



ATS-RC1010™

Compact Refrigeration Module

The ATS-RC1010™ is a compact refrigeration module with a cooling capacity of 100-700W, operating with a 24V DC power source.

The unit weighs 4.35kg and is readily transported to where refrigeration is required. The unit's compact size of 330x200x180mm enables the ATS-RC1010 to be easily implemented in a variety of applications from defense, industrial, biomedical or communication electronics amongst many others. The ATS-RC1010 can be customized to any client's specifications.



**Image for illustration purposes only*

ATS-RC1010 Specifications

Compressor	QX2802VDL-T	Cooling Capacity	100~700W
Refrigerant	R290	Capillary Tube	Φ2 * 0.8 m
Rated Voltage	24V	Temperature Range	-16°C ~ 30°C (3°F ~ 86°F)
Voltage Range	20V - 26V	Noise	40↓dB(A)
Work Current Range	1.0 ~ 8.3 A	Motor Speed	1,800 ~ 4,500 RPM
Max Current	12 A	Net Weight	4.35 kg
Vibration	≤ 0.65 m/s ²	Dimensions	330 x 200 x 180 mm (13.0 x 7.9 x 7.1 in)

» Compact Design

Small form factor enables ready implementation into electronics enclosures

» High-capacity Cooling

Up to 700W of cooling with 24VDC power requirement

» Digital Control

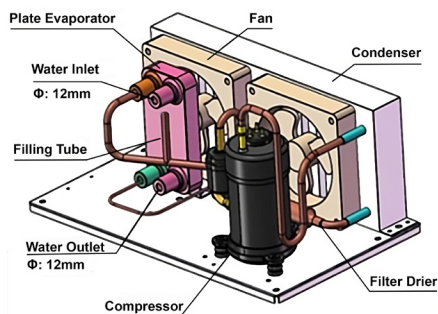
ATS-RC1010 is equipped with a digital controller, providing the user to the ability to adjust the speed of the compressor. A digital interface allows for other controls as needed.

» Low Acoustic Noise

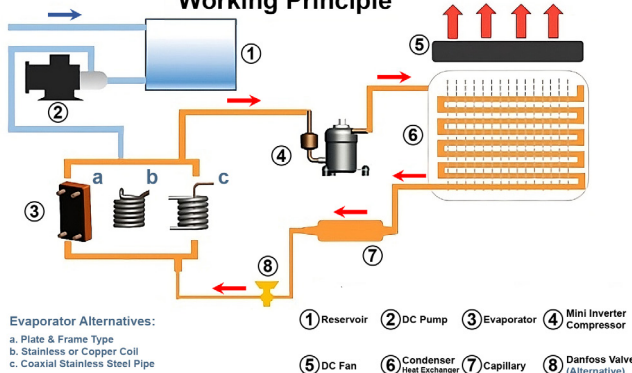
Noise levels less than 40db, making it ideal for applications such as biomedical or defense where noise is concern.

» Flexible Usage

ATS-RC1010 can be used in air or liquid cooling applications depending on system requirements. It can be used to provide chilled liquid or air.



Working Principle



APPLICATIONS

Any application where temperature control of cooling is required.

- » Edge Servers
- » Medical Diagnostic Equipment
- » Industrial Computing Systems
- » MIL/Aero Equipment

For further technical information, please contact Advanced Thermal Solutions, Inc. at 1-781-769-2800 or ats-hq@qats.com