Explosion Proof Air Conditioners, ATEX Zone 2 AC Units

*(Technical cooling/heating for both moderate and extreme hot/cold climates)*

<table>
<thead>
<tr>
<th>Explosion Safety</th>
<th>ATEX ( \text{II} \ 3G \ ; \text{Ex ic nC h IIC T3 Gc} ) (ready for all gasgroups IIA/IIB/IIC)</th>
</tr>
</thead>
</table>

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.

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 integrated 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

**Refrigenant:** R32 (R410A on request)

**ATEX:** for IIA / IIB / IIC  
Unit Assessment Certificate: ATEX Zone 2, II 3G; Ex ec ic nC h IIC T3 Gc  
(IECEx certification on request)

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

<table>
<thead>
<tr>
<th>ATEX Split Units</th>
<th>Atex Zone</th>
<th>Cooling Capacity</th>
<th>Heating Capacity</th>
<th>ATEX remote controller</th>
<th>Dimension indoor unit HxWxD (mm)</th>
<th>Dimension outdoor unit HxWxD (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR-EX-DFTX-35-R32</td>
<td>Zone 2</td>
<td>12,000 BTU / 1.0RT / 3.5kW</td>
<td>4.0 kW</td>
<td>Wireless</td>
<td>294x811x272, 10kg</td>
<td>734x870x373, 52 kg</td>
<td></td>
</tr>
<tr>
<td>AIR-EX-DFTX-50-R32</td>
<td>Zone 2</td>
<td>18,000 BTU / 1.5RT / 5.0kW</td>
<td>6.0 kW</td>
<td>Wireless</td>
<td>300x1040x295, 14kg</td>
<td>734x870x373, 52 kg</td>
<td></td>
</tr>
<tr>
<td>AIR-EX-DFTX-60-R32</td>
<td>Zone 2</td>
<td>20,000 BTU / 1.7RT / 6.0kW</td>
<td>7.0 kW</td>
<td>Wireless</td>
<td>300x1040x295, 14kg</td>
<td>734x870x373, 52 kg</td>
<td></td>
</tr>
<tr>
<td>AIR-EX-FAQ-71-R32</td>
<td>Zone 2</td>
<td>24,000 BTU / 2.0RT / 7.1kW</td>
<td>8.0 kW</td>
<td>Wired</td>
<td>290x1050x238, 13kg</td>
<td>870x1100x460, 70kg</td>
<td></td>
</tr>
<tr>
<td>AIR-EX-FAQ-10-R32</td>
<td>Zone 2</td>
<td>35,000 BTU / 3.0RT / 10kW</td>
<td>11 kW</td>
<td>Wired</td>
<td>340x1200x240, 17kg</td>
<td>870x1100x460, 92kg</td>
<td></td>
</tr>
<tr>
<td>AIR-EX-FHQ-12-R32</td>
<td>Zone 2</td>
<td>43,000 BTU / 3.6RT / 12.5kW</td>
<td>14 kW</td>
<td>Wired</td>
<td>235x1590x690, 38kg</td>
<td>870x1100x460, 92kg</td>
<td></td>
</tr>
<tr>
<td>AIR-EX-FHQ-14-R32</td>
<td>Zone 2</td>
<td>50,000 BTU / 4.0RT / 14kW</td>
<td>16 kW</td>
<td>Wired</td>
<td>235x1590x690, 38kg</td>
<td>870x1100x460, 92kg</td>
<td></td>
</tr>
</tbody>
</table>

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