ATEX Zone 2, Explosion Proof Split Unit Air Conditioners

Explosion Safety:  

Atexxo Manufacturing BV converted Daikin to explosion safe ATEX split air conditioner unit, suited for zone 2 hazardous areas. The units have integrated heat pump function for both heating and cooling. The ATEX Air conditioners and ATEX split units are equipped with European approved R-410A refrigerant. ATEX Zone 2 is the European equivalent for US, NEC Class 1 Division 2 equipment. (C1D2)

Conversion to ATEX explosion safe is in line with Atexxo’s philosophy of providing excellent explosion protection while maintaining as much features of the original product as possible. This makes the ATEX Air conditioners easy to install and operate.

The sets consist of ATEX approved outdoor-, indoor unit and remote control. Versions with heating can cooling capacity ranging from 2 kW to 33 kW are available. (8,500 BTU/hr to 140,000 BTU/hr)

Atexxo Manufacturing BV provides Explosion safe conversion for other leading European HVAC products and brands, like Carrier, Mitsubishi and Toshiba on request. Cost effective ATEX Zone 2, split units.

Benefits:
- Low noise unit (dB)
- Heat pump function for heating and cooling
- Easy to install and operate
- ATEX Zone 2
- Ingress protection (IP) and impact tested

Applications:
- Gas tanker ships
- Chemical plants
- Offshore oil platforms
- Industry
- Harsh environments
Safe operations in ATEX hazardous Zone 2 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 all features of the original product. This makes the ATEX Air Conditioners easy to install and operate. ATEX Zone 2 is the European equivalent for US, NEC Class 1 Division 2 equipment. (C1D2)

The above picture demonstrates some of the protective anti-explosion measures intergraded in Atexxo’s 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.

DAIKIN
AIR CONDITIONING
Technical information

**Input Voltage:** 200-240 Volt

**Frequency :** 50Hz/60Hz

**Type Split Unit :** Wall Mounted (Ceiling mounted on request)

**Refrigirant:** R-410A

**ATEX:** Zone 2, II 3G; ic nAC IIB T3 Gc

### Table below; Ordering information

<table>
<thead>
<tr>
<th>ATEX Split Units</th>
<th>Atex Zone</th>
<th>Cooling Capacity</th>
<th>Heating Capacity</th>
<th>SCOP Ratio</th>
<th>Dimension indoor unit</th>
<th>Dimension outdoor unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Number</td>
<td></td>
<td></td>
<td></td>
<td>HxWxD (mm)</td>
<td>Weight (kg)</td>
<td>HxWxD (mm)</td>
</tr>
<tr>
<td>AIR-EX-DFTX-20</td>
<td>Zone 2</td>
<td>6.800 BTU / 0.6RT / 2.0kW</td>
<td>2.7 kW</td>
<td>4.8</td>
<td>295x780x215, 8kg</td>
<td>550x765x285, 34 kg</td>
</tr>
<tr>
<td>AIR-EX-DFTX-25</td>
<td>Zone 2</td>
<td>8.500 BTU / 0.7RT / 2.5kW</td>
<td>3.3 kW</td>
<td>4.8</td>
<td>295x780x215, 8kg</td>
<td>550x765x285, 34 kg</td>
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<tr>
<td>AIR-EX-DFTX-35</td>
<td>Zone 2</td>
<td>12.000 BTU / 1.0RT / 3.5kW</td>
<td>4.0 kW</td>
<td>4.9</td>
<td>298x900x215, 11kg</td>
<td>550x765x285, 34 kg</td>
</tr>
<tr>
<td>AIR-EX-DFTX-42</td>
<td>Zone 2</td>
<td>15.000 BTU / 1.3RT / 4.2kW</td>
<td>5.4 kW</td>
<td>4.2</td>
<td>298x900x215, 11kg</td>
<td>550x765x285, 39 kg</td>
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<tr>
<td>AIR-EX-DFTX-50</td>
<td>Zone 2</td>
<td>18.000 BTU / 1.5RT / 5.0kW</td>
<td>5.8 kW</td>
<td>4.2</td>
<td>298x900x215, 11kg</td>
<td>735x825x300, 47kg</td>
</tr>
<tr>
<td>AIR-EX-DFTX-60</td>
<td>Zone 2</td>
<td>20.000 BTU / 1.7RT / 6.0kW</td>
<td>7.0 kW</td>
<td>3.9</td>
<td>290x1050x250, 12kg</td>
<td>735x825x300, 48kg</td>
</tr>
<tr>
<td>AIR-EX-DFTX-71</td>
<td>Zone 2</td>
<td>24.000 BTU / 2.0RT / 7.1kW</td>
<td>8.2 kW</td>
<td>3.8</td>
<td>290x1050x250, 12kg</td>
<td>770x900x320, 71kg</td>
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</tbody>
</table>