

Product 8: ATEX Cassette Airco

[Product Photos]

[Short Desc (two Paragraphs)]

The ATEX Cassette Airco - ExM Classic Series - Type ExM FCAG35B-60B is designed to provide reliable and efficient air conditioning in hazardous areas. 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 discreet ceiling installation, which provides uniform airflow and preserves floor and wall space, making it perfect for large open areas.

Built upon Daikin's commercial air conditioning technology, the ExM Classic Series Cassette Airco 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

[Key Features Bulletpoints]

- Explosion-proof modification of the Daikin FCAG + 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 Cassette Airco 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 FCAG35B, ExM FCAG50B, ExM FCAG60B
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)

[Linked Products: products in the same series]

Series: ExM Classic (Daikin)