Product 11: ATEX Wall Mount Airco

[Product Photos]
[Short Desc]

The ATEX Wall Mount Airco is a specialized air conditioning unit designed for hazardous areas, ensuring reliable climate control in environments where safety is paramount. This explosion-proof air conditioner meets rigorous ATEX standards, making it ideal for use in ATEX zone 2 (3G) and ATEX zone 22 (3D) classified areas. Engineered with precision, it provides superior performance and energy efficiency, ensuring a comfortable and safe atmosphere in demanding conditions. Choose the wall mount unit for its compact design and ease of installation, making it ideal for spaces where floor and ceiling mounting are not feasible.

Built upon the robust foundation of Samsung's commercial air conditioning technology, the ATEX Wall Mount Airco offers advanced features tailored for hazardous environments. Its unique design includes enhanced corrosion protection, technical cooling functions, and seamless integration with industrial control systems, making it a versatile solution for a variety of industrial applications.

[Table Explosion Protection Specs]

Explosion Protection Specifications and Certification

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 markering 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 Wind-Free™ Cooling technology for gentle, uniform cooling
- Energy-efficient operation, reducing consumption by up to 77%
- Quiet operation with noise levels as low as 21 dB(A)
- Corrosion protection coating on fins and coils for marine and industrial environments
- Seamless integration with BMS and industrial DCS systems
- Available in multiple configurations to suit various installation needs

[Optional features]

The ATEX Wall Mount Airco offers a range of optional features to enhance its performance and suitability for various environments. For applications requiring enhanced durability, a marine upgrade is available, providing additional corrosion protection on fins, coils, and outdoor casings. Users can also opt for an R410a retrofit, replacing the standard R32

refrigerant, and a 50Hz/60Hz upgrade to accommodate different electrical systems. For added convenience and safety, a rugged IP66 casing wired remote control can be included, along with an offshore corrosion resistance treatment. An ATEX isolating switch is also available, ensuring maximum safety in hazardous areas.

[AC Specs, series name]

Available Ex Wall Mount Types (ATEX Zone 2 & 22)

	Types		
Ex-M AC026TNXDKG	Ex-M AC035TNXDKG	Ex-M AC052TNXDKG	Ex-M AC071TNXDKG
	Nominal cooling capacity		
2.6 kW	3.5 kW	5.2 kW	7.1 kW
8900 BTU	11900 BTU	17100 BTU	24200 BTU
0.7 RT	1 RT	1.4 RT	2 RT
	Nominal heating capacity		
3.3 kW	4.0 kW	5.0 kW	7.1 kW
11300 BTU	13600 BTU	20500 BTU	24200 BTU
0.9 RT	1.1 RT	1.7 RT	2.3 RT
	Indoor Unit Dimensions (mm) -		
820x299x215	820x299x215	1055x299x215	1055x299x215
9.1 KG	9.1 KG	11.7 KG	12.7 KG
	Electrical Supply		
1Phase, 220-240V, 50/60Hz	1Phase, 220-240V, 50/60Hz	1Phase, 220-240V, 50/60Hz	1Phase, 220-240V, 50/60Hz
	Operating Range Cooling		
-15 °C + 46 °C	-15 °C + 46 °C	-15 °C + 50 °C	-15 °C + 50 °C
	Operating Range Heating		
-20 °C + 24 °C	-20 °C + 24 °C	-20 °C + 24 °C	-20 °C + 24 °C
	Refrigerant		
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 Best Buy (Samsung)