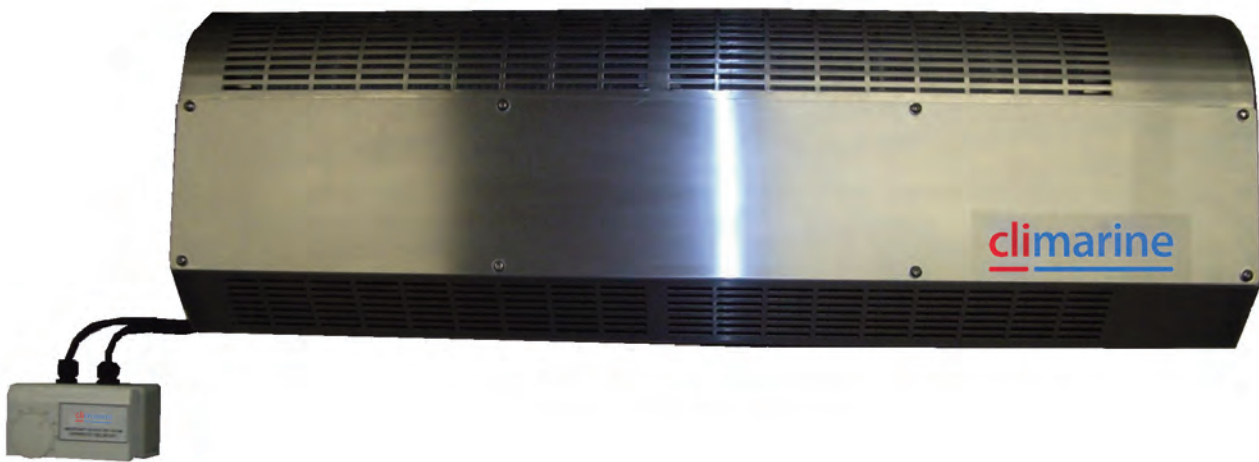


CM5 2 Piece Split Air Conditioning System



Safely Controlling Environments in Harsh Areas



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CM5 2 Piece Air Conditioning System

Introduction

Climarine CM5 – 2 piece split air conditioning systems are robustly designed and manufactured to ISO 9001 standards. The range is specifically designed to meet today's temperature control requirements in the demanding environments of the offshore, marine and petrochemical industries.

Our team of dedicated, highly skilled engineers and technicians use their extensive knowledge, experience, feedback from end users, and the latest 3D design technology to continually develop and update our designs.

Materials and components are selected to provide resistance to corrosion, long service life, and optimum reliability. Our Standard models use only proven and trusted components which are made common throughout the range.

System Description

The System comprises two main parts:

- An external condenser unit housed in a Stainless Steel (316L) constructed enclosure. The condenser coils are manufactured from marine standard copper tube and copper fins with stainless steel casework. Fan motors and impellers feature corrosion resistant materials and coatings.
- An internal Evaporator Unit in the area to be climate controlled.

Multiple configuration options offer versatility in various module layout designs allowing the main parts of the system to be located to suit available equipment space and locations.

Controls are designed to maintain reliable, efficient automatic control of room temperature and for ease of use by the operator.



Typical Applications

This equipment is suitable for providing climate control in the following typical applications:

- Accommodation Modules
- ROV Control room/Power modules
- Laboratory Modules
- Control Rooms
- Switchrooms

Options

- Range of cooling capacities from 3 to 40kW
- Electric heating
- Other Certification may be available
- Notified Body Type Approval
- For hazardous areas units – please refer to our Hazcool range of products

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Standard Specification

Nom Cooling Duty	3kW to 40kW @ 40°C 70%RH external ambient / 25°C 50%RH internal
Heating	Heat pump or electric heating
Design Point Conditions	35°C
Power Supply	3 phase/ 440v/ 60hz
Temperature Control	Electronic Controller with staged control
Casing Material	Stainless Steel
Compressor	Semi hermetic
Condenser Heat Exchanger	Copper tube/Copper fin Coils and Axial Fans
Evaporator Heat Exchanger	Shell & Tube heat exchanger
Pipe Work	Fully Brazed Copper Pipe work
Refrigerant Type	R417A

Documentation

Standard **Climarine** Documentation Package includes:

Declaration of Conformity
 Specification
 Operation, Installation & Maintenance Instructions
 Spare Parts List
 Material Safety Data Sheets
 GA & Electrical Diagrams

Testing

All equipment is fully pressure/leak tested prior to dispatch

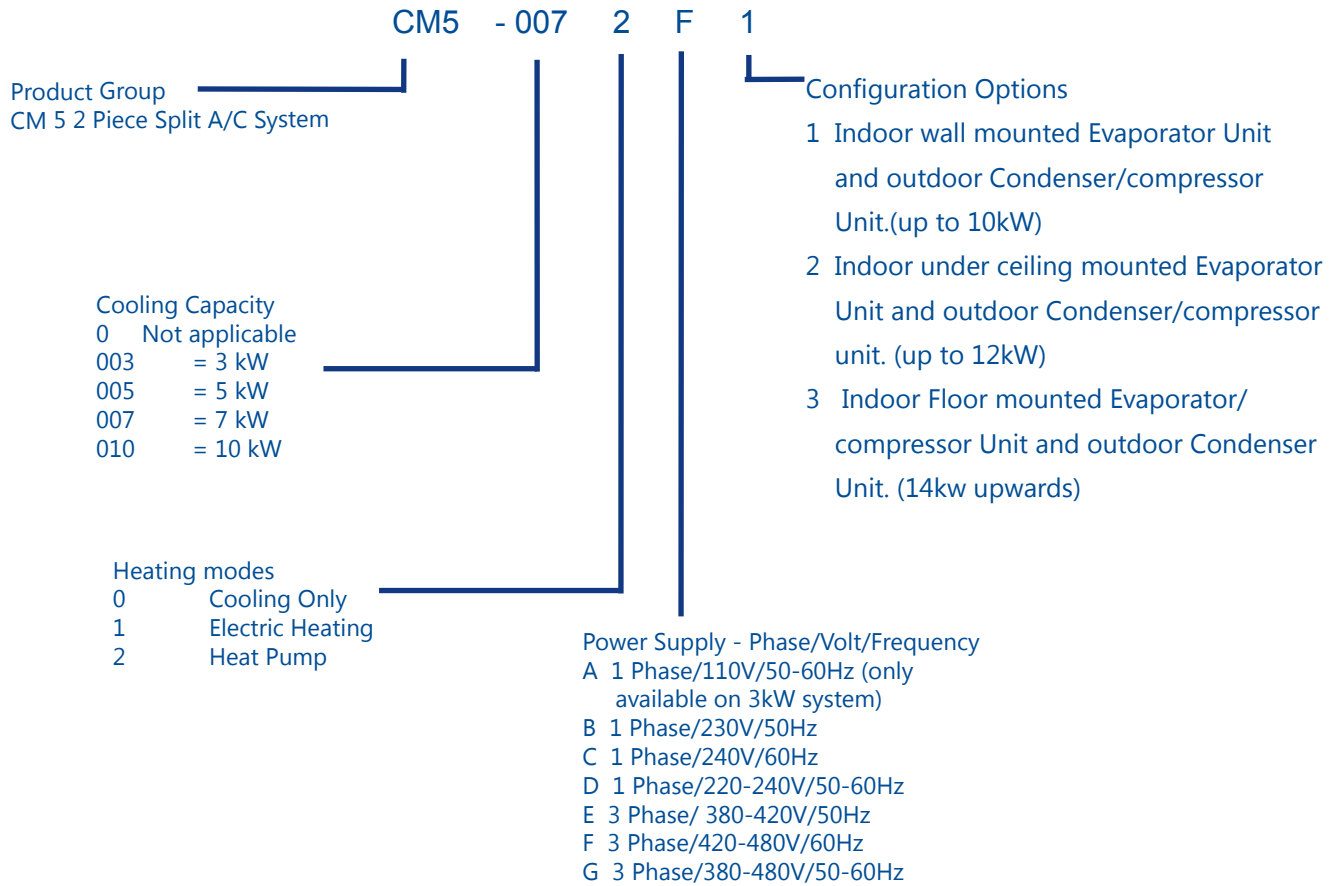
Client FAT available on request

CM5 2 Piece Split Air Conditioning System

How to Order

For example

A 2 piece split A/C system @ 7kW nominal duty with no heating @ 1 Phase/220-240V/50-60Hz ATEX Certified for use in Zone 2 (outdoor section only) with outdoor condenser unit, indoor compressor/control enclosure and wall mounted evaporator would be as follows;



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