

Air Conditioning Solutions for Defense Applications

Cool Solutions for
Hot Problems





Introduction

The field of Air Conditioning for ground defense applications has earned TAT a reputation of supplier of highly reliable and affordable cooling solutions remarkable for its performance and simplicity.

TAT manufactures a comprehensive line of AC Systems for any application where heat removal is essential. Simple installation, maintenance and easy integration make our systems user-friendly. All our Systems meet the requirements of applicable Military Standards (MIL-STD-810, MIL-STD-461) and serve around the world in extreme conditions. Our Air Conditioning Units are typically installed on Military Communication Shelters, Mobile Shelters, Military Tents, Armored Vehicles, Radars etc.



- **Low Weight and Compact Dimensions**
- **NBC Protected**
- **EMI/RFI Compatible (MIL-STD-461)**
- **Environmental Conditions Approved (MIL-STD-810)**
- **Produced per Military Standards**
- **Quality Assurance per ISO 9001:2000, AS 9000, EN 9100**
- **Easy Installation and Maintenance**
- **Remarkable Thermal Performance**



Vertical Package Air Conditioning Systems

Cooling Capacity

System Type: EAC-12÷43 12,000-43,000 BTU/H (3.5÷12.6 kW)

Cooling capacity at ambient temperature 35°C (95°F) and room conditions 26°C at 50 %RH (80°F DB / 67°F WB).

Power supply

1Ph, 220V, 50Hz

3Ph, 380V, 50Hz

1Ph, 110V, 60Hz

3Ph, 208V, 60Hz

Other options are available

Dimensions

Type: EAC-12, 18 H956, W414, D406 mm

EAC-24 H1122, W414, D524 mm

EAC-36, 43 H1550, W500, D526 mm

Features

- NBC Protected
- Remote Control Unit
- Heating Element
- Fresh Air Intake
- EMI/RFI Protection





Horizontal Package Air Conditioning Systems

Cooling Capacity

Roof Mounted System Type HOR-12÷18: 12,000-18,000 BTU/H (3.5-5.3 kW)

Wall Mounted System Type HOR-12÷24: 12,000-24,000 BTU/H (3.5-7 kW)

Cooling capacity at ambient temperature 35°C (95°F) and room conditions 26°C at 50 %RH (80°F DB / 67°F WB).

Power supply

1Ph, 220V, 50Hz

3Ph, 380V, 50Hz

1Ph, 110V, 60Hz

3Ph, 208V, 60Hz

Other options are available

Dimensions

Roof Mounted type HOR-12÷18 H600 L1000, W450mm

Wall Mounted type HOR-12÷24 H490 L830, W810mm

Additional Features

- NBC Protected
- Remote Control Unit
- Heating Element
- Fresh Air Intake
- EMI/RFI Protection

Wall Mounted ▼



Roof Mounted ▲





Split Air Conditioning Systems

Cooling Capacity

Type EAC-12S÷36S: 12,000-36,000 BTU/H (3.5-10.5kW)

Type EAC-36S÷50: 60,000 BTU/H (17.6kW)

Cooling capacity at ambient temperature 35°C (95°F) and room conditions 26°C at 50 %RH (80°F DB / 67°F WB).

Power Supply

1Ph, 220V, 50Hz

3Ph, 380V, 50Hz

1Ph, 110V, 60Hz

3Ph, 208V, 60Hz

Other options are available

Dimensions

EAC-12S, 18S Outdoor H822, W464, D435 mm
Indoor H524, W414, D380 mm

EAC-24S Outdoor H820, W414, D500 mm
Indoor H585, W414, D389 mm

EAC-36S, 43S Outdoor H1029, W500, D500 mm
Indoor H861, W500, D510 mm

EAC-36S-50 Outdoor H1285, W990, D1340
Indoor H2000, W842, D760

Additional Features

- Remote Control Unit
- Heating Element
- EMI/RFI Protection





Armored Vehicles and Custom Made Air Conditioning Solutions

TAT is capable of providing the most efficient custom-made cooling solutions for a variety of application where heat removal is essential.

We may offer a wide range of highly reliable and affordable custom-made Military Air Conditioning Units featuring high performance and simplicity.

Our special ACU have been installed on armored vehicles and many unique military applications all over the world including Ground Aviation Equipment (400 Hz) and Ground Forces.





NBC System

The NBC Filtration and Ventilation System provides full protection from NBC warfare substances. The unit is a positive pressure system and creates over pressure in the compartment, thus preventing the penetration of contaminated air and relieving the occupants from wearing gas masks and protective clothing.

This NBC Filtration and Ventilation System, supplies clean fresh air to the Shelter during peace or during conventional combat times and filtrated fresh air in NBC warfare time.

The purified air exhausts through an overpressure valve, which regulates the positive pressure in the compartment.

The Pressure Gage & Alarm Kit measuring the indoor and outdoor differential pressure, and warning in case of cabin pressurization failure.

Type	Ventilation Mode m ³ /h	Filtration Mode m ³ /h	Fan & Filters Dimensions H/D - mm
NBC-001	100	50	390/300



TAT Technologies Ltd.

Mail us:

Re'em Industrial Park
POB 80, Gedera 70750 Israel

Call us:

Main Tel: +972-8-8628-500
Fax: +972-8-8621-500

Email us: tat@tat-technologies.com

www.tat-technologies.com

