

Explosion-safe window air conditioners AR-054

Cooling only



Features

- ATEX certified
- CE marked
- Explosion proof for gases and vapors
- Suitable for use in Zone 2
- Compliant with the Eco-design directive
- DC inverter technology
- Only cooling
- Very compact, easy installation
- Remote control
- Environmentally-friendly refrigerant R32



II 3 G Ex ec h ic mc IIB+H2 T3 Gc



Description

Artidor's explosion-safe window air conditioners are made to safely provide a pleasant climate in an area that can contain an explosive atmosphere as a result of released gas.

Due to the use of DC inverter technology, Artidor window air conditioners meet the strict Ecodesign requirements laid down in the European directive 2009/125/EC. The offered solution is not only safe but also energy efficient.

No connections need to be made to the cooling system to install the compact window air conditioner and therefore there is no need to call in a specialized refrigeration technician. The mechanical and electrical installation of the unit is also extremely simple and can be accomplished quickly and efficiently.

The Artidor air conditioners are explosion-safe and certified in accordance with the European Directive 2014/34/EU (ATEX 114) and they are CE marked. The window air conditioners comply with the requirements for product category 3 G and are suitable for use in Zone 2.



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Technical data

Explosion Safety:	II 3 G Ex ec h ic mc IIB+H2 T3 Gc
European directives:	2014/34/EU (ATEX), 2014/30/EU (EMC) and 2009/125/EC (EcoDesign)
Applied standards:	EN 14986:2017, 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
Certification:	EU Declaration of Conformity / Unit Assessment Certificate
Supply voltage:	230 VAC
Mains frequency:	50 Hz
Connection:	Fixed power cable 3 x 1.5 mm ² , 5 meters
Ambient temperature:	-20 °C to +45 °C
Operational temperature:	+18 °C to +43 °C
Remote control:	Infrared remote control supplied as standard
Refrigerant:	R32

Order codes

Order code / type number	Capacity cooling [kW]	Capacity range [kW]	Fuse rating [A]	Electric power [kW]	SEER	Sound pressure [dB(A)]	Air flow [m ³ / hour]
AR-054/030	2.75	0.5 – 3.2	10	0.81	5.1	45 / 47 / 49	310 / 350 / 380
AR-054/040	3.70	0.6 – 4.0	10	1.09	5.1	45 / 47 / 49	400 / 450 / 490

Options

Part number	Description
AR-054/990	Blygold PoluAl XT coating of the heat exchanger fins for increased corrosion resistance

Dimensions and weight

Order code / type number	Height [mm]	Width [mm]	Depth [mm]	Weight [kg]
AR-054/030	375	560	710	34
AR-054/040	428	660	700	46