

Product 1: ATEX Wall Mounted Climate Control

[Product Photos]

[Short Desc (two Paragraphs)]

The ATEX Wall Mounted Climate Control - ExM High Ambient Series - Type ExM FTXM35-100 is designed to provide reliable and efficient air conditioning in hazardous areas with high ambient temperatures. This explosion-proof unit is certified for ATEX zone 2 (3G) and zone 22 (3D), ensuring safe operation in industries such as oil and gas, chemical, and food and beverage. Its robust construction and advanced features ensure superior performance and energy efficiency, maintaining a comfortable and safe environment even in extreme conditions. Choose this model for its compact design and ease of installation, making it ideal for spaces where floor and ceiling mounting are not feasible.

Built upon Daikin's commercial air conditioning technology, the ExM High Ambient Series Wall Mounted Climate Control offers enhanced features tailored for hazardous environments. These include advanced corrosion protection, technical cooling functions, and seamless integration with industrial control systems. This unit is engineered to withstand harsh environments while maintaining optimal indoor air quality and comfort.

[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
Applied standards	EN 60079-0, EN 60079-11, EN 60079-15, EN 60079-31, EN 80079-36, EN 80079-37

[Key Features Bulletpoints]

- Certified for ATEX zone 2 and zone 22 environments
- Designed for high ambient temperatures up to 52°C
- Capable of both cooling and heating
- Energy-efficient operation with low power consumption
- Quiet operation with minimal noise levels
- Corrosion protection coating for industrial and marine environments
- Seamless integration with Building Management Systems (BMS) and Distributed Control Systems (DCS)

- Available in multiple capacities to suit various application needs

[Optional features]

The ATEX Wall Mounted Climate Control offers several optional features to enhance its performance and suitability for 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, and a 50Hz/60Hz upgrade to accommodate different electrical systems. Additional safety and convenience can be achieved with a rugged IP66 casing wired remote control, offshore corrosion resistance treatment, and an ATEX isolating switch for maximum safety in hazardous areas.

[AC Specs, series name]

	Types			
EX-M FTXM35	Ex-M FTXM50	Ex-M FTXM60	Ex-M FAA71	Ex-M FAA100
	Nominal cooling capacity			
3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW
11940 BTU	17060 BTU	20470 BTU	23200 BTU	32400 BTU
1 RT	1.4 RT	1.7 RT	1.9 RT	2.7 RT
	Nominal heating capacity			
4.0 kW	6.0 kW	7.0 kW	7.5 kW	10.8 kW
13650 BTU	20470 BTU	23900 BTU	25600 BTU	36850 BTU
1.2 RT	1.7 RT	2 RT	2.1 RT	3 RT
	Indoor Unit Dimensions (mm)			
	-			
294x811x272	300x1,040x295	300x1,040x295	790x1,050x238	340x1,200x240
10 KG	14.5 KG	14.5 KG	13 KG	17 KG
	Electrical Supply			
1Phase, 220-240V, 50/60Hz	1Phase, 220-240V, 50/60Hz	1Phase, 220-240V, 50/60Hz	1Phase, 220-240V, 50/60Hz	3Phase with Neutral, 380-415V, 50Hz (60Hz on request)
	Operating Range Cooling			
-20 °C +52 °C	-20 °C +52 °C	-20 °C +52 °C	-20 °C +52 °C	-20 °C +52 °C
	Operating Range Heating			
-20 °C +24 °C	-20 °C +24 °C	-20 °C +24 °C	-20 °C +18 °C	-20 °C +18 °C
	Refrigerant			
R32 (R410-A Optional)	R32 (R410-A Optional)	R32 (R410-A Optional)	R32 (R410-A Optional)	R32 (R410-A Optional)

[Linked Products: products in the same series]

Series: ExM High Ambient (Daikin)