



SPECIFICATION SHEET

Hydraulic chiller unit (HC)

HYDRAULIC DRIVEN CHILLER UNITS

MAR-IX hydraulic chiller units are designed for ships equipped without a generator; cooling is generated by a hydraulic system.

The compressor and seawater pump are driven by hydraulic engines in the often already existing hydraulic system on board these ships. This makes the generator redundant.

In addition, the hydraulic chiller unit is designed to function under the most severe shocks and under a large tilt angle.

All units are equipped with a seawater-cooled condenser made of copper/nickel.

The HC series chiller units can be connected to all MAR-IX 24Vdc fan coil units and controlled by our electronics with or without communication.

.

TECHNICAL FEATURES

- Equipped with hydraulically driven compressor and seawater pump
- Environmental friendly refrigerant
- Mainly manufactured from stainless steel
- Seawater resistant condenser
- Seawater resistant water pump
- Equipped with vibration absorbers
- Pressure and temperature protection
- Compact unit
- Resistant to rough seas and angles up to 60°

STANDARD SUPPLY

- The chiller unit
- User manual
- Hydraulically driven seawater pump
- Spare parts list
- Declaration of Conformity
- Test certificate

OPTIONAL

- Sea water kit
- Circulation pump
- Spare parts kit

GENERAL DATA

	Power supply DC	Cool capacity	Refrigerant	Oil supply	Power (W)	Req. Chilled water flow @ 6-12°C	Min. req. sea water flow	Max. Sea water temp.	Weight
HC10	12-24V	10Kw -34.100 Btu	R134A	10-15L/min. (at 150bar)	1 - 5 Kw	1,4 m3/hr	1,1 m3/hr	40 °C	75 kg

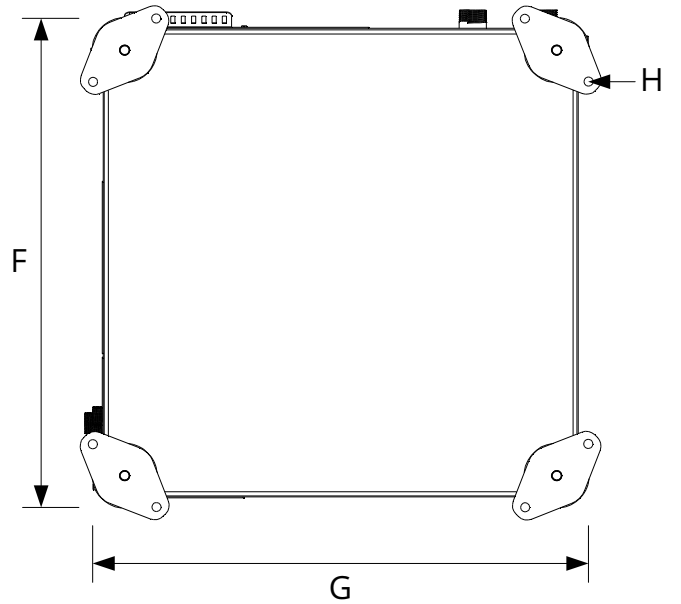
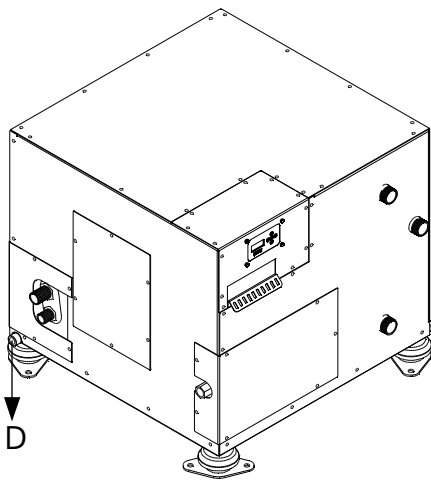
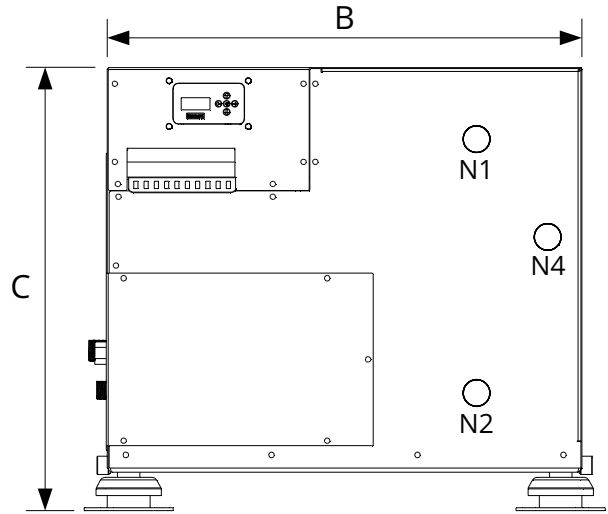
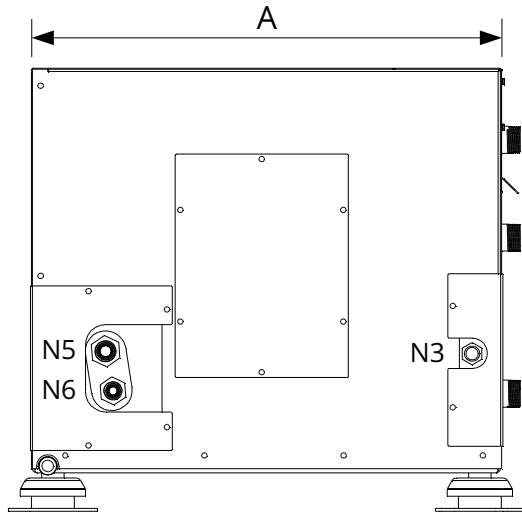
DIMENSIONS

	A (mm)	B (mm)	C (mm)	F (mm)	G (mm)	H (mm)	N1 Chilled fluid in	N2 Chilled fluid out	N3 Sea water in	N4 Sea water out	N5 Hydraulic fluid in	N6 Hydraulic fluid out
HC10	464	467	436	481	486	Ø 9	¾" BSP OT	¾" BSP OT	½" BSP IT	¾" BSP OT	½" BSP IT	¾" BSP OT

Note:

Dimensional sketch HC10 on page 5

DIMENSIONAL SKETCH - HC10





PRODUCT FROM MAVÉ



NAUTIC & INDUSTRIAL ENGINEERING

Loofklapper 14 - 8256 SL Biddinghuizen - The Netherlands

Tel.: +31(0)321-337467

Web: www.mave.nl - Email: info@mave.nl
