



TADIRAN AIROW 3™

Mini Splits Spec Sheet

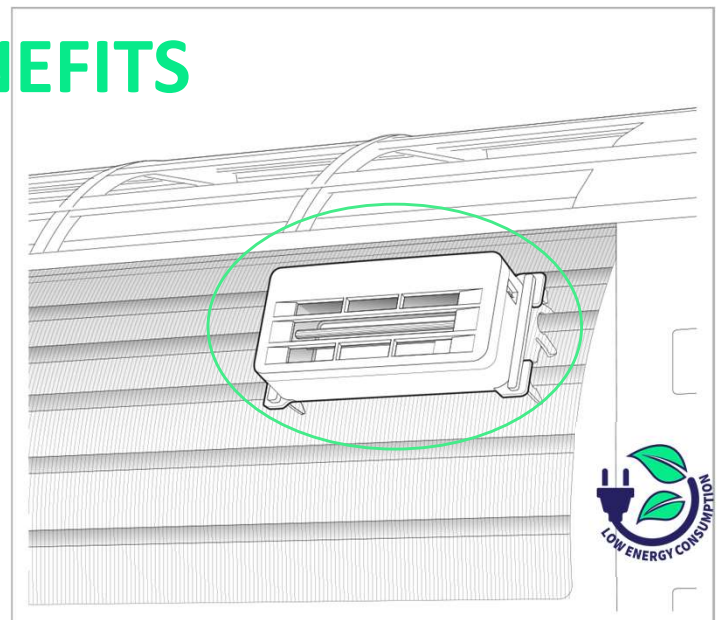
Tadiran Technologies introduces TADIRAN AIROW 3™, a unique air purification technology that proactively treats every cubic inch of air-conditioned space. The TADIRAN AIROW™ technology breaks Oxygen (O₂) into two separate “O” atoms by using a discharge current. These free O atoms combine with the H₂O molecules in the airflow and transform into hydrogen peroxide (H₂O₂). The H₂O₂ is then distributed through the indoor unit of the air conditioner into the conditioned living space, deactivating a wide range of microorganisms, including bacteria, viruses and mold [1].

The TADIRAN AIROW 3™ builds the conditions in the room for effective treatment of almost 100% of bacteria, viruses and mold with a lasting effect of up to 24H[2].

Designed to fit fan coils, heat pump PTACs, ductless mini splits and VRF ductless split systems

TECHNOLOGY & BENEFITS

- Eliminates **up to 99.994%** of bacteria, viruses and mold[1] [2], Patented method of use
- Tested and approved by **FDA-cleared** testing lab
- **Best-in-class air purification technology**, treats the air with a proactive approach that eliminates viruses wherever they are
- **Maintenance free**
- **Built-in monitoring unit** for operation indication/BMS integration capability
- **Lasting effect**, even when AC is off
- **Easy to install in high walls and PTACs**, seamlessly fits into the indoor unit’s inlet
- **Applicable anywhere:** residential, schools, new construction, hospitality, senior living, and more



Bioaerosol Type	Species	Testing Lab	%Reduction
Virus	RNA Virus - MS2 Bacteriophage	Aerosol Research and Engineering Laboratories	99.994% [1]
Bacteria	Staphylococcus Epidermis Vegetative (+)	Aerosol Research and Engineering Laboratories	99.994% [1]

[1]TADIRAN AIROW reduced MS2 levels by 99.994% in 1 hour (1 cubic meter test chamber).
TADIRAN AIROW reduced Staphylococcus Epidermidis by 99.994% in 1 hour (1 cubic meter test chamber).

[2] https://www3.epa.gov/pesticides/chem_search/cleared_reviews/csr_PC-000595_12-Jul-07_a.pdf



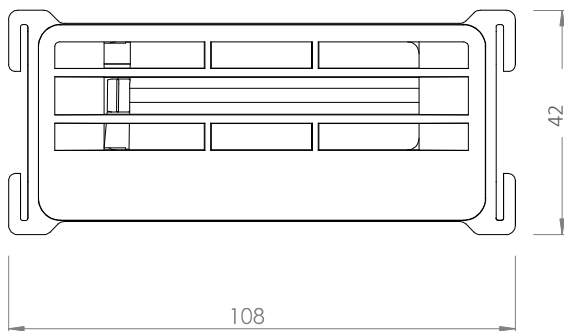
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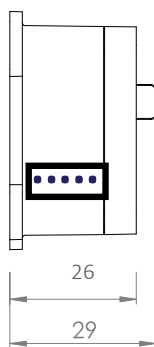
KEY FEATURES



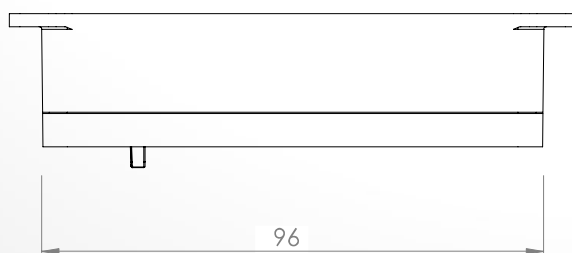
● Front View



● Side View



● Top View



*Dimensions are in mm

Parameters	Value
Weight	100g
Dimensions	96X42X26 mm (Net)
Housing Material	ABS Plastic, White Color
Operation Temperature	-5°C to +55°C
Operation Humidity (Non-Condensing)	20%-80%
Input Voltage	12 VDC ± 10%
Power Consumption	1 W Max
Air Velocity	Min 1m/Sec
Air Flow Capacity	Up to 1600 CFM
Indication LED	Green / Red Indication for Proper Operation
Maintenance	Zero Maintenance
Ozon Emission	<=5 ppb
Hydrogen Peroxide Level	<=15ppb
Warranty	3 Year Product Warranty

[3] *Independent tests commissioned by Tadiran showed that TADIRAN AIROW 3™ technology eliminated known aerosolized pathogens under optimal testing conditions. To learn more about the tests, visit www.tadiran-international.com/scientific-testing.