



Atexxo Manufacturing
Specialist in ATEX and IECEx Equipment



Explosion Proof VRV Air Conditioning, Cooling ATEX Split Systems (For High Ambient Temperature Conditions)

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 conditioning system developed for high ambient (desert/tropical) conditions. These VRV systems are designed for safe use in zone 2 gas/vapor hazardous locations. 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-410A 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 this ATEX Explosion Proof Air conditioning system easy to install and operate.

The sets consist of one ATEX approved outdoor unit and (depending on total cooling capacity) multiple ATEX rated indoor units and one central wired remote controller. (multiple remote controllers for control in separate rooms on request)

Benefits:

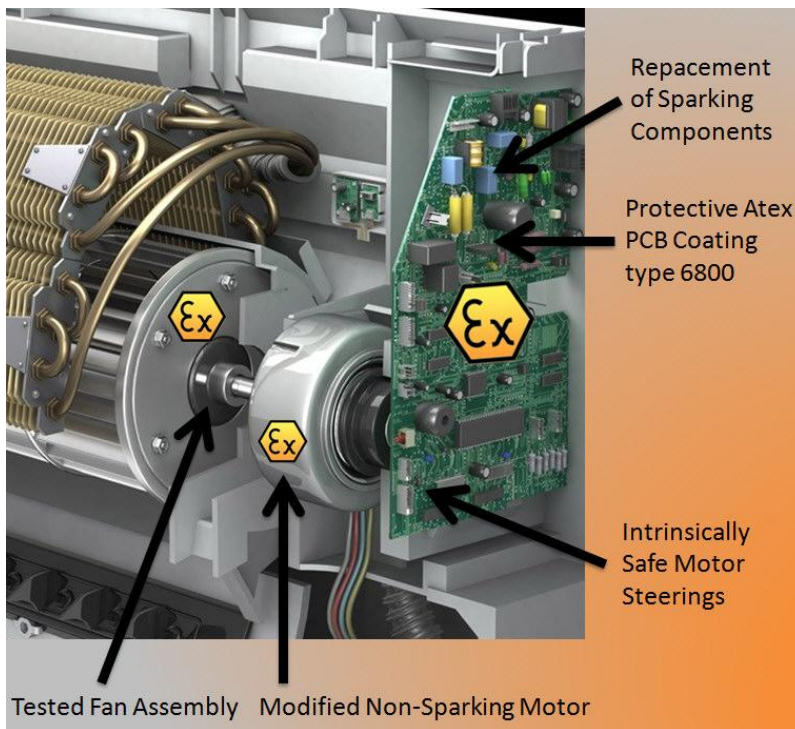
- Available in 50Hz and 60Hz
- High Ambient temperatures
- Easy to install and operate
- ATEX Zone 2 classified
- Ingress protection (IP) and impact tested

Applications:

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

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 nearly 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.



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.



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

Technical information

Voltage:	380-440 Volt (3Phase + N)
Frequency :	50/60 Hz
	FXA = Set of 3, 4 or 5x Indoor Wall Units
	FXS =Set of 2x Ducted Ceiling Units (150 Pa / Optional Fresh Air Intake)
Type Split Unit :	FXM=Set of 1x Ducted Ceiling Unit (270 Pa / Optional Fresh Air Intake)
Refrigerant:	R-410A
ATEX:	Unit Assessment Certificate: Zone 2, II 3G; Ex ec h ic nC IIC T3 Gc

Table below; Ordering information Atexxo Explosion Proof VRV Systems

ATEX VRV Systems Atexxo Manufacturing B.V.	Atex Zone	Cooling Capacity	Heating Capacity	Indoor units	Dimension indoor unit HxWxD (mm)	Dimension outdoor unit HxWxD (mm)
Order Number					Weight (kg)	Weight (kg)
Wall models						
AIR-EX-FXA-22	Zone 2	72.000 BTU / 6RT / 22 kW	22kW	Wall 7kw (3 pieces)	290x1050x238, 14kg	1430x940x320,144 kg
AIR-EX-FXA-28	Zone 2	96.000 BTU / 8 RT / 28W	28 kW	Wall 7kw (4 pieces)	290x1050x238, 14kg	1615x940x460, 175 kg
AIR-EX-FXA-33	Zone 2	113.000 BTU / 9.5 RT / 33kW	33 kW	Wall 7kw (5 pieces)	290x1050x238, 14kg	1615x940x460, 180 kg
Ducted models						
AIR-EX-FXM-22	Zone 2	72.000 BTU / 6RT / 22 kW	22kW	Ducted 22kw (1 piece)	470x1.380x1100, 132kg	1430x940x320,144 kg
AIR-EX-FXM-28	Zone 2	96.000 BTU / 8 RT / 28W	28 kW	Ducted 28kw (1 piece)	470x1.380x1100, 132kg	1430x940x320,144 kg
AIR-EX-FXS-22	Zone 2	72.000 BTU / 6RT / 22 kW	22kW	Ducted 11kw (2 pieces)	245x1.400x800, 46kg	1430x940x320,144 kg
AIR-EX-FXS-28	Zone 2	96.000 BTU / 8 RT / 28W	28 kW	Ducted 14kw (2 pieces)	245x1.400x800, 47kg	1615x940x460, 175 kg
AIR-EX-FXS-33	Zone 2	113.000 BTU / 9.5 RT / 33kW	33 kW	Ducted 16kw (2 pieces)	245x1.550x800, 51kg	1615x940x460, 180 kg