



Atexxo Manufacturing
Specialist in ATEX and IECEx Equipment



Explosion Proof Air Conditioners, ATEX Zone 2 AC Units

(Ceiling mounted units with automatic technical cooling/heating function)

Explosion Safety	CE Ex II 3G ; Ex ec h ic nC IIC T3 Gc (ready for all gasgroups IIA/IIB/IIC)
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Atexxo Manufacturing, explosion proof air conditioners (ATEX) developed for technical cooling, 24/7 operation and extreme climate conditions. These split units are designed for safe use in zone 2 gas/vapor explosive atmospheres, suitable for all gas groups including hydrogen. 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. The units are also available 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 indoor unit and explosion proof wired or wireless remote controller.

Benefits:

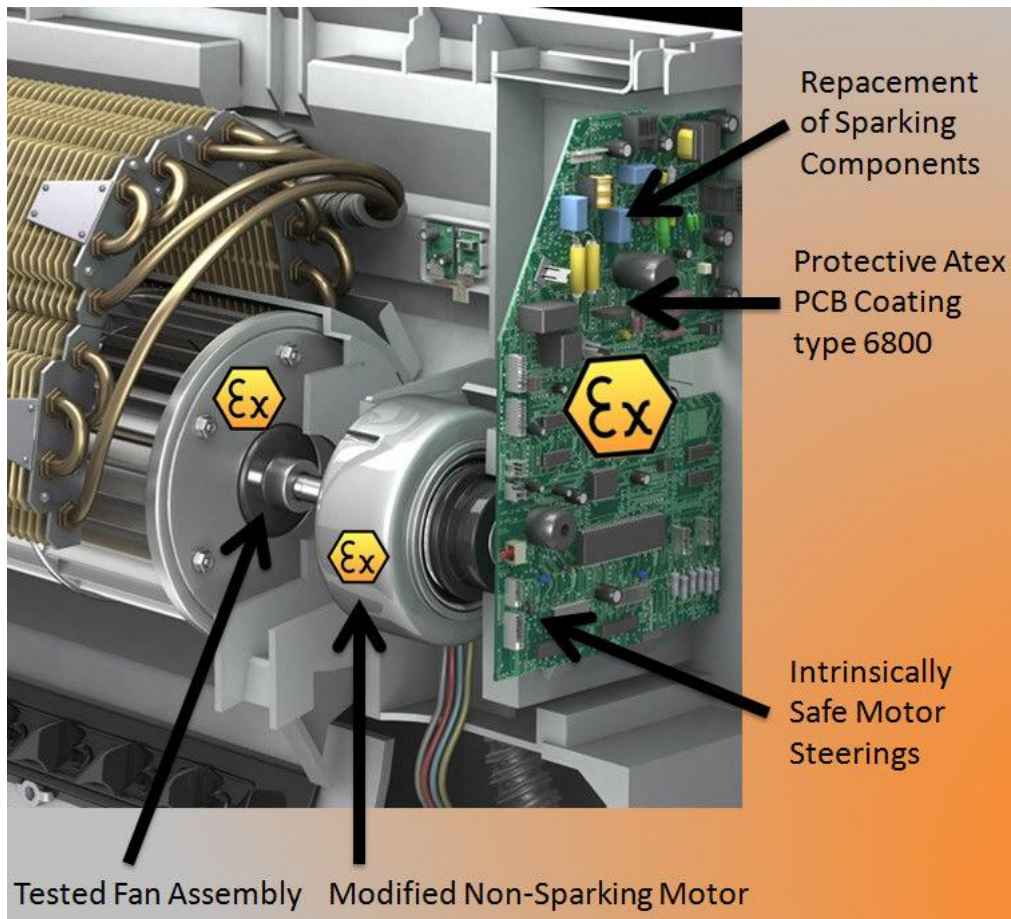
- 50/60Hz power rating
- Suitable for Extreme Climates
- Easy to install and operate
- ATEX Zone 2 Classified (Zone 22 on request)
- Hydrogen ready
- Standard "Blue Fin" anti-corrosion treatment

Applications:

- Technical Cooling / Heating
- Chemical plants and ships
- 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 indoor units. 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 AC (wider input range / 400VAC on request)
Frequency :	50/60 Hz
Type Split Unit :	FHA = Ceiling indoor unit
Refrigerant:	R32 or R410A
ATEX: for IIA / IIB / IIC	Unit Assessment Certificate: ATEX Zone 2, II 3G; Ex ec h ic nC IIC T3 Gc (IECEx certification on request)

Table below; Ordering information Atexxo Explosion Proof Air Conditioners Split AC Units Ceiling Mount

ATEX Ceiling 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-FHA-35-R32	Zone 2	12.000 BTU / 1.0RT / 3.5kW	4.0 kW	R32	235x960x690, 24kg	552x840x350, 32 kg
AIR-EX-FHA-50-R32	Zone 2	18.000 BTU / 1.5RT / 5.0kW	5.8 kW	R32	235x960x690, 25kg	734x870x373, 49 kg
AIR-EX-FHA-60-R32	Zone 2	20.000 BTU / 1.7RT / 6.0kW	7.0 kW	R32	235x1270x690, 31kg	734x870x373, 49 kg
AIR-EX-FHA-71-R32	Zone 2	24.000 BTU / 2RT / 7.1kW	8kW	R32	235x1270x690, 32kg	870x1100x460, 81kg
AIR-EX-FHA-10-R32	Zone 2	35.000 BTU / 3 RT / 10kW	11 kW	R32	235x1590x690, 38kg	870x1100x460, 85kg
AIR-EX-FHA-12-R32	Zone 2	43.000 BTU / 3.6RT / 12.5kW	14kW	R32	235x1590x690, 38kg	870x1100x460, 94kg
AIR-EX-FHA-14-R32	Zone 2	50.000 BTU / 4RT / 14kW	16kW	R32	235x1590x690, 38kg	870x1100x460, 94kg
AIR-EX-FHA-35-R410A	Zone 2	12.000 BTU / 1.0RT / 3.5kW	4.0 kW	R410A	235x960x690, 24kg	552x840x350, 32 kg
AIR-EX-FHA-50-R410A	Zone 2	18.000 BTU / 1.5RT / 5.0kW	5.8 kW	R410A	235x960x690, 25kg	734x870x373, 49 kg
AIR-EX-FHA-60-R410A	Zone 2	20.000 BTU / 1.7RT / 6.0kW	7.0 kW	R410A	235x1270x690, 31kg	734x870x373, 49 kg
AIR-EX-FHA-71-R410A	Zone 2	24.000 BTU / 2RT / 7.1kW	8kW	R410A	235x1270x690, 32kg	870x1100x460, 81kg
AIR-EX-FHA-10-R410A	Zone 2	35.000 BTU / 3 RT / 10kW	11 kW	R410A	235x1590x690, 38kg	870x1100x460, 85kg
AIR-EX-FHA-12-R410A	Zone 2	43.000 BTU / 3.6RT / 12.5kW	14kW	R410A	235x1590x690, 38kg	870x1100x460, 94kg
AIR-EX-FHA-14-R410A	Zone 2	50.000 BTU / 4RT / 14kW	16kW	R410A	235x1590x690, 38kg	870x1100x460, 94kg

Models FHA ≥ 7kw have standard, programmable duty rotation and backup functions available within the wired remote controller.