



REFRIGERATION & AIR CONDITIONING SPECIALISTS

AR-058 Split System (Mitsubishi Heavy)



Tradewinds's explosion-safe air conditioners are made to safely ensure a pleasant climate in an area where a release of gas, vapor or mist could cause an explosive atmosphere (Zone 2). The units are widely used in office spaces, offshore temporary living quarters, crane cabins and at the storage of chemicals and flammable substances.

With regards to the indoor unit, depending on the required power and the specific application, there is a choice of wall- and ceiling-mounted, cassette or ducted models.

The AR-058 air conditioners are explosion-safe and certified in accordance with European directive 2014/34/EU (ATEX 114) and are CE marked. The systems can consist of a combination of explosion-safe and non-explosion-safe units, depending on the zoning of the area where the units are placed.

During production of the explosion-safe units, the greatest possible attention is paid to the maintainability and ease with which the units can be installed. The functionality remains completely intact.

To extend the service life under severe coastal and offshore conditions, the aluminium fins of the condenser and the copper tubing can be provided with a protective coating.



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Features

- Based upon the Mitsubishi Heavy range of air conditioning systems
- ATEX certified
- Explosion-safe for gasses and vapours, suitable for use in Zone 2
- From 2,0 up to 13,6 kW, cooling and heating (heat pump function)
- Ambient temperatures from -20 °C up to +50 °C
- Industrial and compact models available
- Optional coating of the condenser fins and copper tubing
- Any combination of explosion-safe and non-explosion safe parts can be made

Technical properties

- Explosion safety (outdoor unit): II 3 G Ex ec h ic mc IIB+H2 T3 Gc
- Explosion safety (indoor unit): II 3 G Ex ec h ic IIB+H2 T4 Gc
- Explosion safety (remote control): II 3 G Ex ic IIC T6 Gc
- European directives: 2014/34/EU (ATEX 114), 2014/30/EU (EMC) and 2009/125/EC (Eco Design)
- Applied standards: EN 14986:2017, EN 60079-0:2018, EN 60079-7:2015 / A1:2018, EN 60079-11:2012, EN 60079-18:2015 / A1:2017, EN 80079-36:2016 and EN 80079-37:2016
- Certification: EU Declaration of Conformity / Unit Assessment Certificate
- Power supply: 220 - 240 VAC / 380 - 415 VAC
- Mains frequency: 50 Hz
- Ambient temperature: -20 °C to +50 °C

Please contact us for more information or a detailed quotation for your specific application.
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