

Product 10: ATEX Outdoor Air Conditioner

[Product Photos]

[Short Desc (two Paragraphs)]

The Ex-M Classic outdoor unit is a cutting-edge explosion proof air conditioner designed for use in hazardous environments. This ATEX certified AC unit seamlessly combines Daikin's renowned cooling technology with advanced safety features, making it the ideal choice for industrial settings where the risk of explosive atmospheres is present. This explosion-proof unit is certified for ATEX zone 2 (3G) and zone 22 (3D), ensuring safe operation in areas with potentially explosive gas or dust atmospheres.

Engineered to withstand challenging conditions, this Ex proof climate control system delivers optimal performance while maintaining the highest safety standards. The Ex-M Classic outdoor unit forms part of a comprehensive ATEX approved cooling system, offering versatile solutions for various hazardous locations and industrial applications. With its robust construction and advanced features, this airco unit sets a new benchmark for safety and efficiency in explosion-hazardous areas.

[Table Explosion Protection Specs]

EU Directive	2014/34/EU (ATEX114)
ATEX marking gas (indoor unit)	3G Ex ic nAC IIB (+H2) T4 Gc
ATEX marking gas (outdoor unit)	3G Ex h nAC IIB (+H2) T3 Gc
ATEX marking dust (indoor unit)	3D Ex ic tc h IIB T140°C Dc
ATEX marking dust (outdoor unit)	3D Ex ic tc h IIB (+H2) T150°C Dc
Applied standards	EN 60079-0, EN 60079-11, EN 60079-15, EN 60079-31, EN 80079-36, EN 80079-37

[Key Features Bulletpoints]

- ATEX certified for use in Zone 2 and Zone 22 hazardous areas
- Robust construction for harsh industrial environments
- High energy efficiency with excellent SEER ratings
- Wide operating range for cooling and heating
- Low sound pressure levels for quiet operation
- R-32 refrigerant for reduced environmental impact

[Optional features]

The Ex-M Classic outdoor unit offers a range of optional features to enhance its performance and adaptability to various environments. For applications requiring higher durability, a marine upgrade is available, providing additional corrosion protection on fins, coils, and outdoor casings. Users can opt for an R410A retrofit, replacing the standard R32 refrigerant to meet specific requirements. The unit can be equipped with a 50Hz/60Hz upgrade to accommodate different electrical systems, ensuring compatibility across various industrial

settings. For enhanced safety and convenience, a rugged IP66 casing wired remote control is available, along with offshore corrosion resistance treatment for extreme environments. An ATEX isolating switch can be installed for maximum safety in hazardous areas, while a low ambient kit allows for operation in extremely cold conditions. These options, combined with the possibility of BMS integration for centralized control and monitoring, make the Ex-M Classic outdoor unit a versatile and customizable solution for explosion-hazardous environments.

The Ex-M Classic series offers a range of cooling capacities from 2.0 kW to 7.1 kW and heating capacities from 2.5 kW to 8.2 kW, catering to various space requirements in hazardous areas. Powered by a 1~/50/220-240V supply and utilizing R-32 refrigerant (with R410A as an optional alternative), these units achieve impressive energy efficiency ratings of up to A+++ for both cooling and heating operations. This ATEX approved AC system is part of a comprehensive range that includes wall mount, cassette, ceiling suspended, and ducted models, all designed to provide safe and efficient climate control solutions for explosion-hazardous environments.

[AC Specs, series name]

Specification	Detail
Model Names	Ex-M RXM20, Ex-M RXM25, Ex-M RXM35, Ex-M RXM42, Ex-M RXM50, Ex-M RXM60, Ex-M RXM71
Cooling Capacity	2.0 kW to 7.1 kW
Heating Capacity	2.5 kW to 8.2 kW
Operating Range	Cooling -20°C to +50°C, Heating -21°C to +25°C
Refrigerant	R32 (with optional R410a retrofit)
Power Supply	1~/50/220-240V
Outdoor unit dimensions (mm)	550x765x285 (20-35), 734x870x373 (42-50), 734x954x401 (60-71)
Weight	32 kg (20-35), 49 kg (42-50), 55 kg (60-71)

[Linked Products: products in the same series]

Series: ExM Classic (Daikin)