

Technical Standard Specification

Series: Chill Plus Testing
CHT130-x-05-W-xC/TK

Medium: Water/Glycol up to 130°C
Ratio: up to 60%/40%

Refrigerant: R 449 A (GWP=1397)
Refrigerant charge: 8,5 kg / 11,0 kg
Temperature range: -40°C up to +130°C
Optionally: -45°C up to +130°C

max. system pressure: no system pressure up to 90°C
2,7 bar plus pump pressure at 130°C

Functional equipment hydraulic

- 1 or 2 independently controllable external circuits
- flow measurement by means of magnetic inductive flowmeter
- automatic temperature-dependent system closure
- Medium-carrying lines made of stainless steel/non-ferrous metal
- flow monitoring of the internal circuit
- insulation of all medium-carrying pipes
- Robust flange connections
- Non-ferrous metal free (optional)
- Sound insulation of the housing (optional)
- Test specimen draining by means of compressed air (optional)
- flow control by means of 3-way valve (optional)



Functional equipment electric

- Controller EATON PLC with plain text display
- Control box IP54, externally ventilated
- Heating control via solid-state relay
- Heating capacity: See order confirmation
optional without, 6kW or 12kW

Functional equipment refrigeration

- Cooling design according to DIN EN 378
- semi-hermetic compressor
- electronic injection valve
- Dirt trap in cooling water supply

Cooling

Cooling capacity (gross):	Refrigerant:	Condenser:
5 kW	R 449 A (GWP=1397)	water cooled
		required amount of water: xx l/min

Capacity specified at -30°C flow temperature and max. 25°C cooling water inlet temperature with 2.5bar pressure difference. Net power depends on the design.

Pump

	1 - 20 l/min	10 - 40 l/min	20 - 60 l/min
Type:	CRI5-6	CRI10-5	
Outlet rate (max.)	140 l/min	110 l/min	
Pressure (max.)	3,8 bar	4,2 bar	
Motor capacity	1,1 kW	3,0 kW	

max. data at +20°C with water

Dimensions / Weights / Colors

Dimensions L/W/H:	1-circuit: 2020mm x 800mm x 1905mm
(without connections)	2-circuit: 2020mm x 1300mm x 1905mm
Weight:	1-circuit: 930 kg (depend. On features)
	2-circuit: 1100 kg (depend. On features)
Colour:	Case: RAL 7035 light grey
	Front door: RAL 7035 light grey

Connections:

Circulation medium:	IT 3/4"
Cooling water:	IT 1"
Compressed air:	Hose nozzle 10mm
Power supply:	380-415V/50Hz (3L/PE)
(optional)	380-415V/50Hz (3L/N/PE)

- Subject to technical changes; latest update: November 29th, 2022; changed by B. Nebel -

This unit complies with the European Directives. Other directives and standards are met only if they listed in the order confirmation. This technical specification represents the standard equipment. For non-standard specifications upon customer's request see quotations or O/Cs. In case of contradictory information the quotation or O/C applies.