



## Self-Contained A/C Unit

- Reciprocating semi-hermetic compressor
- Cooling coil for direct expansion
- High-efficiency direct coupled centrifugal fan
- Water-cooled shell and tube condenser made from Cu-Ni for sea-water resistance or Cu for fresh water
- Standard refrigerant R404A or R407C
- Power supply 3x400V/50Hz or 3x440V/60Hz
- Air filter EU-2
- Evaporator Cu tubes with Cu fins and stainless steel base frame for better resistance (models MAC-Cxx/x/SS)
- Pressure gauges as standard
- Capacity regulation 0%-50%-100% from models MAC-C60/x/xx
- Protection as standard: motor overload, high pressure, low pressure, motor thermal protection, water flow protection, evaporator antifreeze protection.



## Description

Marine type packaged air conditioning unit is developed by Apolon Climate Engineering, focused on marine and offshore installation purposes, especially considering the limited space in a ship. Following the plug and play basis with only simple and fast installations the packed air conditioner MAC-Cxx is suitable for use in the most areas, e.g. engine control room, galleys, cabins, special equipment rooms, etc. Designed considering the specific and rigorous conditions on the sea such as intensive vibration due to pitching and rolling of a ship, corrosion caused by sea water and breeze, this unit can be used as practical solution for small capacity air conditioning.



**Customer satisfaction:**  
To provide our customer with the ultimate solution for its needs is our key to success. We set our main focus on helping our customer for its benefits.

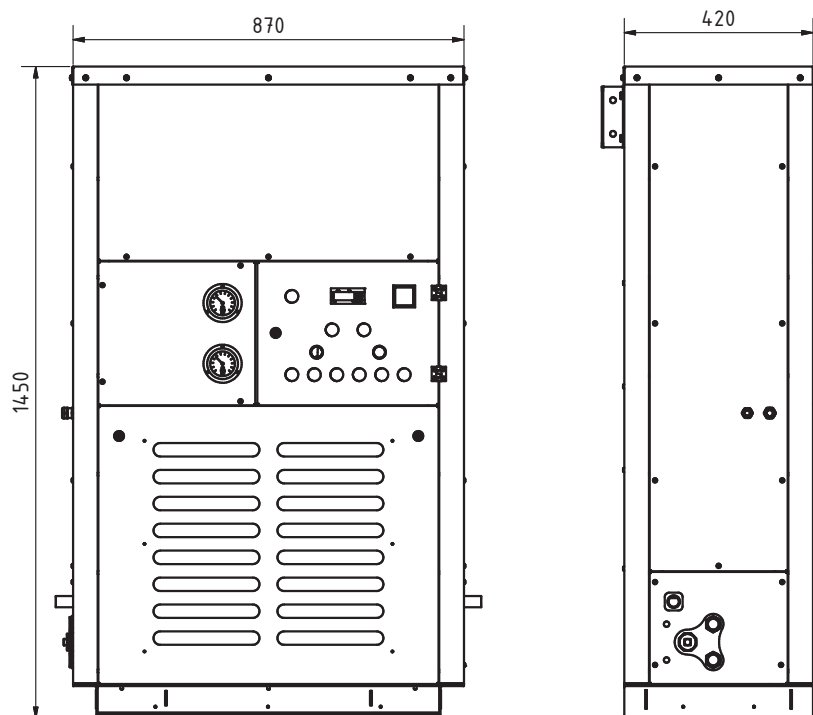


**Innovation and flexibility:**  
Our target is to provide our customers with the cutting-edge of today's newest technologies and solutions, using our competence for customers' prosperity.



**Sustainability:**  
Adopting the thinking, that taking care of our environment is any men's responsibility we promote energy efficient and environmental friendly products and solutions to our customer.

## Specification



## Optional equipment

- Plenum (models MAC-Cxx/P/xx)
- Damper for fresh air
- Stainless steel casing
- Infinity capacity regulation
- Cu/Cu cooling coil
- Electrical heating coil
- Water flow control valve

	MAC-C18	MAC-C30	MAC-C60	MAC-C70	MAC-C85	MAC-C105	MAC-C125
Cooling capacity (kW)	6.4/7.6	9.9/11.9	16.8/20.1	20.4/24.4	24.8/29.7	31.5/37.6	36.1/43.1
Compressor PI[kW]	2.7/3.2	3.7/4.5	6.2/7.4	7.3/8.9	9.1/10.9	11.4/13.45	12.7/15.3
Water flow(m3/h)	1.54	1.87	3.77	3.83	6.08	5	6.55
CW loss(bar)	0.04	0.07	0.12	0.07	0.17	0.1	0.16
Dimmension (HxWxD),mm	1450/870/420	1450/870/420	1680/870/550	1680/870/550	1680/870/550	1820/1280/600	1820/1280/600
Weight (kg)	168	186	275	340	392	440	520

1. Capacity is based on evaporator entering air temp. 27°C D.B/19.5°C W.B. and entering condenser sea water temp. 32°C or fresh water 37°C

2. 50/60Hz, PI power input, CW cooling water

3. Each unit has been tested in factory for a minimum 120 minutes

4. Above parameters are based on refrigerant R404A. Other refrigerants are available on request.

\*\* All dimmesions +/- 10mm

Technical specification are subject to change without prior notice

See more details  
on our web site:

