

Product 6: ATEX Wall Mount Air Conditioner

[Product Photos]

[Short Desc (two Paragraphs)]

The ATEX Wall Mounted Climate Control - ExM Classic Series are designed for safe use in hazardous industrial environments, such as those in the Oil & Gas, Marine, and Chemical industries. These units provide both cooling and heating with a wide operational range from -20°C to +50°C, making them suitable for diverse ambient conditions. Certified for ATEX zones 2 and 22, they are engineered to ensure safety in environments where explosive gas or dust may be present, offering peace of mind in areas prone to industrial hazards.

The units utilize the eco-friendly R32 refrigerant, with an option for a retrofit to R410a upon request. Modified and certified by Ex-Machinery, these air conditioners meet stringent safety standards, including the IIB(+H2) T4 Gc and IIB(+H2) T3 Gc certifications. With over 90% of Daikin AC models capable of explosion-proof modification, they offer a reliable, cost-effective solution for safe temperature control in hazardous environments.

[Table Explosion Protection Specs]

EU Directive	2014/34/EU (ATEX114)
ATEX marking gas (indoor unit)	3G Ex h ic nAC IIB (+H2) T4 Gc
ATEX marking gas (outdoor unit)	II 3G Ex h nAC IIB (+H2) T3 Gc
ATEX marking dust (indoor unit)	II 3D Ex tc h IIIB T140°C Dc
ATEX marking dust (outdoor unit)	II 3D Ex tc h IIIB (+H2) T150°C Dc

[Key Features Bulletpoints]

- Explosion-proof modification of the Daikin FTXM + RXM series for safe use in hazardous environments.
- Suitable for both cooling and heating operations.
- Approved for ATEX zone 2 and 22, ensuring safe use in explosive gas and dust atmospheres.
- Operational temperature range between -20°C and +50°C, covering various ambient conditions.
- Uses environmentally-friendly R32 refrigerant, with an option for R410a retrofit if needed.
- Tailored for industries like Oil & Gas, Marine, and Chemical sectors, ensuring a safe working environment in hazardous locations.
- Modified and certified by Ex-Machinery, ensuring the product meets explosion-proof standards.

[Optional features]

The ATEX-modified Daikin air conditioners offer versatile configurations to meet different industrial needs. Three setup options are available: an indoor unit for ATEX zone 2 with an outdoor unit for a safe area, an indoor unit for a safe area with an outdoor unit for ATEX zone 2, or both units designed for ATEX zone 2 environments. For enhanced durability in

marine settings, a corrosion protection upgrade with AISI 316 fasteners is offered. Additional options include R410A refrigerant retrofitting, 50Hz/60Hz frequency upgrades, and seamless connection to Building Management Systems (BMS) or Industrial Distributed Control Systems (DCS).

[AC Specs, series name]

Specification	Detail
Model Names	Ex-M FTXM20, Ex-M FTXM25, Ex-M FTXM35, Ex-M FTXM42, Ex-M FTXM50, Ex-M FTXM60, Ex-M FTXM71
Cooling Capacity	3.5 kW to 14.0 kW
Heating Capacity	4.0 kW to 16.0 kW
Operating Range	Cooling -20°C to +50°C, Heating -20°C to +24°C
Refrigerant	R32 (with optional R410a retrofit)
Power Supply	1Phase, 220-240V, 50Hz (60Hz on request)
Outdoor unit dimensions (mm)	734x954x401, 990x940x320, 1,430x940x320
Weight	32 kg, 49 kg

[Linked Products: products in the same series]

Series: ExM Classic (Daikin)