

AR-056 AIR CONDITIONER - MONOBLOCK

Zones 2

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AIR CONDITIONERS

ZONES 2 (gas)

The explosion-safe AR-056 monoblock air conditioner is designed to safely provide a pleasant climate in a room where an explosive atmosphere can arise as a result of released gas, vapor or mist. This monoblock air conditioner is mounted indoors against the wall, making it the perfect solution for situations where there is no space available to install an outdoor unit. Due to the smart design, the air conditioner is very compact and takes up little space. Also, very little space needs to be kept free around the unit, making it possible to place it almost anywhere.

The AR-056 air conditioner is delivered completely ready for use and pre-filled with refrigerant; it is not necessary to call in a refrigeration technician. The mechanical and electrical installation of the unit is very simple and can therefore be carried out quickly and efficiently. The mounting kit is included as standard.

The AR-056 monoblock air conditioner is the ideal solution for use in small spaces such as offices, laboratories, process containers and containers for the storage of chemicals. The AR-056 is explosion-safe and certified in accordance with European directive 2014/34/EU (ATEX114) and is CE marked. The air conditioner meets the requirements for product category 3G and is therefore suitable for use in an explosion-hazardous environment classified as zone 2 (gas).





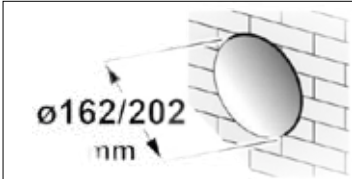
Declaration of Conformity



ITEM REFERENCES

Designation:	Description:	Item No.:
AR-056/012	Heat pump execution, cooling and heating	13A0601

TECHNICAL SPECIFICATIONS

Marking:	 II 3G Ex ec h ic mc IIB+H ₂ T3 Gc (unit)  II 3G Ex ic IIC T6 Gc (Infrared remote control)	
Certificate:	Declaration of Conformity	
Standards applied:	EN 60079-0:2018, EN 60079-7:2015 / A1:2018, EN 60079-11:2012, EN 60079-18:2015 / A1:2017, EN 80079-36:2016 and EN 80079-37:2016	
Operating temperature:	-20°C to +50°C	
Capacity:	2,7 kW cooling and 2,4 kW heating (nominal). 3,0 kW maximum cooling and heating	
Dehumidification:	1,1 l/h	
Ventilation speeds:	360, 430 and 490 m ³ /h	
Power supply:	220 / 240 VAC, 50 Hz, 1 phase	
Electric power:	1,0 kW nominal, 1,4 kW maximum	
Current:	5,0 A nominal, 6,6 A maximum	
Power connection:	Factory mounted H07RN-F cable, 3 x 1,5 mm ² , length 10 meter	
Dimensions:	902 x 506 x 229 mm	
Weight:	40 kg	
Free space:	Top side: 80 mm, down side: 100 mm, sides: 60 mm	
Wall openings:	Ø162 - Ø202 mm (2 pieces)	
Ambient temperature:	Cooling: -10 °C ... +43 °C, heating: -15 °C ... +24 °C	
Refrigerant:	R32 (0,42 kg)	
Sound level:	< 43 dB(A)	

