

Product 15: Ex Proof Outdoor Unit Air Conditioning

[Product Photos]

[Short Desc (two Paragraphs)]

The Ex Proof Outdoor Unit Air Conditioning Unit - Ex-M Best Buy Series - Type ExM AC026RXADKG to ExM AC250RXADKG is engineered to deliver reliable and efficient cooling for hazardous environments. 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. Designed for use with various indoor units, this Ex Proof outdoor air conditioner provides robust performance and energy efficiency, maintaining safety and comfort in demanding conditions.

Built upon Samsung's commercial air conditioning technology, the Ex-M Best Buy Series outdoor unit offers advanced features tailored for hazardous environments. These include enhanced corrosion protection, technical cooling functions, and seamless integration with industrial control systems. This explosion-proof air conditioner is designed to withstand harsh environments while providing efficient and consistent climate control.

[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
- Advanced cooling technology for efficient and uniform temperature control
- Energy-efficient operation with low power consumption
- Quiet operation with minimal noise levels
- Enhanced corrosion protection 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 Ex Proof Outdoor Unit Air Conditioning offers several optional features to enhance its performance and suitability for various environments. A marine upgrade is available, providing additional corrosion protection on fins, coils, and outdoor casings for applications requiring higher durability. Users can also opt for an R410a retrofit, replacing the standard R32 refrigerant, and a 50Hz/60Hz upgrade to accommodate different electrical systems. Additional features include 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]

Model Names	ExM AC026RXADKG, ExM AC035RXADKG, ExM AC052RXADKG, ExM AC071RXADKG, ExM AC100RXADKG, ExM AC120RXADKG, ExM AC140RXADKG, ExM AC180RXADKG, ExM AC250RXADKG
Cooling Capacity	2.6 kW to 25 kW
Heating Capacity	3.3 kW to 28 kW
Operating Range	Cooling -15°C to +50°C, Heating -20°C to +24°C
Refrigerant	R32 (with optional R410a retrofit)
Power Supply	1Phase, 220-240V, 50/60Hz
Outdoor unit dimensions (mm)	790x548x285, 790x548x285, 880x638x310, 880x798x310
Outdoor unit (kg)	32.8, 32.8, 43.8

[Linked Products: products in the same series]

Series: ExM Best Buy (Samsung)