

# AR-051 AIR CONDITIONER

Zones 2

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## MISCELLANEOUS

## ZONES 2 (gas)

The AR-051 explosion-safe air conditioners are based on the Toshiba RAV range and are made to safely ensure a good climate in an area where a release of gas, vapor or mist could possibly cause an explosive atmosphere (Zone 2). The units are widely used in office spaces, offshore temporary living quarters, crane cabins and at the storage of chemicals and flammable substances.

The AR-051 air conditioners are explosion-safe and certified in accordance with European directive 2014/34/EU (ATEX 114) and are CE marked. The systems can consist of a combination of explosion-safe and non-explosion-safe units, depending on the zoning of the area where the units are placed. During the conversion of the units to explosion-safe, the greatest possible attention is given to the maintainability and ease with which the units can be installed. The functionality remains completely intact.






Declaration of Conformity

### ITEM REFERENCES

Designation:	Item No.:
AR-051/0713 CS	13A0101

### TECHNICAL SPECIFICATIONS

Marking:	 II 3G Ex ec h ic mc IIC T3 Gc (external unit)  II 3G Ex ec h ic IIC T4 Gc (internal unit)  II 3G Ex ic IIC T6 Gc (infra-red remote control)
Certificate:	Declaration of Conformity
Standards applied:	Conformity: European directive 2014/34/EU (ATEX 114) Standards: EN 60079-0:2018, EN 60079-7:2015 / A1:2018, EN 60079-11:2012, EN 60079-18:2015 / A1:2017, EN 80079-36:2016 y EN 80079-37:2016
Capacity:	6,7 kW nominal cooling 7,7 kW nominal heating
Power supply:	230 V / 1 ph / 50 Hz
Power consumption:	451 kWh cooling/yr 1828 kWh heating/yr
Fuse rating:	16 A
Air flow:	720 / 1.200 m3/h
Dimensions:	Outdoor unit (H x W x D): 550 x 780 x 290 mm Indoor unit (H x W x D): 256 x 1000 x 750 mm
Weight:	Outdoor unit: 44 kg Indoor unit: 30 kg
Piping size:	3/8" x 5/8"
Max. piping length:	30 m
Refrigerant:	R32