



Packaged indoor Module Marine Water Chillers, specifically developed for cooling of water-flows used for HVAC and refrigeration purposes. The units can be combined in a modular manner meaning that units can be replaced, added or removed easily leading to an increase in system flexibility and maintenance efficiency. The refrigerant used is CO<sub>2</sub>, Carbon Dioxide, a refrigerant with no ODP or GWP impact. The CO<sub>2</sub> refrigerant is neither flammable or toxic and not subject to the F-Gas regulation. A future safe refrigerant!

## DESIGN

The entire refrigeration process takes place within the chiller unit while the cooling distribution is done by a chilled waterflow from the unit to the cooling demand. The excess heat is taken care of in a similar manner through a heated waterflow leading to an external air cooled dry cooler or a water cooled heat exchanger.

The CO<sub>2</sub> compressors can operate in either subcritical or transcritical condition.

## UNITS

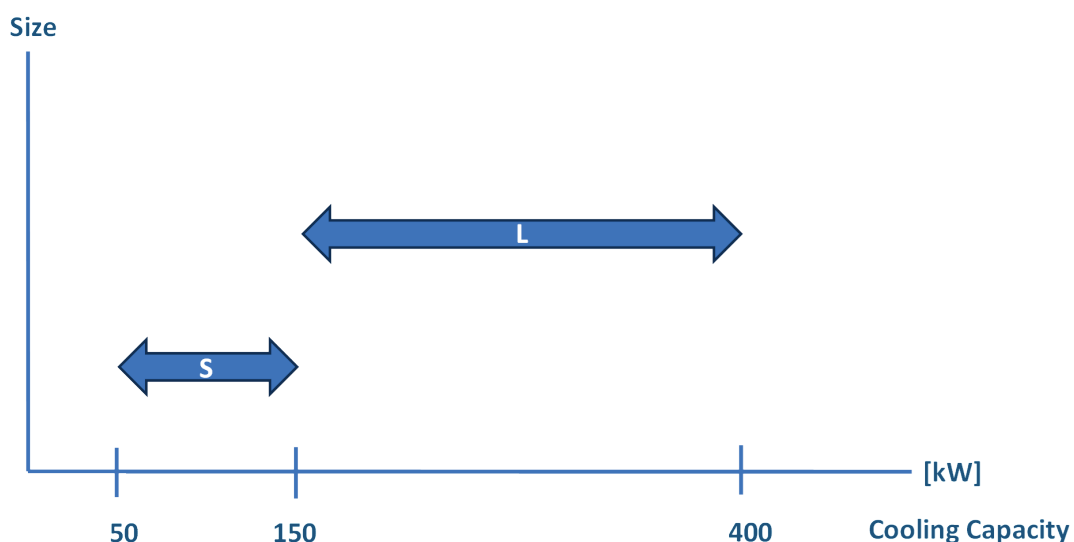
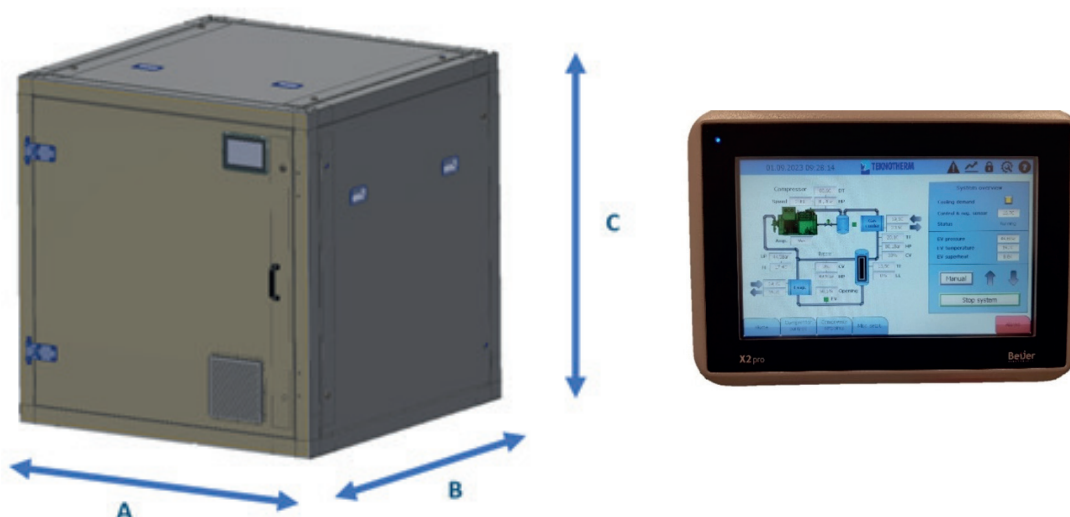
- The units are equipped with a control panel, semi hermetic variable speed driven compressors and internal plate heat exchangers
- Casing can be made from painted Zink plated steel or stainless steel AISI 316L material
- Two cabinet sizes S/L are available. See next page for more information
- The units are delivered ready for commissioning
- The units are provided with its own control system based on Schneider PLC with Modbus communication possibilities
- The units can be combined by stacking them next to each other

## MAINTENANCE

- Maintenance is easily done through a front door that allows access to all internal components. All surrounding panels are removable as well.
- The units are easy to replace, thus maintenance can be performed elsewhere.

| Size                     | S                         | L                         |
|--------------------------|---------------------------|---------------------------|
| Cooling capacity         | 50 - 150 kW               | 150 - 400 kW              |
| Std. chilled water temp. | Outlet +6°C / Inlet +12°C | Outlet +6°C / Inlet +12°C |
| Dry weight               | 950 kg                    | 1450 kg                   |
| Operating weight         | 980 kg                    | 1510 kg                   |
| A (width)                | 1300 mm                   | 2000 mm                   |
| B (depth)                | 1300 mm                   | 1500 mm                   |
| C (height)               | 1300 mm                   | 1300 mm                   |

The units can be delivered for voltage 3x400V-50Hz or 3x690-50Hz.



Our Indoor CO2 Module chillers are tailor-made to meet **customers demand**.