



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

### Datasheet

- Compact and lightweight.
- Temperature stability  $\pm 0.1$  °C.
- Improved maintenance performance.
- Heating function available even with no heater.

### Standard specifications

Cooling Capacity	050 [Cooling capacity: 4700/5100 W (50/60 Hz)]
Cooling Method	A (Air-cooled Refrigeration)
Thread	F (G w/PT-G Conversion Fitting Set)
Power Supply	20 [Single-phase 200 to 230 VAC (50/60 Hz)]
Earth Leakage Breaker	None
High ambient temperature	None
Automatic fluid fill	None
DI Water Piping	M [Applicable to DI Water (Deionized Water) Piping]
High-pressure pump	None
Units	None
Maximum ambient temperature	40 °C
Minimum ambient temperature	5 °C
Conform to the European RoHS Directive	Conform
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	Deionised water
Set temperature range	5 to 40 °C

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



## Additional information

Catalogue	<a href="#">HRS-G_EU.pdf</a>
Declaration of conformity	<a href="#">DoC_HRS_TF-R016.pdf</a> <a href="#">newDoC_HRS_TF-T018EN.pdf</a> <a href="#">DoC_HRS_TF-S043.pdf</a> <a href="#">newDoC_HRS_TF1V336EN.pdf</a>
Installation manuals	<a href="#">IMM_HRS_TFR02EN.pdf</a> <a href="#">IMM_HRS050-060_TFR03EN.pdf</a> <a href="#">IM_HRS040_SMX145EN.pdf</a>
Operation manuals	<a href="#">OM_HRS050_EN-U.pdf</a> <a href="#">OM_HRS030_EN-M.pdf</a> <a href="#">OM_DI-filter-set_HRS012-018-024_EN.pdf</a> <a href="#">OM_HRS040_EN-D.pdf</a> <a href="#">OM_Bypass-piping-set_HRS012-018-024_EN.pdf</a> <a href="#">OM-Communication_HRS012-018-024-030-040-050-060_EN-N.pdf</a> <a href="#">OM_HRS012-018-024_EN-D.pdf</a> <a href="#">QuickManual_HRS_M085EN-E.pdf</a> <a href="#">OM_HRS060_EN-M.pdf</a>