

XT-Series Direct-Fired Heating, Cooling and Pressurization Systems



- Improved indoor air quality – Can help to dilute airborne contaminants making 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.
- Cost savings – Heating systems deliver 100% of the heat generated into the building resulting in energy savings.
- Operational 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



CANADA: 100% OUTSIDE AIR ONLY

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

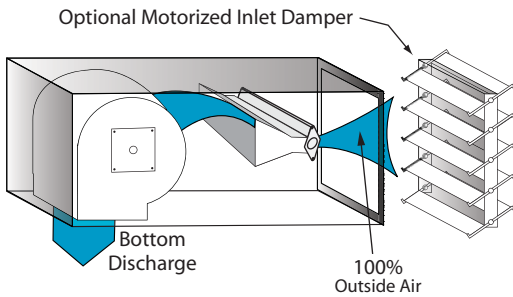
WEATHER-RITE™ XT-Series air handlers can be designed to efficiently establish and maintain a slightly pressurized condition in your facility as outdoor air is gently tempered and, as required, mixed with existing indoor air.

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

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)*	110 - 400	440 - 756	760 - 1,500	1,300 - 2,700	2,700 - 4,100

*1 MBH = 1,000 Btu/h

Model Configurations

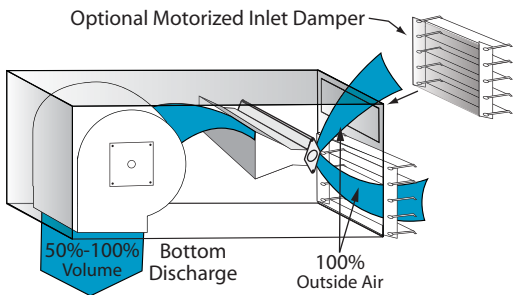


Make-Up Air (MUA) Models

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) Models

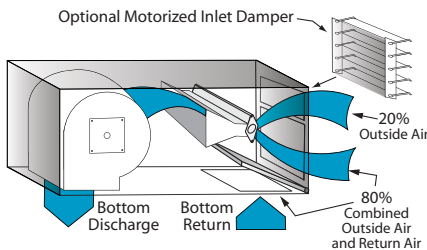
(Not available on Model XT112)

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

Function: Automatically responds to building pressure needs.

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

XT 115-118



Air Management (AM) Models

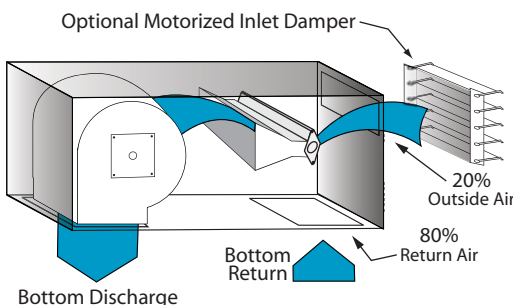
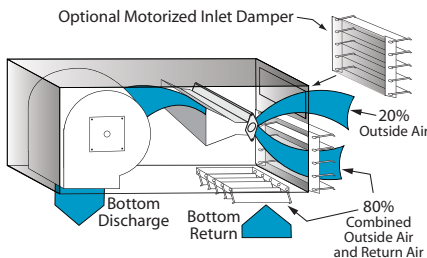
(Not available on Model XT112)

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

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.

XT 125-130



Fixed Recirculation (FR) Models

(Not available on Model XT112)

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.
- Remote Control Panel for easy operation and remote temperature adjustment.
- Electronic fuel modulation providing immediate response.
- UV scanner for excellent reliability and durability on Models XT115 - XT130.
- 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 panel for easy maintenance of blower, motor, drives and burner.
- Blower installed downstream of burner for convenient access.

XT-Series Conventional Controls' Options:

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

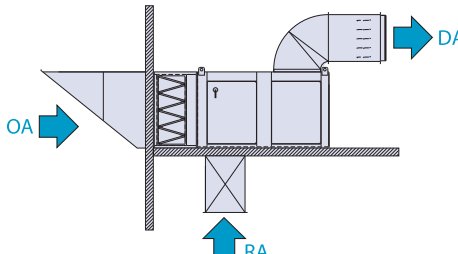
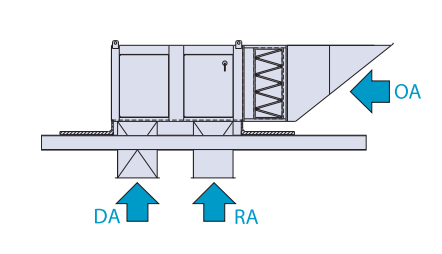
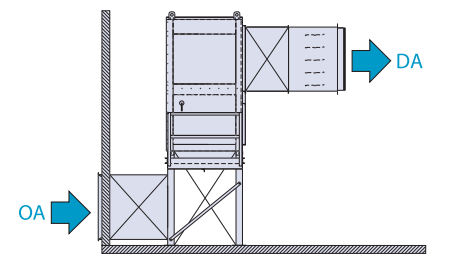
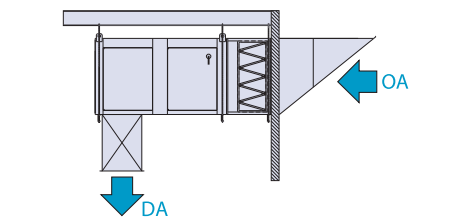
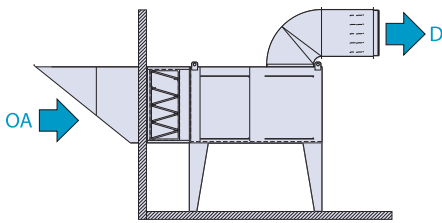
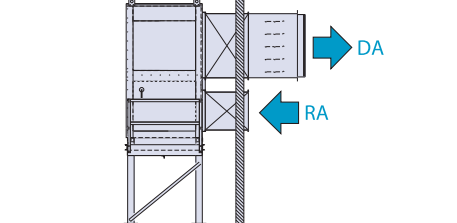
Other XT-Series Options:

- 19" roof curb simplifies rooftop mounting.
- Inlet hood protects against water entrainment.
- Filter section with polylink or aluminum filters for longer equipment life of internal components.
- Motorized inlet damper for exfiltration control.
- FM/IRI compliant gas trains.
- Upright heater stand or legs of varying heights.

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 (XT112 in white only).
- 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.

Typical Installations

Suspended (Wall or Roof Inlet)	Horizontal on Roof Curb (Outdoor)	Upright Indoor		
				
Suspended (Wall or Roof Inlet)	Horizontal on Legs (Indoor or Outdoor)	Upright Outdoor		
				
LEGEND	OA = Outside Air		DA = Discharge Air	RA = Return Air

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"L x 10"W x 4"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"L x 10"W x 4"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 Selectrstat 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 Selectrstat.

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 Selectrstat.

ON/SUMMER Mode:

The blower can operate without the burner for summer ventilation.

Dimensions:

10"L x 10"W x 4"D NEMA 1 enclosure.

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 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 is not for residential use.

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

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