

TT-Series

Direct-Fired Heating, Cooling and Ventilation Systems



- Improved indoor air quality – Helps dilute and expel airborne contaminants making exhaust systems operate more efficiently.
- Superior ventilation – System can be designed to automatically modulate outdoor air volume from 20% to 100% to meet ventilation requirements in cold weather and decrease heat buildup in warm weather.
- Consistent temperatures and less stratification – Optional cooling effectively reduces indoor air temperatures to help keep people and processes productive.
- Customization - Broad range of sizes and options.
- Cost savings – Heating systems deliver 100% of the heat generated into the building resulting in energy savings.
- Flexibility and convenience – Heating systems require little to no ductwork and can be installed indoors or outdoors.
- Evaporative and mechanical cooling packages available.



CANADA: 100% OUTSIDE AIR ONLY

612.338.1401

WEATHER-RITE™ TT-Series

WEATHER-RITE™ TT-Series air handlers improve indoor air quality and provide air comfort.

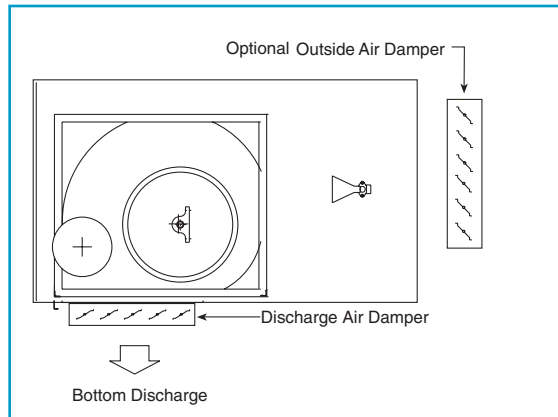
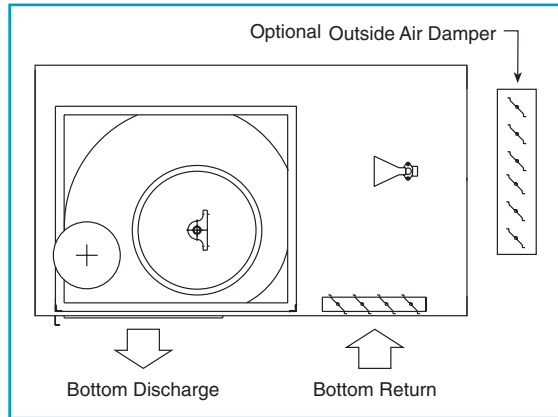
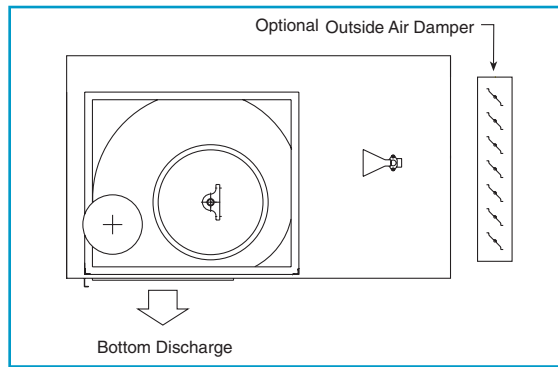
WEATHER-RITE™ TT-Series air handlers can be designed to efficiently establish and maintain a slightly pressurized condition in your facility as outdoor air is gently tempered and, as required, mixed with existing indoor air.

NOTE: All models are available in upright or horizontal, as well as indoor or outdoor configurations.

Model	TT112	TT115	TT118	TT212	TT215	TT218	TT221	TT224	TT230	TT233	TT236
CFM	1,600 - 4,000	2,250 - 6,000	5,000 - 10,000	3,600 - 8,000	5,000 - 12,000	9,000 - 20,000	10,000 - 30,000	25,000 - 45,000	30,000 - 60,000	40,000 - 75,000	50,000 - 85,000
Output [MBH]*	20,000 - 500,000	20,000 - 500,000	50,000 - 150,000	35,000 - 999,000	50,000 - 150,000	70,000 - 200,000	100,000 - 300,000	140,000 - 4,000,000	200,000 - 6,000,000	300,000 - 8,000,000	300,000 - 9,000,000

*1 MBH = 1,000 Btu/h

Model Configurations



Make-Up Air (MUA) Models

Design: 100% replacement air with a fixed discharge air volume.

Function: Supplies direct replacement air for building mechanical exhaust.

Application: Used as make-up air for industrial processes which incorporate mechanical exhaust.

Air Management (AM) Models

Design: Variable outdoor air from 20% to 100% and a modulating burner with a 20:1 turn-down ratio. Discharge air volume is fixed.

Function: Automatically responds to building pressure and temperature needs.

Application: Used in industrial and commercial buildings that have air quality and specific air management requirements.

Variable Air Volume (VAV) Models

Design: 100% replacement air with variable discharge air volume from 25% to 100% of total capacity.

Function: Provides efficient, low-cost heating where minimum ventilation rates are required.

Application: Used in warehouses, distribution centers, retail outlets, etc.

WEATHER-RITE™ TT-Series Features

Reliable, Efficient System Operation Provided by:

- Fully modulating burner that maintains 100% combustion efficiency.
- Double-width, double-inlet, forward-curved Class 1 blower wheel built for long life.
- Energy-saving ignition system.
- System that puts 100% of the available heat in the airstream, not out a flue.
- Remote control panel for easy operation and remote temperature adjustment.
- Electronic fuel modulation providing immediate response.
- Temperature dial for quick, easy adjustment.
- Operation of fan only in warm weather to enjoy free ventilation cooling.
- Compliance to ETL per ANSI Z83.18 or Z83.4 standards.

Ease of Maintenance Provided by:

- Large access panels for easy maintenance of blower, motor, drives and burner.
- Blower installed downstream of burner for convenient access.

Long Lasting Construction Provided by:

- Heavy-duty, corrosion-resistant, welded steel construction.
- Finishing process that includes unit washing, phosphatizing, priming and painting.
- Heavy-duty, factory-installed motor and drive package designed for long-lasting performance.
- Heavy-duty, pre-lubricated bearings provide up to 30,000 hours of ABMA L-10 performance.

Other TT-Series Options:

- 16" or 24" roof curb simplifies rooftop mounting.
- Inlet hood protects against water entrainment.
- Filter section with 30% pleated polyester or permanent filters for longer equipment life of internal components.
- Motorized inlet and discharge dampers for exfiltration control.
- FM/IRI compliant gas trains.
- Upright heater stand or legs.
- Service Platform.

TT-Series Conventional Controls' Options:

- Low-temperature automatic shutdown.
- Space temperature control for added comfort.
- 7-day time clock.
- Remote Control Panel with summer/off/winter switch for easy operation.
- Mild weather stat.

WEATHER-RITE™ TT-Series Optional Cooling Packages

Evaporative Cooling

WEATHER-RITE™ TT-Series evaporative cooling system is an economical solution. It requires no air-cooled condenser, no chiller or cooling tower, no chilled water pumps or distribution piping/insulation, no major motor control center or electrical gear. Operating costs are a fraction of similar-capacity mechanical refrigeration systems.

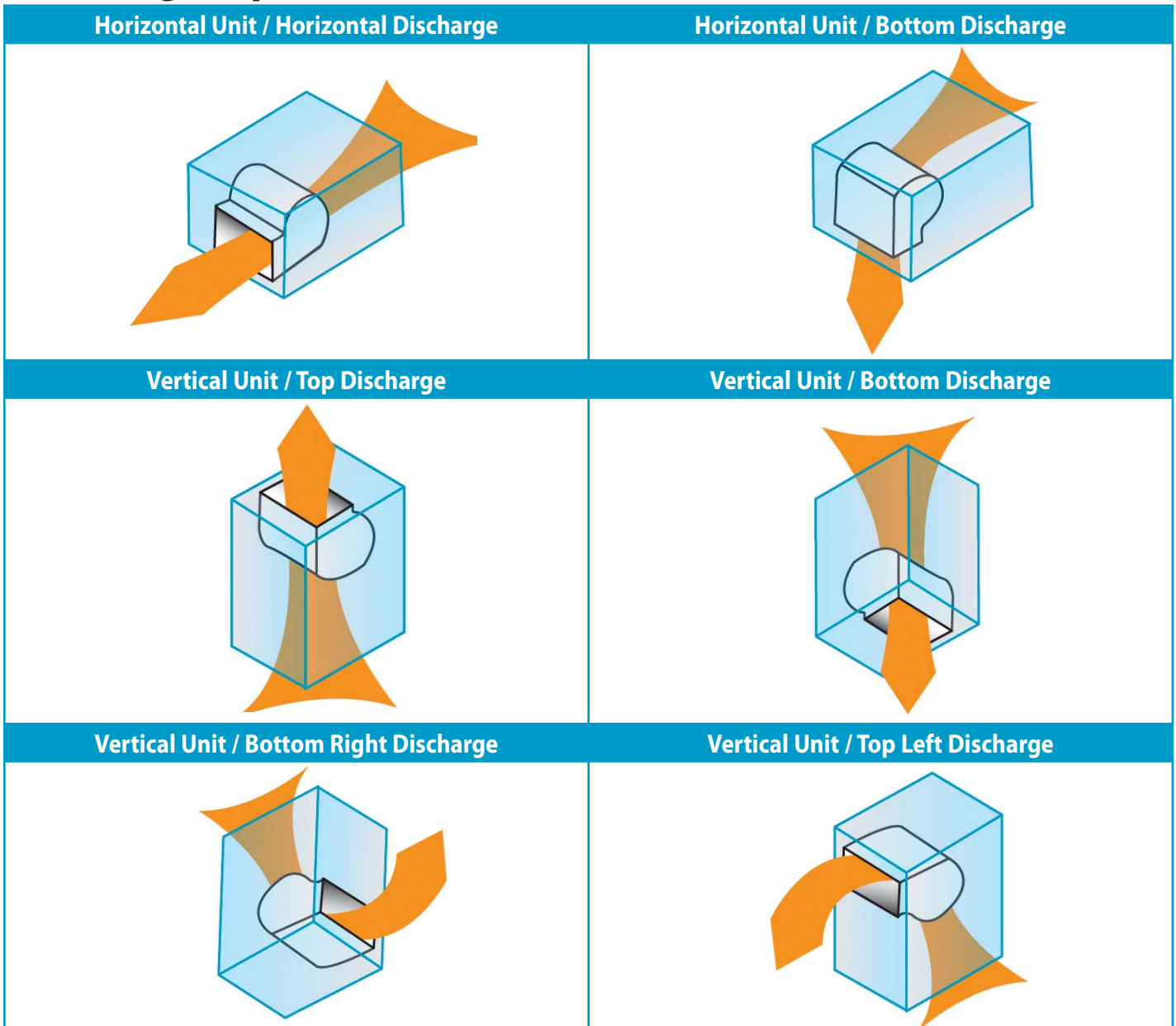
Evaporative cooling works when warm air passes over specially treated wetted media. The heat passes from the air to the wetted media, causing the water to evaporate and inside air to cool.

Mechanical Cooling

For situations requiring temperature and humidity levels lower than the performance parameters available with outdoor air alone or with evaporative cooling, WEATHER-RITE™ TT-Series offer a broad range of cooling options.

Cooling options can be added by simply installing one of our coil sections equipped with the appropriate cooling coils and a condensing unit or chiller. The versatility afforded by the coil section enables you to utilize DX refrigerant, chilled water or other types of cooling coils in your system.

Discharge Options



Installation Code and Annual Inspections:

All installations and service of WEATHER-RITE™ equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Weather-Rite LLC and conform to all requirements set forth in the WEATHER-RITE™ manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Weather-Rite LLC recommends that a qualified contractor annually inspect your WEATHER-RITE™ equipment and perform service where necessary, using only replacement parts sold and supplied by Weather-Rite.

Further Information: Applications, engineering and detailed guidance on system design, installation and equipment performance is available through WEATHER-RITE™ representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

This product is not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgement.

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