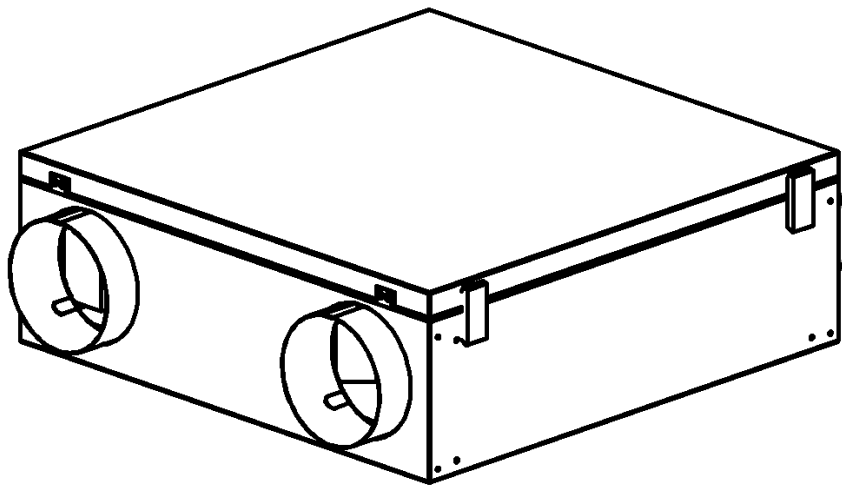


H Series Residential and Light Commercial Units

- Designed for indoor applications in residential and light commercial applications
- Compact form factor minimizes space, fits into tight spots
- Efficient and long-lasting brushless DC fans save space and increase reliability



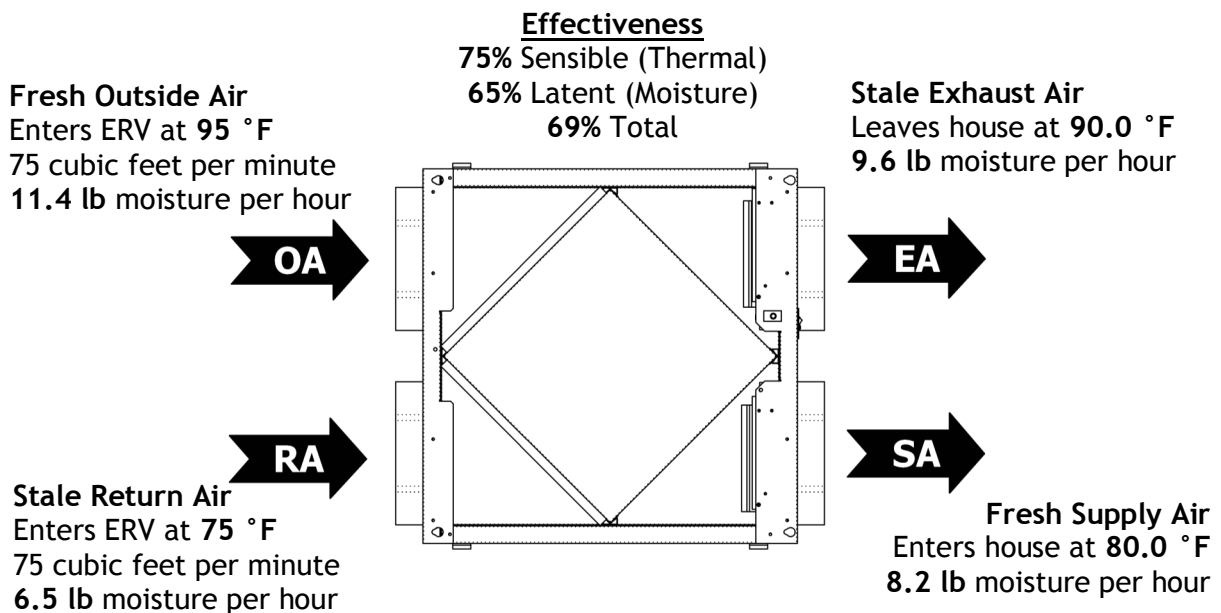
ver.5.3

Improving Indoor Air Quality

The H Series provides a premium performance product for the rapidly expanding residential and light commercial energy recovery market. The inherent focus on reliability in these buildings gives fixed plate ERVs a substantial advantage over devices with moving parts, while the high latent transfer ensures energy efficiency.

The compact H75i unit that meets the ASHRAE 62.2 minimums for the majority of the houses sold. The ConsERV™ C75 core in the H75i offers 61% latent effectiveness at 75 SCFM.

Example: H75i operating at 75 SCFM



During the peak summer conditions shown above, the ConsERV™ exchange core

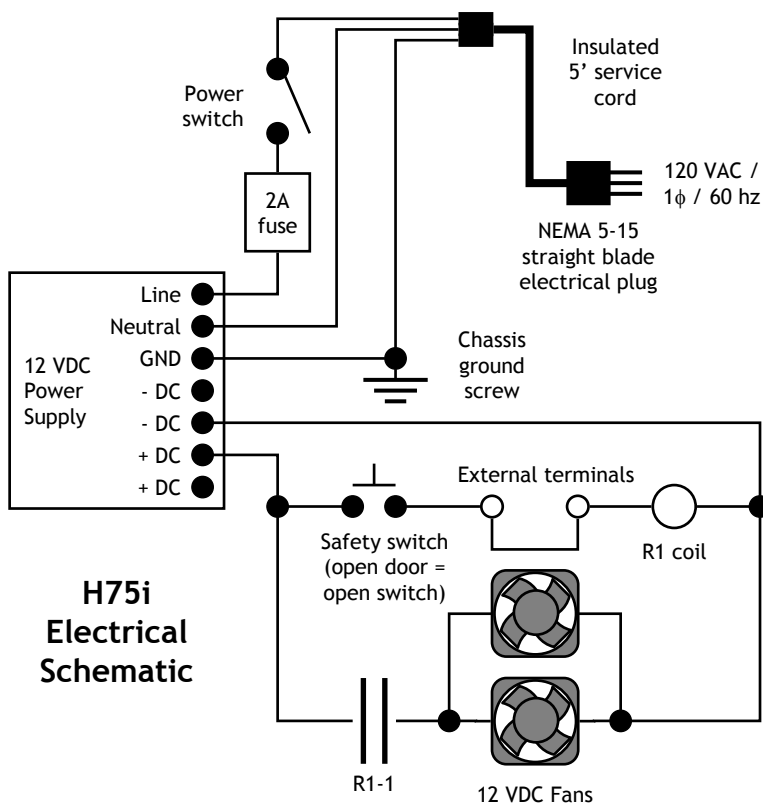
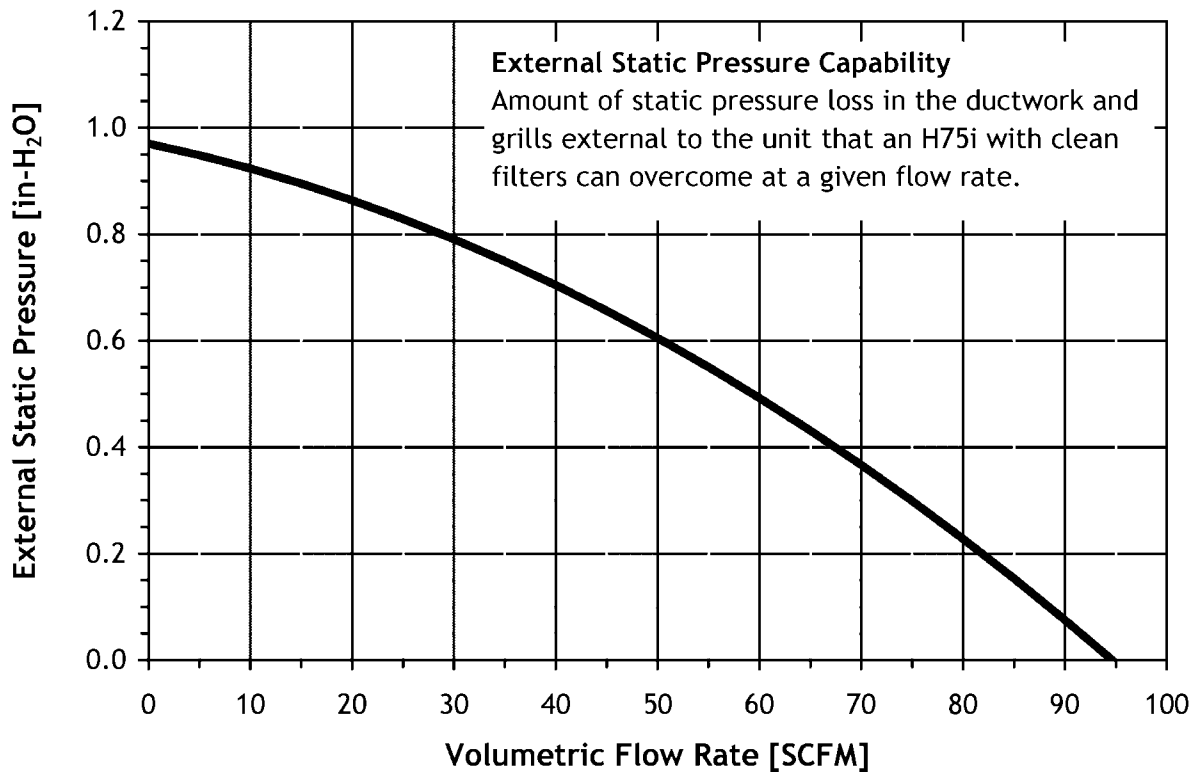
- Exchanges 4500 cubic feet of stale air per hour for fresh, filtered outside air.
- Cools the incoming air 14.2 °F before it enters the conditioned space.
- Removes 3.2 lb of moisture per hour from the incoming fresh air and transfers it to the exhaust air, where it harmlessly leaves the house.
- Saves electricity that would have required 0.61 lb/hr of CO₂ emissions to generate if the ventilation air was cooled with a 13 SEER air conditioning system instead of a ConsERV™.

In the winter the nanotechnology polymer transfers heat and moisture the opposite direction, using the warm, humid exhaust air to heat and humidify the incoming fresh air.

A single ConsERV™ unit changes the air in a house multiple times per day.

- Every 4 hours for an 1800 square foot house with 10' ceilings.
- Every 6 hours for a 2700 square foot house with 10' ceilings.
- Every 4 hours for a 3600 square foot house with 10' ceilings.

H75i Residential System



Specifications	
Weight	27 lb
Air Flow	75 SCFM nominal, 94 SCFM maximum
Voltage	120 VAC
Circuit	60 hz, single phase
Power	90 W
FLA	0.75 A
MCA	1.0 A
MOP	15 A
Cord	5' long, grounded plug
Certification	AHRI 1060 certified ETL listed
Filters	Washable polyester fiber
Insulation	1" fiberglass (4.2 R-value)
Control	Rocker switch and external terminals operate internal relay

NOTES:

SYSTEM IS INTENDED FOR INDOOR USE ONLY.

- OA - OUTSIDE AIR INTAKE [FRESH AIR]
- SA - SUPPLY AIR EXIT [FRESH AIR]
- RA- RETURN AIR INTAKE [STALE AIR]
- EA - EXHAUST AIR EXIT [STALE AIR]

AIR STREAMS ARE **NOT** INTERCHANGEABLE AND INPUTS SHOULD **NOT** BE REVERSED DURING INSTALLATION.

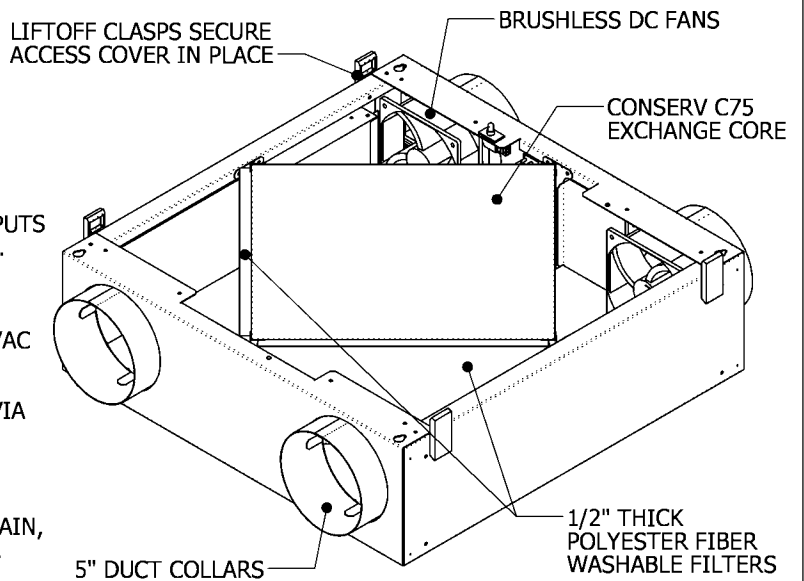
SYSTEM WEIGHT = 27 LB.

ELECTRICAL CONNECTION VIA 60" INSULATED 115 VAC SERVICE CORD (INCLUDED BUT NOT SHOWN).

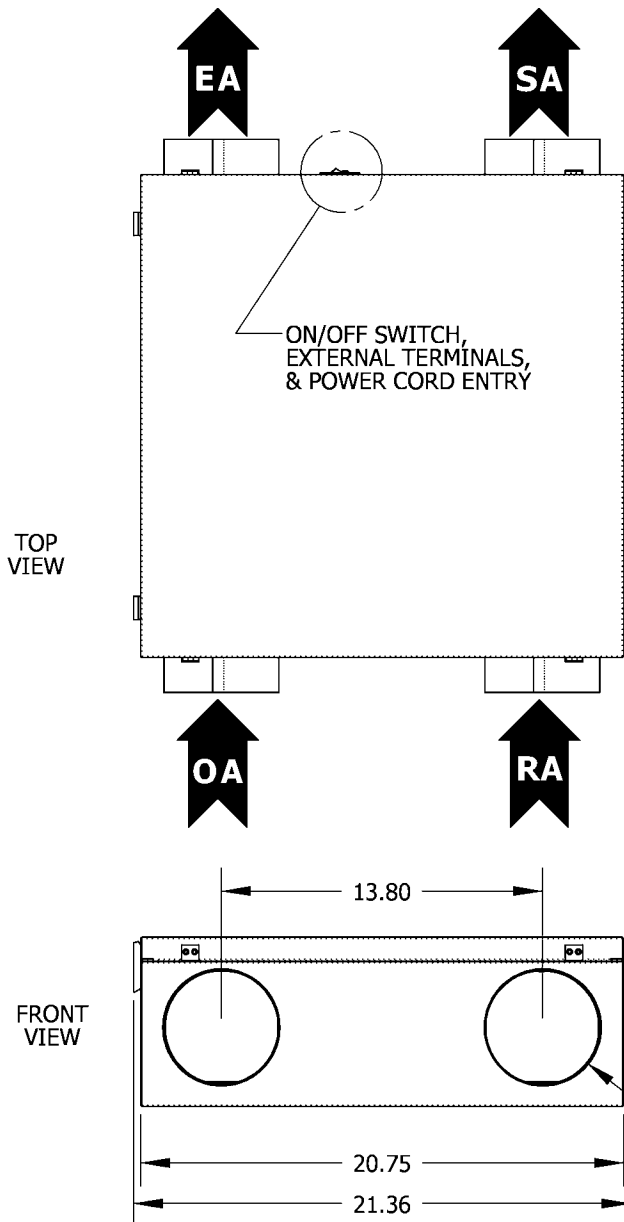
MANUAL ON/OFF SWITCH OR REMOTE OPERATION VIA RELAY AND EXTERNAL TERMINALS PROVIDED.

1" THICK FIBERGLASS INSULATION IS STANDARD.

INSTALLATION KIT INCLUDES 72" OF MOUNTING CHAIN, FOUR BRACKETS AND SCREWS TO ATTACH TO UNIT.



SHOWN WITH ACCESS COVER REMOVED



NOTES:

UNIT CAN BE MOUNTED AND OPERATED IN ANY ORIENTATION.

ACCESS COVER CAN BE INSTALLED IN ANY OF FOUR DIRECTIONS TO KEEP GRAPHICS IN PROPER POSITION.

RETAINING POSTS ON THE ACCESS COVER AND KEYHOLE SLOTS IN THE MAIN UNIT PREVENT ACCIDENTAL DISLODGMET OF THE ACCESS COVER WHEN UNLATCHED.

SIZE A	REV. 1	MODIFIED 1/14/2009	RESIDENTIAL ERV SYSTEM		MODEL H75i
www.conserv.com		DO NOT SCALE DRAWING	60	DIMENSIONS IN INCHES	www.conserv.com

ConsERV™ C75 Core

Fixed Plate Enthalpy Exchange Core

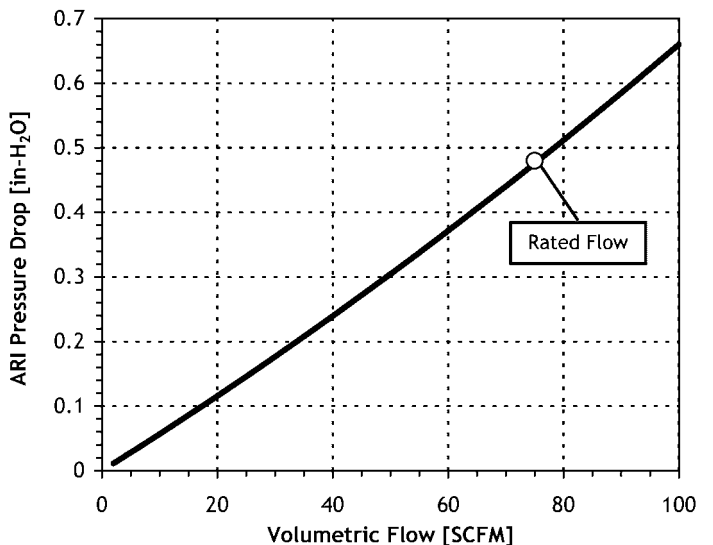
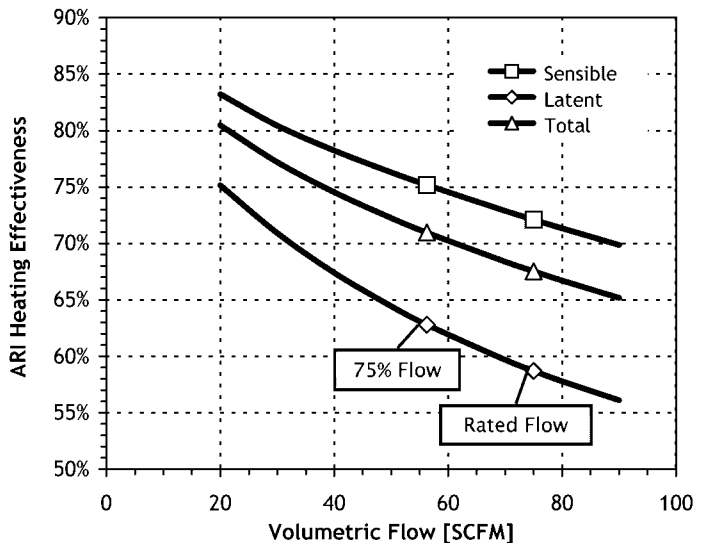
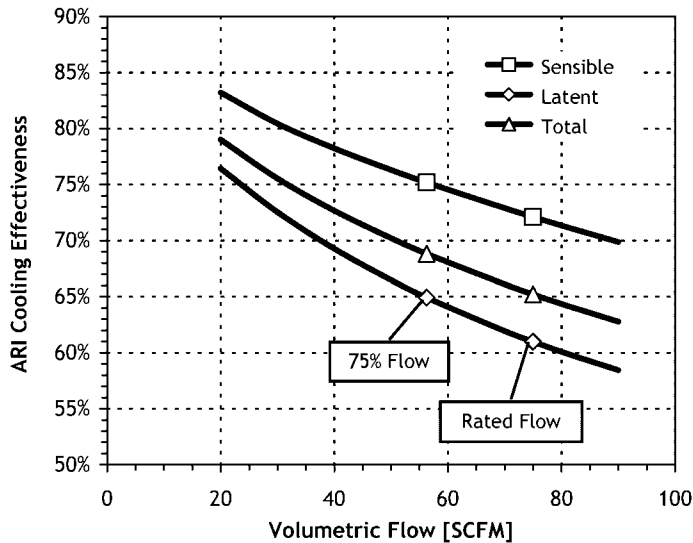
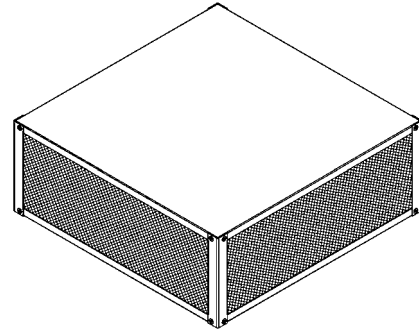
Dimensions: 13 1/16" x 13 1/16" x 5"

Weight: 8 lb

Performance: AHRI 1060 Certified

Safety: Submitted for UL 900 Recognition
Complies with UL 94 HB and 5V

Warranty: Limited 10 year, refer to Warranty document for details and exclusions





Certificate of Product Ratings

AHRI Certified Reference Number: 3276383 Date: 6/23/2010 †Status: Active

Product: Component Air-to-Air Energy Recovery Ventilator

Model Number: C75

Manufacturer: DAIS ANALYTIC CORPORATION

Trade/Brand name: CONSERV

Rated as follows in accordance with AHRI Standard 1060-2005 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Product Type: Plate Leaving Supply Air Flow (SCFM): 75
 Pressure Drop (inches): 0.48 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	0.00	1.00	N/A
Test 2:	0.00	0.00	1.02	N/A
Test 3:	0.50	0.00	1.05	N/A

Thermal Effectiveness Ratings at 0" Pressure Differential

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	72	59	68
75% Air Flow Heating	75	63	71
100% Air Flow Cooling	72	61	65
75% Air Flow Cooling	75	65	69
	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	72	59	68
75% Air Flow Heating	75	63	71
100% Air Flow Cooling	72	61	65
75% Air Flow Cooling	75	65	69

A * following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate.

† Models with an 'Active' status are those that are currently in production. Models with a 'Discontinued' status are those that the manufacturer has elected to stop producing, yet stock is still available. Models with an 'Obsolete' status are those that the manufacturer is required to stop manufacturing due to an AHRI certification program test failure.

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The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.



2009 Air-Conditioning, Heating, and Refrigeration Institute

CERTIFICATE NO.: 129217905538017984

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Tech@ConsERV.com

or

727-375-8484 x230

Please visit us at

www.ConsERV.com

to find out more about ConsERV™ technology
and to locate your local
ConsERV™ Manufacturer's Representative

Or Write us at:

Dais Analytic Corporation
11552 Prosperous Dr.
Odessa, FL 33556

ConsERV™ products provide...

- High latent heat transfer = high performance
- Improved indoor humidity and moisture control
- Peak demand and overall energy savings
- Excellent part load performance
- No rotating parts in the component - low maintenance
- No drain pans to worry about
- Safe downsizing of HVAC plants