



Atexxo Manufacturing
Specialist in ATEX and IECEx Equipment



Explosion Proof Air Conditioners, ATEX Zone 2 Ducted AC Units

(can be attached to flexible ducts of varying lengths, optional fresh air intake)

Explosion Safety	CE Ex II 3G ; Ex ec h ic nC IIC T3 Gc (covering all gasgroups IIA/IIB/IIC)
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Atexxo Manufacturing BV explosion proof air conditioners (ATEX) developed for 24/7 operation in high ambient (dessert/tropical) conditions. These split units are designed for safe use in zone 2 gas/vapor explosive atmospheres. ATEX Zone 2 is the European equivalent for US, NEC Class 1 Division 2 equipment. (C1D2)

The units have integrated heat pump function for both heating and cooling. In Hot climates only the cooling mode can be selected. The Explosion Proof Air conditioners and ATEX split units are equipped with European approved R-32 refrigerant, with **zero** ozon depletion potential (ODP) and a low global warming potential (GWP) of just 675, or equipped with the established R410A refrigerant.

Conversion to ATEX explosion proof is in line with Atexxo's philosophy of providing excellent explosion protection while maintaining all features of the original product. This makes the ATEX Air conditioners easy to install and operate.

The sets consist of ATEX approved outdoor-, EX rated ducted indoor unit for concealed ceiling applications and explosion proof wired remote controller.

Benefits:

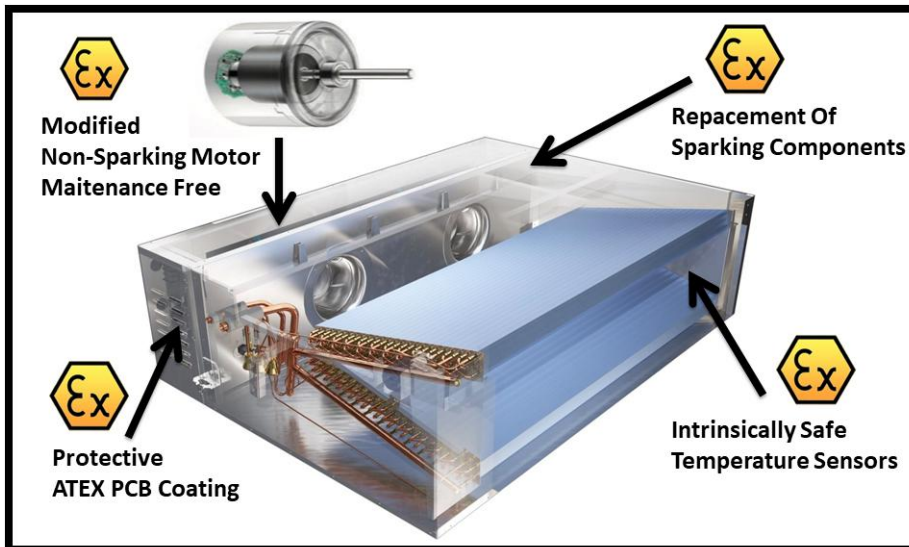
- Available in 50Hz and 60Hz
- High Ambient temperatures
- Easy to install and operate
- ATEX Zone 2 Classified
- Zero Ozon Depletion
- Low Global Warming Potential (GWP)

Applications:

- Gas tanker ships
- Chemical plants
- Offshore oil platforms
- Battery rooms
- Storage of hazardous goods
- Analyzer cabinets

Safe Operations in ATEX Hazardous Zone 2 Classified Areas

Using multiple explosion protective measures to ensure safe operations in hazardous environments. Conversion to ATEX explosion safe is in line with Atexxo's philosophy of providing excellent explosion protection while maintaining nearly all features of the original product. This makes the ATEX Air Conditioners easy to install and operate.



The above picture demonstrates some of the protective anti-explosion measures intergraded in Atexxo's ducted indoor unit. All modifications are according to safety standards, well documented and tested. Standard units are available from Daikin, other brands can be delivered on request.



Please contact us for other capacities and or configurations e.g. multi-split systems or chillers.

Technical information

Voltage:	200-240 Volt (wider input range / 400V on request)
Frequency :	50/60 Hz
Type Split Unit :	FBA = Ducted indoor unit (150 Pa)
Refrigerant:	R32 or R410A
ATEX:	Unit Assessment Certificate: Zone 2, II 3G; Ex ec h ic nC IIC T3 Gc (IECEx certification on request)

Table below; Ordering information Atexxo Explosion Proof Ducted Units

ATEX Ducted Units Atexxo Manufacturing B.V.	Atex Zone	Cooling Capacity	Heating Capacity	Refrigerant	Dimension indoor unit HxWxD (mm) Weight (kg)	Dimension outdoor unit HxWxD (mm) Weight (kg)
Order Number						
AIR-EX-FBA-35-R32	Zone 2	12.000 BTU / 1.0RT / 3.5kW	4.0 kW	R32	245x700x800, 28kg	552x840x350, 32 kg
AIR-EX-FBA-50-R32	Zone 2	18.000 BTU / 1.5RT / 5.0kW	5.8 kW	R32	245x700x800, 28kg	734x870x373, 49 kg
AIR-EX-FBA-60-R32	Zone 2	20.000 BTU / 1.7RT / 6.0kW	7.0 kW	R32	245x1000x800, 35kg	734x870x373, 49 kg
AIR-EX-FBA-71-R32	Zone 2	24.000 BTU / 2RT / 7.1kW	8kW	R32	245x1000x800, 35kg	870x1100x460, 81kg
AIR-EX-FBA-10-R32	Zone 2	35.000 BTU / 3 RT / 10kW	11 kW	R32	245x1.400x800, 46kg	870x1100x460, 85kg
AIR-EX-FBA-12-R32	Zone 2	43.000 BTU / 3.6RT / 12.5kW	14kW	R32	245x1.400x800, 46kg	870x1100x460, 94kg
AIR-EX-FBA-14-R32	Zone 2	50.000 BTU / 4RT / 14kW	16kW	R32	245x1.400x800, 46kg	870x1100x460, 94kg
AIR-EX-FBA-35-R410A	Zone 2	12.000 BTU / 1.0RT / 3.5kW	4.0 kW	R410A	245x700x800, 28kg	552x840x350, 32 kg
AIR-EX-FBA-50-R410A	Zone 2	18.000 BTU / 1.5RT / 5.0kW	5.8 kW	R410A	245x700x800, 28kg	734x870x373, 49 kg
AIR-EX-FBA-60-R410A	Zone 2	20.000 BTU / 1.7RT / 6.0kW	7.0 kW	R410A	245x1000x800, 35kg	734x870x373, 49 kg
AIR-EX-FBA-71-R410A	Zone 2	24.000 BTU / 2RT / 7.1kW	8kW	R410A	245x1000x800, 35kg	870x1100x460, 81kg
AIR-EX-FBA-10-R410A	Zone 2	35.000 BTU / 3 RT / 10kW	11 kW	R410A	245x1.400x800, 46kg	870x1100x460, 85kg
AIR-EX-FBA-12-R410A	Zone 2	43.000 BTU / 3.6RT / 12.5kW	14kW	R410A	245x1.400x800, 46kg	870x1100x460, 94kg
AIR-EX-FBA-14-R410A	Zone 2	50.000 BTU / 4RT / 14kW	16kW	R410A	245x1.400x800, 46kg	870x1100x460, 94kg