Explosion Proof Air Conditioners, ATEX Zone 2 AC Units
(Technical cooling/heating for both moderate and extreme hot/cold climates)

Explosion Safety	CE ⟨Ex⟩ II 3G ; Ex ec h ic nC IIC T3 Gc (ready for all gasgroups IIA/IIB/IIC)

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.
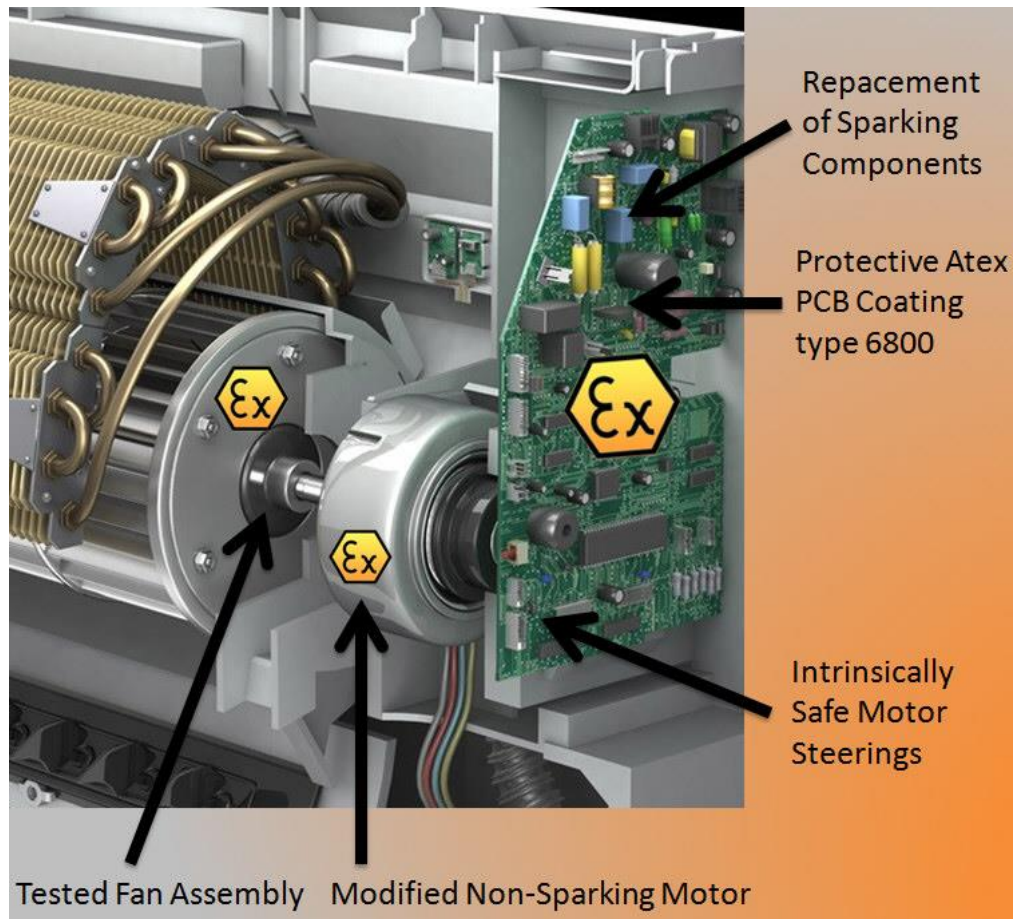
Benefits:

- 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 : DFTX / FAQ= wall indoor unit   FHQ = 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

ATEX Split Units Atexxo Manufacturing Order Number	ATEX Zone	Cooling Capacity	Heating Capacity	ATEX remote controller	Refrigerant	Dimension indoor unit HxWxD (mm) Weight (kg)	Dimension outdoor unit HxWxD (mm) Weight (kg)
AIR-EX-DFTX-35-R32	Zone 2	12.000BTU / 1.0RT / 3.5kW	4.0 kW	Wireless	R32	294x811x272, 10kg	734x870x373, 52 kg
AIR-EX-DFTX-50-R32	Zone 2	18.000BTU / 1.5RT / 5.0kW	6.0 kW	Wireless	R32	300x1040x295, 14kg	734x870x373, 52 kg
AIR-EX-DFTX-60-R32	Zone 2	20.000BTU / 1.7RT / 6.0kW	7.0 kW	Wireless	R32	300x1040x295, 14kg	734x870x373, 52 kg
AIR-EX-FAQ-71-R32	Zone 2	24.000BTU / 2.0RT / 7.1kW	8.0 kW	Wired	R32	290x1050x238, 13kg	870x1100x460, 70kg
AIR-EX-FAQ-10-R32	Zone 2	35.000BTU / 3.0RT / 10kW	11 kW	Wired	R32	340x1200x240, 17kg	870x1100x460, 92kg
AIR-EX-FHQ-12-R32	Zone 2	43.000BTU / 3.6RT / 12.5kW	14 kW	Wired	R32	235x1590x690, 38kg	870x1100x460, 92kg
AIR-EX-FHQ-14-R32	Zone 2	50.000BTU / 4.0RT / 14kW	16 kW	Wired	R32	235x1590x690, 38kg	870x1100x460, 92kg
AIR-EX-DFTX-35-R410A	Zone 2	12.000BTU / 1.0RT / 3.5kW	4.0 kW	Wireless	R410A	294x811x272, 10kg	734x870x373, 52 kg
AIR-EX-DFTX-50-R410A	Zone 2	18.000BTU / 1.5RT / 5.0kW	6.0 kW	Wireless	R410A	300x1040x295, 14kg	734x870x373, 52 kg
AIR-EX-DFTX-60-R410A	Zone 2	20.000BTU / 1.7RT / 6.0kW	7.0 kW	Wireless	R410A	300x1040x295, 14kg	734x870x373, 52 kg
AIR-EX-FAQ-71-R410A	Zone 2	24.000BTU / 2.0RT / 7.1kW	8.0 kW	Wired	R410A	290x1050x238, 13kg	870x1100x460, 70kg
AIR-EX-FAQ-10-R410A	Zone 2	35.000BTU / 3.0RT / 10kW	11 kW	Wired	R410A	340x1200x240, 17kg	870x1100x460, 92kg
AIR-EX-FHQ-12-R410A	Zone 2	43.000BTU / 3.6RT / 12.5kW	14 kW	Wired	R410A	235x1590x690, 38kg	870x1100x460, 92kg
AIR-EX-FHQ-14-R410A	Zone 2	50.000BTU / 4.0RT / 14kW	16 kW	Wired	R410A	235x1590x690, 38kg	870x1100x460, 92kg

Models FAQ and FHQ have standard, programmable duty rotation and backup functions available within the wired remote controller.