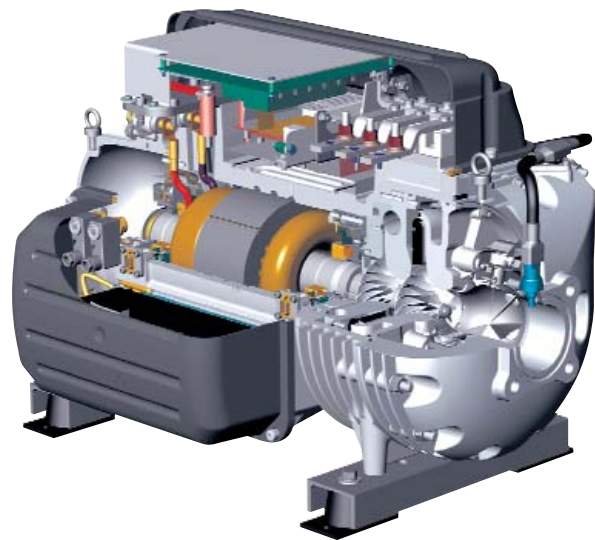


TW110 Water cooled modular chiller with centrifugal compressor with R134a

R134a



HERCULES



Features

- Cooling only version
- New generation two-stage oil-free centrifugal compressor with magnetic friction free bearings
- Plate heat exchangers designed for use with refrigerant R134a
- Extremely compact only 805 mm wide to allow access through standard doorway
- Component layout designed to enable several units to be positioned side by side in restricted plant rooms. Ideal when standby is required or when cooling duty is to be increased at a later date
- High efficiency due to the selection of heat exchangers with large surface area
- Unusually high efficiency at part loads (**up to 30% higher IPLV when compared with standard chillers**)
- Electronic expansion valve
- **Particular features of compressor:**
 - Oil-free operation without mechanical friction due to maglev bearings. Total absence of vibration and low frequency noise
 - Capacity control by inverter to 25% of total cooling power
- Integrated control reduces peak current (**6 amperes only**)
- 5 times lighter than an equivalent screw compressor
- Standard electronic control for monitoring and proactive management operation
- Modular Microprocessor control system
- LCD user interface; colour touch-screen with particularly intuitive graphical menu
- **Acoustic enclosure:** heavy galvanized sheet steel with internal acoustic insulation.

Accessories

- **AER485P1TW:** RS-485 interface for supervision systems with MODBUS protocol.
- **PTW:** This allows the refrigerator command operations to be given from a distance.
- **MULTICHILLER:** Control system for control, switch-on and switch-off of the single chillers in a plant in which multiple units are installed in parallel, always ensuring constant flow to the evaporators. (When this accessory is present, the AER485P1TW is factory fitted as standard).

Technical data

Mod.		TW 110
Cooling capacity	kW	285
Total input power	kW	56,4
Input current	A	88
Evaporator water flow rate (7 °C)	l/h	49020
Evaporator pressure drop	kPa	30
Condenser water flow rate (30 °C)	l/h	58720
Condenser pressure drop	kPa	43
♪ Sound pressure	dB(A)	45.5
Evaporator water connections*	Ø	3"
Condenser water connections*	Ø	3"
Max. current	A	134
Peak current	A	6

Power supply = 400V 3~ 50Hz.

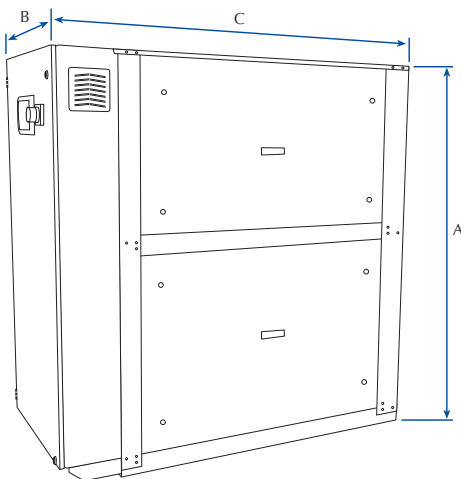
Performance values refer to the following conditions:

- Cooling:
 - processed water temperature 7 °C
 - condenser water inlet temperature 30 °C
 - $\Delta t = 5$ °C
 - power supply: 400 V.

♪ Sound pressure measured in free field conditions at distance of 10 m with direction factor = 2.
In accordance with ISO 3744 regulations

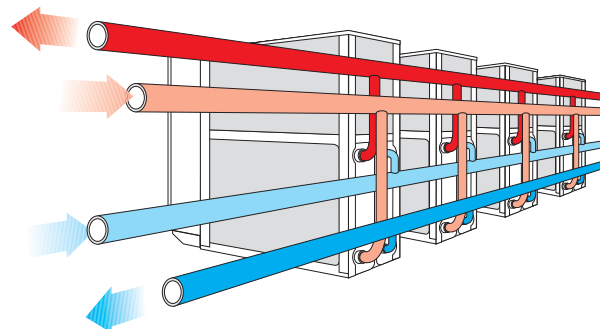
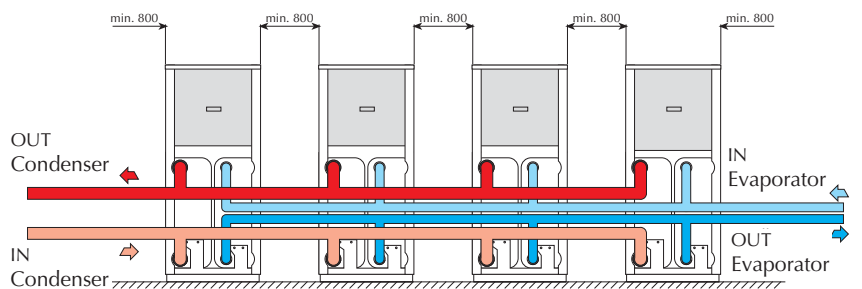
*: V = Victaulic connection

Dimensions (mm)



TW110

Mod.		TW 110
Height	[mm] (A)	1727
Width	[mm] (B)	805
Depth	[mm] (C)	1653
Weight	kg	960



The technical data in this document are not binding.
Aermec S.p.A. reserves the right to make whatever modifications it deems necessary to improve the product at any time.

Aermec S.p.A.
Via Roma, 44 - 37040 Bevilacqua (VR) - Italy
Tel. +39 04 42 63 31 11 - Telefax +39 044 29 35 66
www.aermec.com