
Applicable earth leakage breaker rated current	40 A
Applicable earth leakage breaker sensitivity of leak current	30 mA
Weight	355.000 Kg

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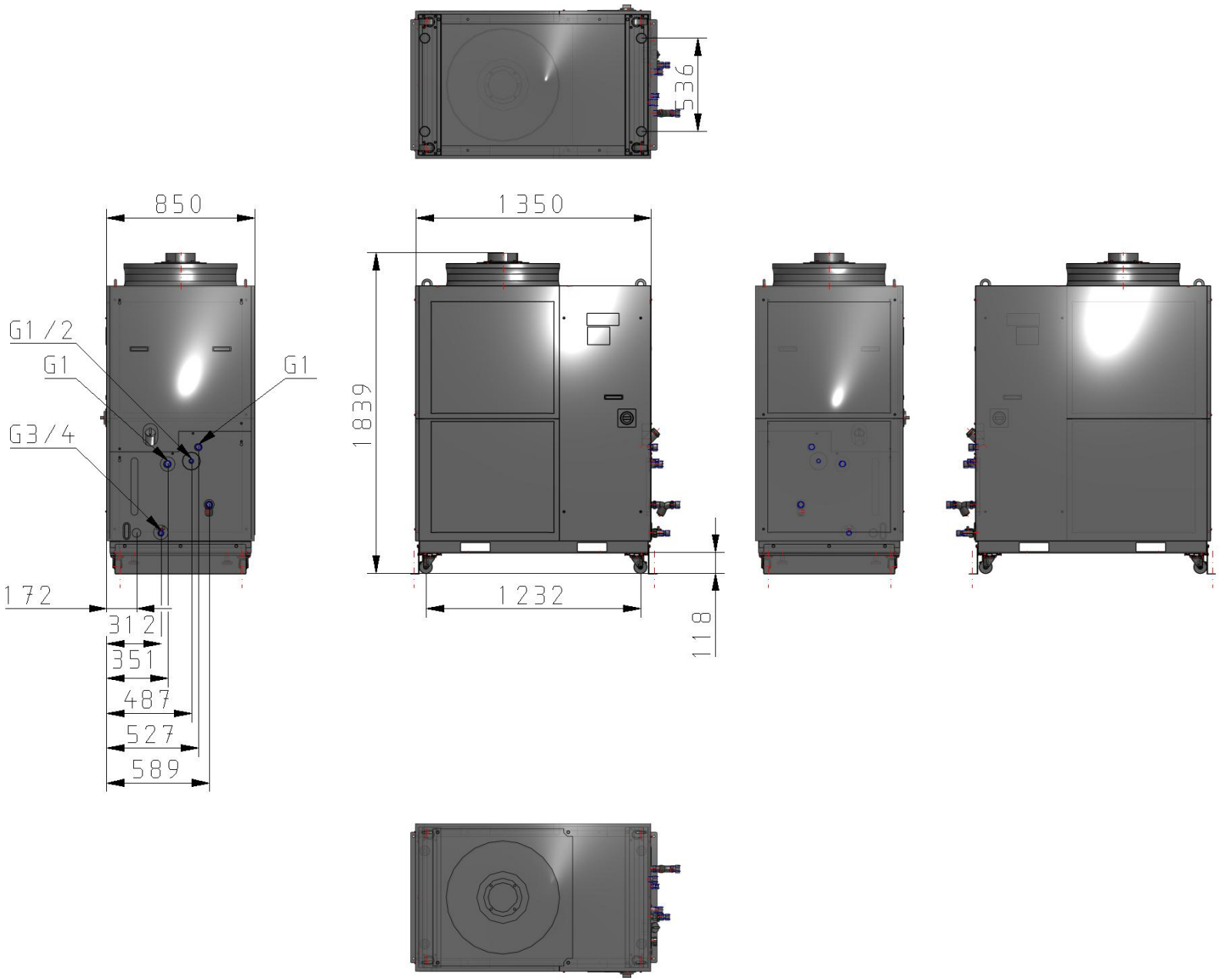
Dimensions



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Additional information

Catalogue	HRS400_EU.pdf
Declaration of conformity	newDoC_HRS_TF125-047EN.pdf newDoC_HRS_TF1Y298EN-D.pdf
Installation manuals	IM_HRS400_TF222-053EN-A.pdf
Operation manuals	OM_HRS400-A_1001322EN-2.pdf

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