

Air Cooled Compact Air Conditioner Marine type

New Product
Split A/C unit
for vessels' bridge



Advantages:

- ❶ Compact dimensions. It can easily fit to the bridge of the ship.
- ❷ Electric circuit special for ship power. It can operate without neutral on 1 phase 220V or 3 phase 440V, 50Hz or 60Hz. The unit does not have sensitive electronic parts which could be damaged from the voltage fluctuations.
- ❸ Low noise. The internal unit is equipped with a low noise plug fan. The compressor is fitted to the external unit.
- ❹ The casing is from galvanized steel, coated with electrostatic painting. The condenser of the external unit is treated with special anti-corrosion coating.

Split A/C Unit Compact

Model		MS.03.AC.E	MS.03.AC.D	MS.05.AC.D
Cooling capacity (kW) ^①	50Hz	8,7	8,6	15,5
	60Hz	10,2	10,1	18,0
Cooling capacity (btu/h) ^①	50Hz	29617	29379	52888
	60Hz	34667	34292	61248
Power consumption (kW) ^①	50Hz	2,8	2,9	4,6
	60Hz	3,6	3,7	5,7
Energy class for cooling ^②		A	A	A
Power Supply		1 Phase, 230V, 50/60 Hz	3 Phase, 380/440V, 50/60 Hz (other power supplies upon request)	
Casing / color		Heavy duty galvanized steel with electrostatic light/dark grey coating		
Compressor		Copeland® high efficiency scroll compressor		
Horse Power	hp	3	3	5
Condenser		Cross fin coil Condenser for tropical conditions with anticorrosion coating for increased lifetime		
Condenser Fan		EBM® high efficiency erp-ready axial fan		
Evaporator		Cross fin coil (copper tubes/aluminum fins)		
Evaporator Fan		EBM® high efficiency erp-ready radical fan		
Air flow	50Hz	1690	1773	2750
	60Hz	1835	2052	3241
Sound pressure level (Indoor 60Hz)	dBA	62	64	72
Refrigerant		R407c		
Indoor Dimensions (with plenum)	W1 x H1 x D1 mm	500 x 1530 x 450		625 x 1750 x 505
Indoor Dimensions (with plenum and optional heaters)	W1 x H1 x D1 mm	500 x 1790 x 450		625 x 2010 x 505
Outdoor Dimensions	W2 x H2 x D2 mm	1105 x 875 x 640		1305 x 875 x 670

Notes: ^① Cooling capacity based on evaporator entering air temp. 27°C D.B. - 50% R.H. and environmental temperature 35°C. ^② For average European climate zone - Energy class is provided for reference only according to E.U. legislation for commercial A/C units, as marine A/C units are not ranked to energy class.

Using a marine specialized package air condition, you will have increased performance and efficiency and larger lifetime of the unit with less maintenance and faults in comparison to residential air condition units.

Optional:

- Electric heaters for heating
- Air discharge duct connections
- Other power supplies upon request
- Spare parts kit

