

HZ2 Rooftop Packaged Air Conditioning Unit



Safely Controlling Environments in Hazardous Areas



HVAC & Refrigeration Engineering Ltd - Products Division
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Introduction

Hazcool HZ2 Rooftop Packaged Air Conditioning units are robustly designed and constructed for use in the hazardous offshore, marine and petrochemical environment.

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

Materials and components are selected to provide resistance to corrosion, long service life and optimum reliability along with standardisation of common components across the range to ensure spare parts are always readily available at competitive prices.



System Description

The HZ2 Rooftop Packaged range has been developed for use in non-pressurised modular/containerised buildings where both the outdoor and indoor zones are classified as "Hazardous Areas".

The unit is mounted externally on the roof of the building and the air supply and returns are connected to the indoor area via external ducting (usually through roof penetrations).

When in operation the HZ2 continuously re-circulates the air in the indoor area and provides cooling (heating option is also available) to regulate the room temperature via thermostatic control.

This is a self contained one piece packaged unit and requires no on-site installation of refrigeration pipework. The unit is supplied from our factory pre-charged and commissioned thereby eliminating the need for specialist refrigeration skills.

Typical Applications

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

- Crane Cabins
- Drilling Dog Houses
- Analyser Houses
- Metering Stations
- Dry Goods Stores

Options

- Range of cooling capacity options from 3 to 20kW
- Electric heating
- ATEX Category 2/3 Certification
- Other Certification may be available

For non-hazardous area units please refer to our Climarine range of products.

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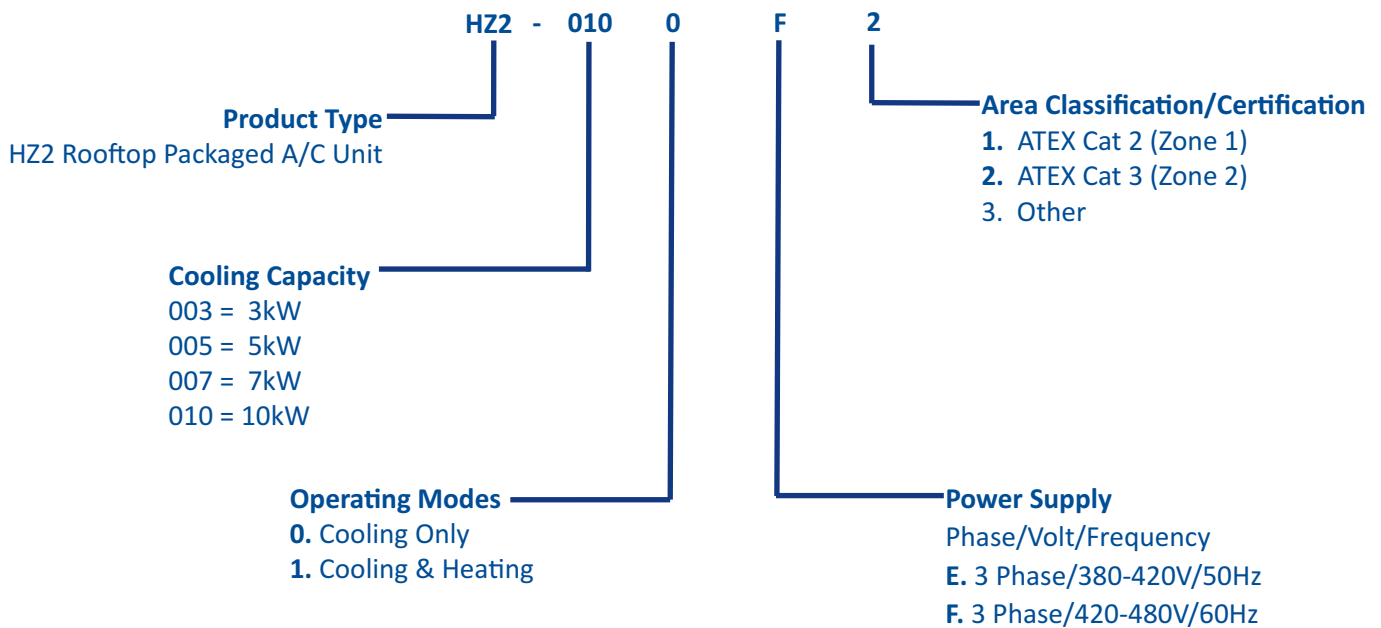
Use of Equipment

The user is responsible for the choice of the type of equipment put in place and must take into account the explosion risk area in which the equipment will operate, checking the classification of the hazardous area and temperature class is suitable.

How to Order

For example

A Rooftop packaged Air Conditioning Unit, cooling duty 10kW, no heating, power supply 3ph/440V/60Hz. ATEX certified for use in a Zone 2 area.



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