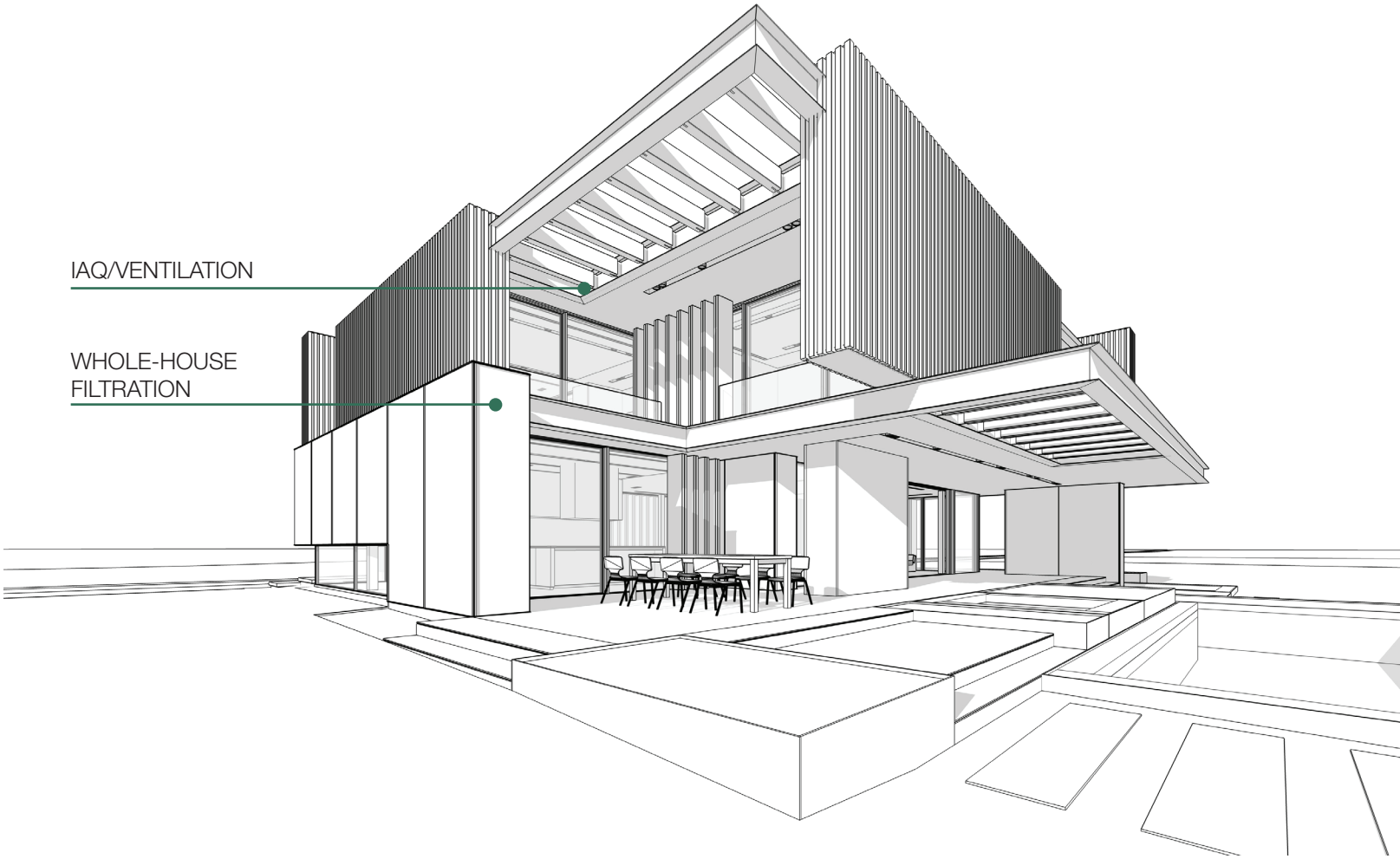
Greentek®

Heat and Energy Recovery Ventilators

SOLACE®, PREMIER, PROFILE Series



SOLACE®

The **SOLACE®** platform includes both ERV and HRV models, giving builders and contractors the flexibility to meet ventilation needs in any climate.

Designed for energy-efficient homes, SOLACE delivers continuous fresh air while balancing comfort, performance, and space-conscious design.

- Round metal duct connections with rubberized duct seals
- Plastic collar shrouds with integrated backdraft prevention
- Removable screw terminal for easy connection with external access
- Top-port design fits in tight spaces
- Includes chains and wall bracket
- Counterflow core (ERV) transfers both heat and humidity
- Counterflow core (HRV) transfers heat only
- Electrical box external access with easy connectors
- Multiple speed operation
- Internal recirculation defrost
- Injected foam cabinet UL rated with improved aerodynamics, insulation and sound proofing
- Optional MERV 8 and MERV 13 Filters
- -EC Energy-efficient motors

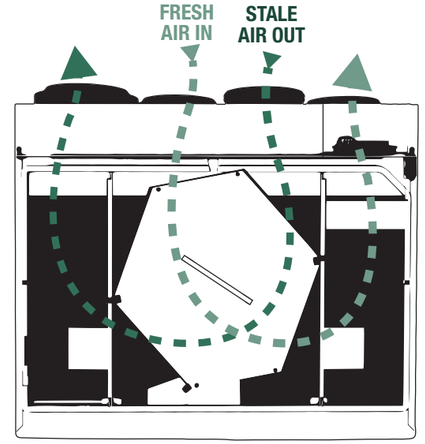
BIM Objects available (.RFA and .DXF files)

Single Family Home

SOLACE SERIES

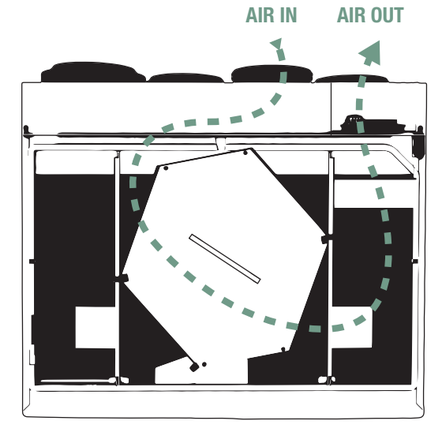
Compact by Design. Powerful by Nature.

Built for high performance and quiet operation, these ENERGY STAR® certified HRV/ERV deliver powerful airflow in a compact top-port design. Whether it's a smarter replacement or a brand-new solution, it's ventilation that's ready for anything.



Counterflow Core

- More efficient than cross-flow
- Exceptional sensible recovery up to 85%



Recirculation Defrost

- Most energy efficient frost prevention
- Ideal for high humidity indoor conditions or colder outdoor conditions

Recommended Control*

STS IAQ, Multi-Function Controller with a Volatile Organic Compound (VOC sensor)

- Recognizes the presence of cleaning solvents, cooking odors, or various compounds during large family gatherings
- Increases appliance's airflow capacity based on the total VOC levels
- Helps the appliance replace contaminated air with fresh air
- Can be customized based on user preferences

*__SOLACE®__ is compatible with all controls

WHAT SETS **SOLACE®** APART?

Counterflow core

Optional MERV 8 and MERV 13 Filter

Top-ported

Greentek

PREMIER

PREMIER is designed for high static pressure applications that demand high efficiency. The product is equipped with an automatic defrost mechanism that is activated when outdoor air temperature drops to 23°F (-5°C) or lower. During the defrost cycle, the supply air fan shuts down while the exhaust air fan switches into high speed to maximize the effectiveness.

The appliance features an efficient cross-flow exchanger with SRE up to 75%, standard MERV 3 filters, a hanging chain kit, easy connect balancing ports, duct ports with plastic collar shrouds for simple and quick installation.

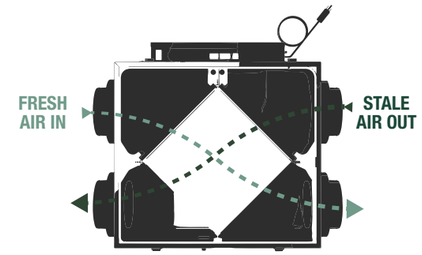
- Compact design
- Electrostatic filters (washable)
- Cross-flow core (ERV) transfers both heat and humidity
- Cross-flow core (HRV) transfers heat only
- Removable screw terminal for easy connection with external access
- Light-weight
- Multiple speed operation
- Chain mount standard, wall bracket optional
- One-piece foam cabinet
- -EC energy efficient motor

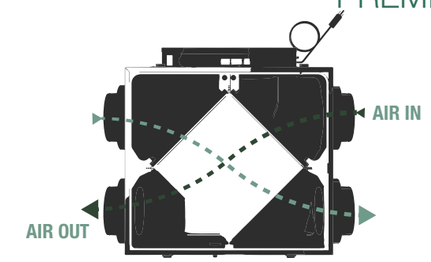
BIM Objects available (.RFA and .DXF files)

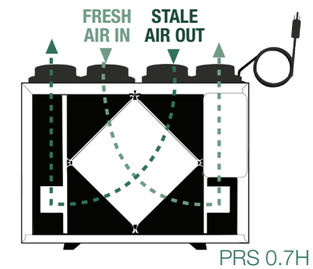
Single Family Home

Note: PREMIER 0.7H is part of the PREMIER Series, but is a top-ported appliance unlike the other side-ported appliances in the series.

PREMIER 0.7H



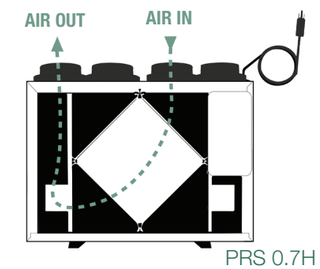




PRS 0.7H

Cross-flow Core

- Up to 77% energy transfer
- Transfer heat and moisture from incoming air to outgoing air



PRS 0.7H

Supply Fan Shutdown Defrost

- Simple and robust frost prevention system

Recommended Control*

EHC 2.5, Multi-Function

This control activates the system on 3 possible modes of operation:

- **Ventilation Mode:** Removes stale air from inside your home and replaces it with fresh outdoor air
- **Recirculation Mode:** Takes air from areas of your home and redistributes it to other rooms. No outdoor air is introduced into the home[1]
- **Standby Mode:** Inactive unless the indoor relative humidity is above the setpoint on the control

The fan speed can be selected: Reduced, Medium, Normal or 20min/h

*__PREMIER__ is compatible with all controls

[1]This option only applies to units that have recirculating features

WHAT SETS **PREMIER** APART?

Cross-flow Core

Light-weight

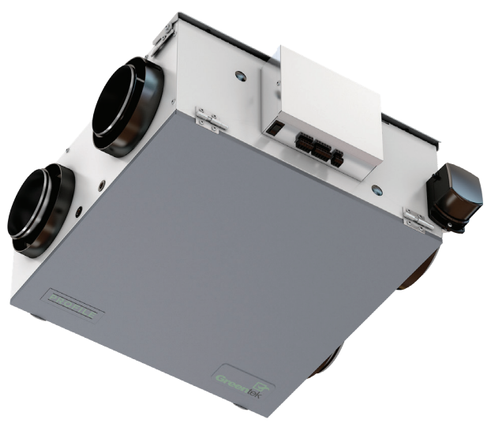
Side-ported

PROFILE

PROFILE features a slim housing, side-port connection, energy recovery core, and supply fan modulation for frost prevention. Ideally suited for condominiums and apartments.

PROFILE brings a continuous supply of fresh air into the premises while exhausting an equal amount of contaminated air out.

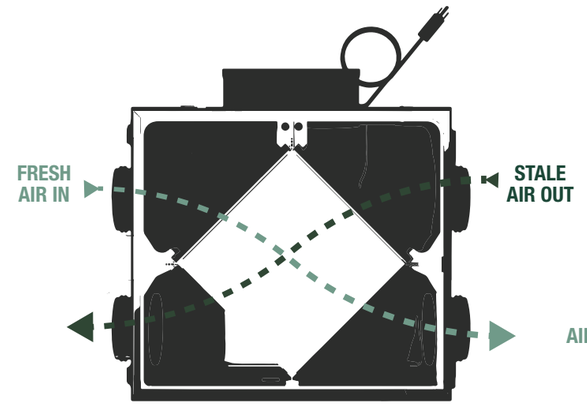
The energy recovery core transfers both heat and moisture from the outgoing exhaust air to the incoming fresh air reducing the energy required to condition it. In summer time, the appliance removes humidity from the fresh air and in the winter time, it heats it while retaining humidity to keep the living area comfortable year-round.



- Energy Recovery Ventilator (ERV)
- Airflow up to 129 cfm @ 0.4” wg.
- Compact, light-weight design with 10” installed depth
- Energy-efficient crossflow core with SRE up to 77% (0°C/32°F)
- MERV 3 filter with MERV 8 or MERV 13 as optional replacement filters
- -D versions equipped with a mechanical shut-off damper
- -EC energy-efficient motor
- -M versions suit mirrored floor plans
- -HC versions suit direct connection to the home electrical mains
- Certifications: CSA, HVI, ENERGY STAR® (EC versions are ENERGY STAR® Certified)
- Limited warranty: 7 years on motors, 5 years on parts and core
- No drain required

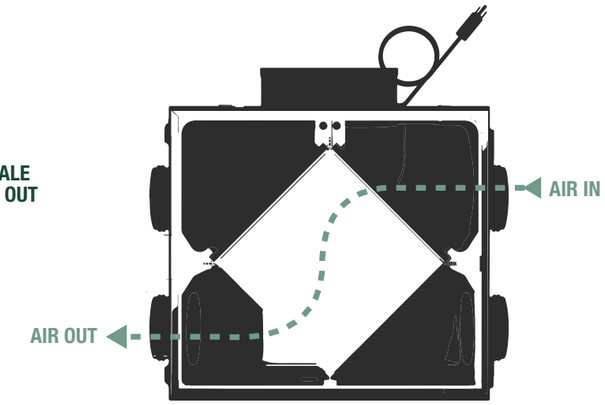
BIM Objects available (.RFA and .DXF files)

Multi-Family Home



Cross-flow Core

- Up to 77% energy transfer
- Transfer heat and moisture from incoming air to outgoing air



Supply Fan Shutdown Defrost

- Simple and robust frost prevention system
- Integrated O/A motorized prevention damper (PROFILE 1.2E-D & PROFILE 1.2E-D-EC only)

Recommended Control*

STS AirSync, Multi-Function Controller with a Total Volatile Organic Compound (VOC) Sensor

- Recognizes the presence of cleaning solvents, cooking odors, or various compounds during large family gatherings
- Increases appliance’s airflow capacity based on the total VOC levels
- Helps the appliance replace contaminated air with fresh air
- Pre-programmed to run continuously on ECO Mode

*__PROFILE__ is compatible with all controls

WHAT SETS **PROFILE** APART?

Cross-flow Core

Low PROFILE

Side-ported

HS 3.0

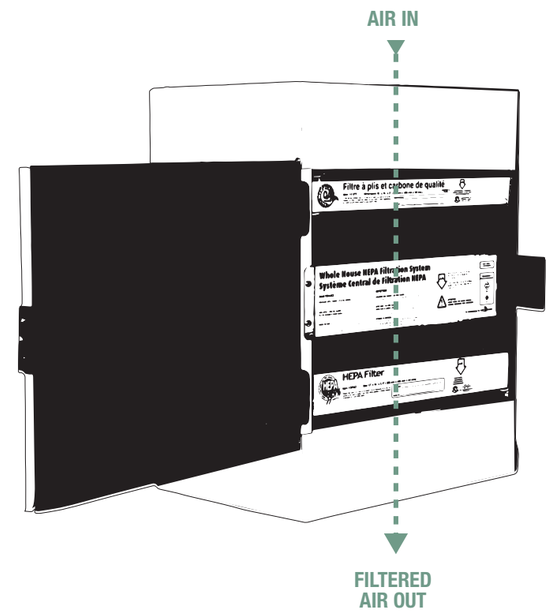
Oftentimes, the biggest culprit behind poor indoor air quality is what we can't even see or detect. Did you know that the air you breathe in your home can be up to 70% more polluted than outdoor air? From cooking to pet dander, everyday activities and items can compromise the quality of your home's air—and, ultimately, your health.

The **HS 3.0** has a three stage filtration system: MERV 8, Carbon and HEPA. This filtration system is designed to clean and filter the air in a 2000 square foot space every hour. Filter replacement is quick and simple.

- 3-stage filtration: MERV 8, pre-filter with carbon, HEPA filter
- Captures 99.97% of particles 0.3 microns and larger
- Two speed operation (208 or 282 cfm)
- No adverse effect on your forced-air system
- Fully insulated cabinet
- Recommended for spaces of up to 2000 sq. ft.

Single Family Home

Multi-Family Home



Technical Specifications

Voltage / Phase (V/~)	120 /1
Rated power (W)	180
Max current (A)	1.23
Height (in (mm))	22 (557)
Depth (in (mm))	12 (307)
Width (in (mm))	16 (406)
Shipping weight (lbs (Kg))	33.1 (15)

Filters

Carbon Filter

- The carbon filter will capture household odors like cooking oil and smoke.

HEPA Filter

- The filter will collect up to 99.97% of particles as small as 0.3 microns in size such as carbon dust, bacteria, legionella, combustion smoke, milled flour, welding fumes, pollen, bacteria, pet dander, and mold spores.

WHAT SETS **HS 3.0** APART?

3 Filter Layers

2000 sq. ft. Coverage in 1 hour (8' ceiling)

Two Speed Operation

SOLACE®

HEAT & ENERGY RECOVERY MODELS	SOLACE 1.0E	SOLACE 1.2H	SOLACE 1.2E-EC	SOLACE 1.4E	SOLACE 1.5H	SOLACE 1.6E-EC	SOLACE 2.0H	SOLACE 1.5H-EC	SOLACE 2.5H-EC
Recovery ventilator type	ERV	HRV	ERV	ERV	HRV	ERV	HRV	HRV	HRV
Airflow range (cfm @ 0.4” wg.)	40 - 102	40 - 112	40-112	50-142	50 - 150	60-159	60 - 203	50 - 172	80 - 252
Voltage / Phase (V/~)	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1
Duct connection size (in (mm)	5 (127)	5 (127)	5 (127)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)
Consumed Power: High/Low (W)	42/91	165/69	87/21	180/55	180/59	120/26	210/98	110/23	260/34
Sensible Recovery Efficiency @ 0˚C/32˚F[1]	82	80	85	79	80	81	80	84	82
Fan Efficacy @ 0˚C/32˚F cfm/W	1.2	1.2	2.1	1.0	1.2	2.0	0.9	3.0	2.5
Max current (A)	1.1	1.2	3.0	1.4	1.4	6.4	2.0	3.0	6.4
Defrost cycle	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation
Certification									
Height (in (mm))	24 1/4 (616)	24 1/4 (616)	24 1/4 (616)	24 7/8 (626)	24 7/8 (626)	24 7/8 (626)	24 7/8 (626)	24 7/8 (626)	24 7/8 (626)
Depth (in (mm))	11 1/2 (291)	11 1/2 (291)	11 1/2 (291)	13 3/8 (341)	13 3/8 (341)	13 3/8 (341)	15 3/8 (391)	13 3/8 (341)	15 3/8 (391)
Width (in (mm))	23 1/4 (590)	23 1/4 (590)	23 1/4 (590)	27 7/8 (707)	27 7/8 (707)	27 7/8 (707)	27 7/8 (707)	27 7/8 (707)	27 7/8 (707)
Shipping weight (lbs (Kg))	47 (21)	41 (19)	50 (23)	59 (26)	51 (23)	59 (26)	59 (26)	51 (23)	57 (26)

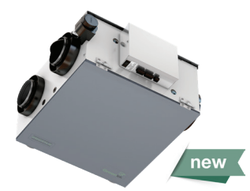
[1] Performance at low speed.

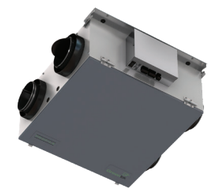
PREMIER

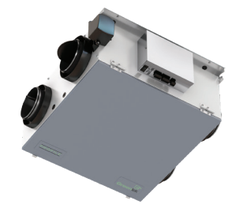
HEAT & ENERGY RECOVERY MODELS	PREMIER 0.7H	PREMIER 1.5H	PREMIER 1.5E	PREMIER 2.0H	PREMIER 2.0E	PREMIER 3.0E-EC
Recovery ventilator type	HRV	HRV	ERV	HRV	ERV	ERV
Airflow range (cfm @ 0.4” wg.)	20 - 57	50 - 150	50 - 150	60 - 200	60 - 200	80 - 300
Voltage / Phase (V/~)	120/1	120/1	120/1	120/1	120/1	120/1
Duct connection size (in (mm))	4 (100)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)
Consumed Power: High/Low (W)	48/42	168/54	168/52	168/52	168/52	200/31
Sensible Recovery Efficiency @ 0˚C/32˚F[1]	63	74	75	75	75	77
Fan Efficacy @ 0˚C/32˚F cfm/W	1.6	1.2	1.2	1.3	1.3	2.0
Max current (A)	0.4	1.4	1.4	1.4	1.4	6.4
Defrost cycle	Fan Shutdown	Fan Shutdown	Fan Shutdown	Fan Shutdown	Fan Shutdown	Fan Shutdown
Certification						
Height (in (mm))	17 1/8 (435)	21 7/16 (546)	21 7/16 (546)	21 7/16 (546)	21 7/16 (546)	21 7/16 (546)
Depth (in (mm))	10 1/4 (261)	11 11/16 (297)	11 11/16 (297)	11 11/16 (297)	16 5/8 (423)	16 5/8 (423)
Width (in (mm))	21 1/2 (546)	23 7/8 (606)	23 7/8 (606)	23 7/8 (606)	23 7/8 (606)	23 7/8 (606)
Shipping weight (lbs (Kg))	26 (12)	42 (19)	51 (23)	46 (21)	57 (26)	60 (27)

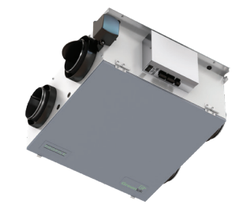
[1] Performance at low speed.

PROFILE









ENERGY RECOVERY VENTILATORS[1]	PROFILE 0.8E	PROFILE 0.8E-D	PROFILE 1.2E	PROFILE 1.2E-D	PROFILE 1.2E-D-EC
Airflow range (cfm @ 0.4” wg.)	20-78	20-78	40-127	40-127	40-129
Voltage / Phase (V/~)	120/1	120/1	120/1	120/1	120/1
Duct Connection size (in (mm))	4 (102)	4 (102)	5 (127)	5 (127)	5 (127)
Consumed Power: Low/High (W)	42/52	42/52	55/104	44/104	23/74
Fan Efficacy @ 0˚C/32˚F cfm/W	1.5	1.5	0.9	0.9	2.2
Sensible Recovery Efficiency @ 0˚C/32˚F[2]	70	70	74	74	77
Max current (A)	0.6	0.6	1.4	1.4	3
Defrost cycle	Fan Shutdown	Fan Shutdown[2]	Fan Shutdown	Fan Shutdown[3]	Fan Shutdown[3]
Certification					
Height (in (mm))	20 5/8 (523)	20 5/8 (523)	23 5/32 (588)	23 5/32 (588)	23 5/32 (588)
Depth (in (mm)	21 5/8 (549)	21 7/8 (556)	24 5/8 (625)	25 1/16 (636)	25 1/16 (636)
Width (in (mm))	10 1/6 (255)	10 1/6 (255)	10 (254)	10 (254)	10 (254)
Shipping weight (lbs (Kg))	29 (13)	30 (13)	34 (15)	35 (16)	35 (16)

[1]Standard has fresh air supply on the right side; Mirrored has fresh air supply on the left. Available with hard connection, optional. | [2] Performance at low speed.
[3] Integrated O/A motorized damper.

Controls

Optimize the experience with our exceptional controls, designed to maximize the performance of your HRV/ERV.

STS IAQ

STS AirSync

EHC 2.5

EHC 2.0

T-W

T4

Greentek®

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HVI MEMBER™

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HRAI

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