

Product 2: ATEX Ceiling Suspended Air Conditioner

[Product Photos]

[Short Desc (two Paragraphs)]

The ATEX Ceiling Suspended Air Conditioner - ExM High Ambient Series - Type ExM FHA35-140 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 versatility in installation and efficient use of ceiling space, providing powerful and even cooling in areas where wall and floor space is limited.

Built upon Daikin's commercial air conditioning technology, the ExM High Ambient Series Ceiling Suspended Air Conditioner 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 Ceiling Suspended Air Conditioner 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]

Specification	Detail
Model Names	ExM FHA35A, ExM FHA50A, ExM FHA60A, ExM FHA71A, ExM FHA100, ExM FHA125, ExM FHA140
Cooling Capacity	3.5 kW to 14.0 kW
Heating Capacity	4.0 kW to 16.0 kW
Operating Range	Cooling -20°C to +52°C, Heating -20°C to +24°C
Refrigerant	R32 (with optional R410a retrofit)
Power Supply	1Phase, 220-240V, 50Hz (60Hz on request)
Indoor unit dimensions (mm)	Varies by model (specific dimensions needed)
Indoor unit weight (kg)	Varies by model (specific weights needed)
Outdoor unit dimensions (mm)	734x954x401, 990x940x320, 1,430x94

[Linked Products: products in the same series]

Series: ExM High Ambient (Daikin)