

## Direct-Fired Heating, Ventilation and Pressurization Systems



### XT-Series

- **Can assist in improved indoor air quality** - Pressurization can help exhaust systems operate more efficiently.
- **Augment existing ventilation system** - Air handler can be designed to automatically modulate outdoor air volume from 20% to 100% to help meet ventilation requirements in cold weather and decrease heat buildup in warm weather.
- **Operation flexibility** - Fan only operation allows free ventilation cooling, reducing indoor air temperatures to help keep people and processes productive.
- **Flexibility and convenience** - Heating systems require little to no ductwork and can be installed indoors or outdoors.

**1.800.589.3691**  
**[www.weather-rite.com](http://www.weather-rite.com)**



CANADA: 100% OUTSIDE AIR ONLY

# WEATHER-RITE™ Commercial-Grade, Make-Up Air Units

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

WEATHER-RITE™ XT-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.

Model	XT112	XT115	XT118	XT125	XT130	
CFM	1,000 - 4,000	4,000 - 10,000	7,000 - 14,000	12,000 - 25,000	25,000 - 40,000	
Output [MBH]*	NG	97 - 389	432 - 800	456 - 1,404	1,296 - 2,700	2,700 - 4,320
	LPG	76-302	346-800	605-1,210	1,037-2,160	2,160-3,456

\* 1 MBH = 1,000 Btu/h. Output range indicates range maximum temperature rise.

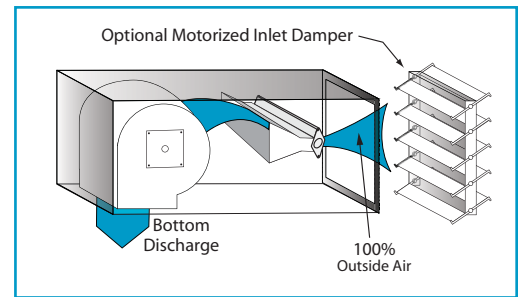
## Model Styles

### Make-Up Air (MUA)

**Design:** 100% outdoor 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.

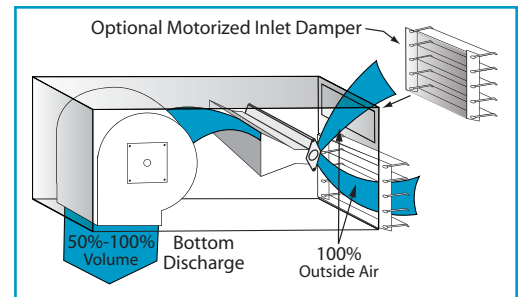


### Variable Air Volume (VAV)

**Design:** 100% outdoor air with variable discharge air volume from 50% to 100% of total capacity.

**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.

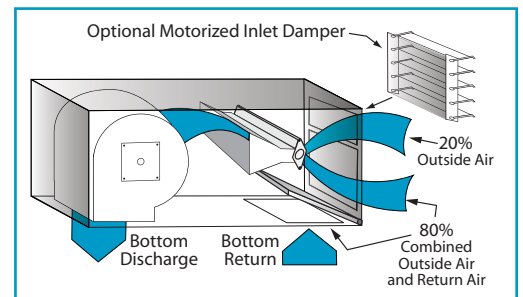


### Air Management (AM)

**Design:** Variable outdoor air/return air ratio within the range of 100% outdoor air/0% return air to 20% outdoor air/80% return air. 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.

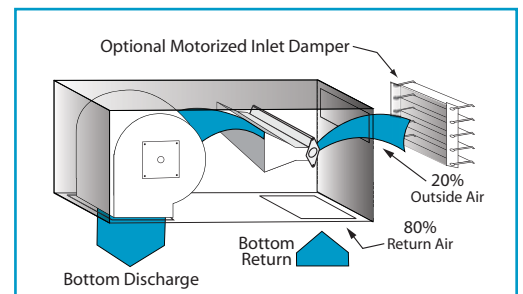


### Fixed Recirculation (FR)

**Design:** Fixed 80% return air and 20% outdoor air. Discharge air volume is fixed.

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

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



# WEATHER-RITE™ XT-Series Features

## Reliable, Efficient System Operation Provided by:

- 30:1 fully modulating burner that maintains 100% combustion efficiency.
- Double-width, double-inlet, forward-curved centrifugal fan built for long life.
- Energy-saving ignition system.
- Electronic fuel modulation providing immediate response.
- UV scanner for excellent reliability and durability. (Not available on XT112).
- Operation of fan only in warm weather to enjoy free ventilation cooling.
- Compliance to ETL per ANSI Z83.18 or Z83.4 standards.

## Long Lasting Construction Provided by:

- Heavy-duty, corrosion-resistant, galvanized steel construction.
- Sturdy, integral frame that is screwed and bolted together for durability and longer service life.
- Unpainted galvanized steel or white finishes available.
- 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.

## XT-Series Controls Options:

- Discharge temperature or room temperature controls available.
- Interlock to existing building management system or other remote devices.
- Mild weather stat.
- Low-temperature stat with bypass timer.

## Ease of Maintenance Provided by:

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

## Other XT-Series Options:

- 19" (48 cm) roof curb simplifies rooftop mounting.
- Inlet hood protects against water entrainment and is available with permanent filters, bird screen or moisture limiter media.
- Filter section with disposable or permanent filters for longer equipment life of internal components.
- Motorized inlet damper for exfiltration control.
- FM compliant gas trains.
- Upright heater stand or legs of varying heights.

## Installation Options

Mezzanine-Supported	Roof-Mounted	Upright Indoor	
Suspended (Wall or Roof Inlet)	Horizontal on Legs (Indoor or Outdoor)	Upright Outdoor	
<b>LEGEND</b>	OA = Outside Air	DA = Discharge Air	RA = Return Air

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

# WEATHER-RITE™ XT-Series Controllers



**Basic Remote**

This control is used for make-up air and space heating. The discharge temperature of the heater remains constant as selected on the selection dial. The burner flame is modulated by a discharge temperature control, which is governed by the remote temperature selector.

**FAN ON/BURNER ON Mode:**

Heater can operate continuously for building exhaust air replacement and space heating by maintaining a constant discharge temperature.

**FAN ON/BURNER OFF Mode:**

The blower can operate without the burner for summer ventilation.

**Dimensions:**

10" (25.4 cm) L x 10" (25.4 cm) W x 4" (10.2 cm) D NEMA 1 enclosure.



**Standard Discharge Control Remote (SDC)**

This control is used for make-up air and day/night heating of the building. The discharge temperature of the heater remains constant as selected on the selection dial. The burner flame is modulated by a discharge temperature control, which is governed by the remote temperature selector.

**AUTO/WINTER Mode:**

Heater cycles on/off to maintain space temperature as selected on the thermostat.

**ON/WINTER Mode:**

Heater can operate continuously for building exhaust air replacement and space heating by maintaining a constant discharge temperature.

**ON/SUMMER Mode:**

The blower can operate without the burner for summer ventilation.

**Dimensions:**

10" (25.4 cm) L x 10" (25.4 cm) W x 4" (10.2 cm) D NEMA 1 enclosure.



**Deluxe Temperature Control Remote (DTC)**

This control is used for make-up air and total automatic "day/night" heating of the building. A solid-state modulating room Selectrastat fully modulates the burner flame to maintain space temperature and compensate for changing building heat losses or gains.

**AUTO/WINTER Mode:**

Occupied time: Heater can operate continuously, fully modulating Btu/h output to maintain space temperature as selected on the Selectrastat.

Unoccupied time: Heater cycles on/off to maintain space temperature as selected on the programmable thermostat (night setback).

**ON/WINTER Mode:**

Heater can operate continuously, fully modulating Btu/h output to maintain space temperature as selected on the Selectrastat.

**ON/SUMMER Mode:**

The blower can operate without the burner for summer ventilation.

**Dimensions:**

10" (25.4 cm) L x 10" (25.4 cm) W x 4" (10.2 cm) D NEMA 1 enclosure.

**Installation Code and Annual Inspections:**

All installation 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, operation and labeling of the equipment. To help facilitate optimum performance and safety, Weather-Rite LLC recommends that a qualified contractor conduct, at a minimum, annual inspections of your WEATHER-RITE™ equipment and perform service where necessary, using only replacement parts sold and supplied by Weather-Rite LLC.

**Further Information:** Applications, engineering and detailed guidance on systems 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 are not for residential use.**

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

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