



ENVIRONMENTAL CONTROL SYSTEMS FOR DEFENSE APPLICATIONS

RIGID SHELTERS & CONTAINERS | ARMORED VEHICLES | SOFT SHELTERS & TENTS



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TAT TECHNOLOGIES COMPANY PROFILE

Established in 1969, TAT Technologies designs, develops, and manufactures customized heat management solutions, including: air-air, air-oil, and fuel-oil heat exchangers; cold plates; and complete cooling systems for the most challenging airborne and ground applications. TAT also designs and manufactures flight critical accessories, including fuel control valves and pumps, as well as a proven line of robust military vapor cycle air conditioning systems for shelters, tents and vehicles.



Our worldwide customer base includes a broad range of leading commercial and military organizations. Our ability to provide clients with optimized, high quality solutions, on-time and to specification, has facilitated the establishment of long term relationships and enabled TAT to achieve a global reputation as a market leader for flight critical products.

TAT understands that its value proposition to its customers should not be limited to excellent performance and competitive pricing for OEM products; but rather must also include superior aftermarket service for maintenance, repair and overhaul (MRO), including the 24/7 availability of spare parts. This effort is supported by our US subsidiaries Limco Airepair and Piedmont Inc., providing a global reach to serve aircraft manufacturers, airlines and support centers in the US, Europe, Asia and the Pacific Region.

TAT Technologies is headquartered in Gedera, Israel. Together with our US and Israeli subsidiaries, we employ over 600 dedicated personnel. We are a public company with shares traded on the NASDAQ stock exchange (ticker "TATT") and thus provide our customers with complete transparency.

TAT Technologies offers "Cool Solutions for Hot Problems". If you are looking for Reliability, Commitment, Expertise and Dedication, TAT Technologies is your perfect Address.



INTRODUCTION

With remarkable performance proven worldwide under the most demanding conditions, our highly reliable, maintainable and affordable cooling systems have enabled TAT to achieve an enviable reputation in the field of Environmental Control Systems (ECS) for defense applications.

TAT manufactures a comprehensive line of robust ECS for any application where heat removal is required. Easy installation, maintenance and integration make our systems exceptionally user-friendly. All our systems are designed to meet the requirements of applicable Military Standards (MIL-STD-810, MIL-STD-461) and operate under extreme conditions. Typically installed on military communication shelters, mobile shelters (hospital, command & control, communication, StaComm, etc.), military tents, armored vehicles, radar systems, launchers and others,

TAT is able to deliver customized solutions to meet our customers' most challenging requirements.

TAT ECS feature the following:

- 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



HORIZONTAL PACKAGE ECS

ECS FOR RIGID SHELTERS & CONTAINERS

Cooling Capacity

Roof Mounted ECS type HOR-12/18:
12,000-18,000 BTU/H
(3.5-5.3 kW, 1-1.5 TR)

Wall Mounted ECS type HOR-12/24:
12,000-24,000 BTU/H
(3.5-7 kW, 1-2 TR)

Power supply

1Ph, 230V, 50Hz
3Ph, 400V, 50Hz
1Ph, 110V, 60Hz
3Ph, 208V, 60Hz

Dimensions

Roof Mounted type HOR12/18:
W450xD1000xH600 mm
(W17.7xD39.7xH23.6 in.)

Wall Mounted type HOR12/24:
W810xD830xH490 mm
(W31.9xD32.7xH19.3 in.)

Features

- NBC Protected
- Fresh Air Intake
- EMI/RFI Protection
- Hot Gas Bypass



VERTICAL PACKAGE ECS

ECS FOR RIGID SHELTERS & CONTAINERS

Cooling Capacity

Type: EAC-12-43: 12,000-43,000 BTU/H
(3.5-12.6 kW, 1-3.5 TR)

Power supply

1Ph, 230V, 50Hz
3Ph, 400V, 50Hz
1Ph, 110V, 60Hz
3Ph, 208V, 60Hz

Dimensions

EAC-12/18: W414xD405xH956 mm
(W16.3xD15.9xH37.6 in.)

EAC-24: W414xD524xH1124 mm
(W16.3xD20.6xH44.3 in.)

EAC-36/43: W500xD526xH1550 mm
(W19.7xD20.7xH61.0 in.)

Features

- NBC Protected
- Fresh Air Intake
- EMI/RFI Protection
- Hot Gas Bypass



ECS FOR ARMORED VEHICLES

Featuring the same high performance, robust build, and easy maintenance as our stationary systems, TAT's automotive ECSs have been chosen worldwide for installation on several armored vehicles.

Applications vary from main battle tanks and armored personnel carriers through to ground aviation equipment (400 Hz).

TAT has the experience, engineering capability, and manufacturing infrastructure required to deliver optimized solutions on time and to specification.

ECS FOR SOFT SHELTERS & TENTS

Cooling Capacity

Split EAC-12S/36S: 12,000-36,000 BTU/H
(3.5-10.5 kW, 1-3 TR)

Pakcage EAC-60: 60,000 BTU/H
(17.6 kW, 5 TR)

Power Supply

1Ph, 230V, 50Hz

3Ph, 400V, 50Hz

1Ph, 110V, 60Hz

3Ph, 208V, 60Hz

Dimensions

EAC-12S/18S:

Outdoor, W464xD435xH822mm
(W18.3xD17.1xH32.4 in.)

Indoor, W414xD380xH524 mm
(W15xD16xH20.6 in.)

EAC-24S:

Outdoor, W414xD500xH820 mm
(W16.3xD19.7xH32.3 in.)

Indoor, W414xD389xH585 mm
(W16.3xD15.3xH23 in.)

EAC-36S/43S:

Outdoor, W500xD500xH1029mm
(W19.7xD19.7xH40.1 in.)

Indoor, W500xD510xH861mm
(W19.7xD20.1xH33.9 in.)

EAC-60: W1320xD1,066xH635 mm
(W52xD42xH25 in.)

Features

EMI/RFI Protection

Hot Gas Bypass

