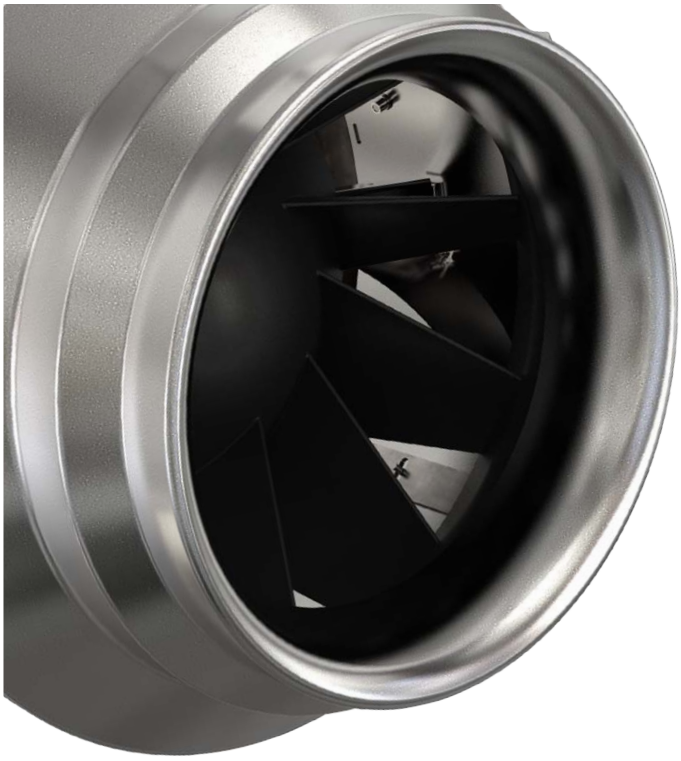
fantech

Product Catalog | Ventilation Solutions

US Edition 1 | 2013



Quality products, reliable service and leaders in innovation

Over 30 years ago, Fantech pioneered the inline fan in the US, and we are still leading the way with our ventilation solutions for buildings both residential and commercial.

In the pages that follow, you will find our full line of products grouped by APPLICATION as well as the corresponding accessories available to complete numerous installation scenarios.

They say a picture is worth a thousand words, we couldn't agree more. The renderings inside our new catalog outline the highest quality ventilation solutions available for residential and commercial buildings using Fantech products.

Our first job is to make Fans – out of our customers who specify, purchase, install or enjoy our products.

"How can we make you a Fan today?"

Phil Rivas
Director of Sales
Fantech

Product Range
for all means of ventilation

Fantech manufactures an extensive range of ventilation products, beginning with our industry first centrifugal inline fan to a wide range of commercial fans. Fantech also manufactures a high quality range of residential and light commercial HRV/ERVs. A full compliment of Air Terminal devices, Controls, and accessories completes the full range of residential and commercial ventilation products.

These products are installed in a variety of locations, including apartments, condos, single family homes, offices, hotels, stores, training facilities and sports centres, warehouses and manufacturing plants. The most common usage is comfort ventilation.

FANS

Our manufactured range of fans includes everything from circular inline duct fans - our first product – to our wide range of Powered Roof Ventilators. Our fans can be supplied in sizes from 4 inch diameter up to our large roof or wall mount exhaust fans with air flow up to 19,000 cfm. Each fan has been developed, tested and manufactured to comply with the latest in either HVI, AMCA, CSA or UL standards. Our fans are second to none in quality, reliability and length of service life.

Inline Fans

Circular, rectangular or square connection fans.

Learn more, p. 102 - 115, 188 - 191

Bathroom Fans

Quiet and reliable exhaust bath fans and fan lights.

Learn more, p. 10 - 19

Power Roof Ventilators

For extract air systems that transport normal or kitchen exhaust.

Learn more, p. 22 - 33, 158-167

Axial Ventilators

Axial fans for square connection or wall mounting.

Learn more, p. 38 - 47

Radon Fans

For radon mitigation applications.

Learn more, p. 175

Dryer Booster Fans

Circular exhaust fans and kits for residential dryers.

Learn more, p. 180-183

HEAT & ENERGY RECOVERY VENTILATORS

Complete energy-efficient heat and energy recovery ventilators with built-in control systems for projects that demand high efficiency ventilation and energy savings.

Up to 67 cfm

with top and side connections

Learn more, p. 58 and 72

Up to 200 cfm

greater airflow for larger spaces

Learn more, p. 60 - 93

Up to 320 cfm

applications with max recovery

Learn more, p. 82 - 85

For temperate climates

for balanced ventilation

Learn more, p. 94

For commercial ventilation

with simple project implementation for retrofit or new construction

Learn more, p. 132 - 147

ACCESSORIES

Fantech's range also includes a wide selection of air terminal devices and controls for many different environments and applications.

Supply & Exhaust Grilles

For mounting in ceilings and walls.

Controls and switches

Ventilation control

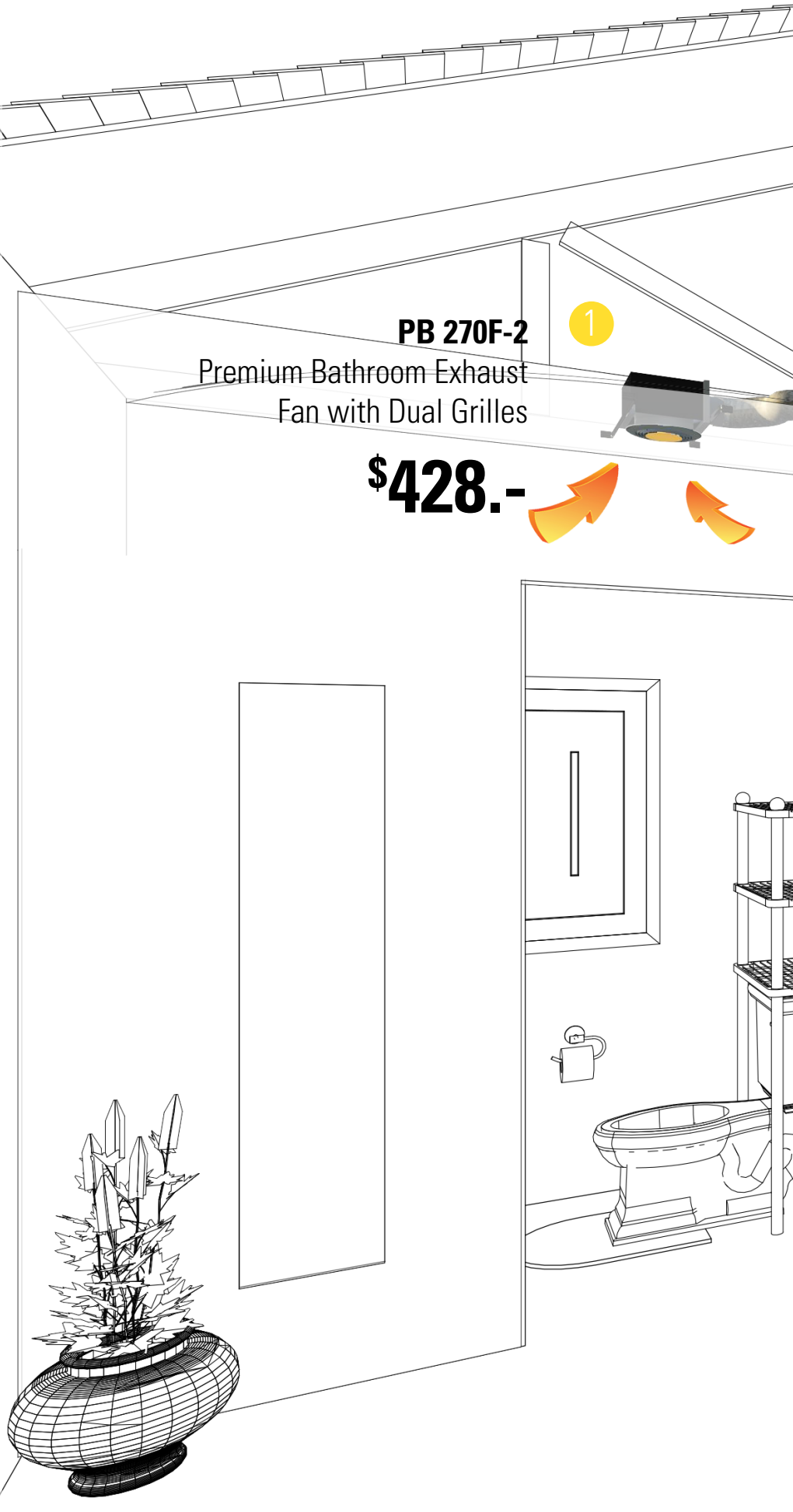
Don’t let the roar of a noisy bath fan disturb your peace and quiet.

A Bathroom
with a quiet bath fan

As the trend to larger spa-like bathrooms continues to gain in popularity, the need for proper ventilation becomes more important. Quick removal of moisture at the source will keep your beautiful bath free of mold and the effects of extreme moisture.

Fantech has developed its Premium Bath Fans so that one remote mounted fan motor can effectively ventilate several areas of the bath.

Ceiling Grilles with or without Lights can be easily positioned over showers, whirlpool tubs, steam showers, toilet and vanity.

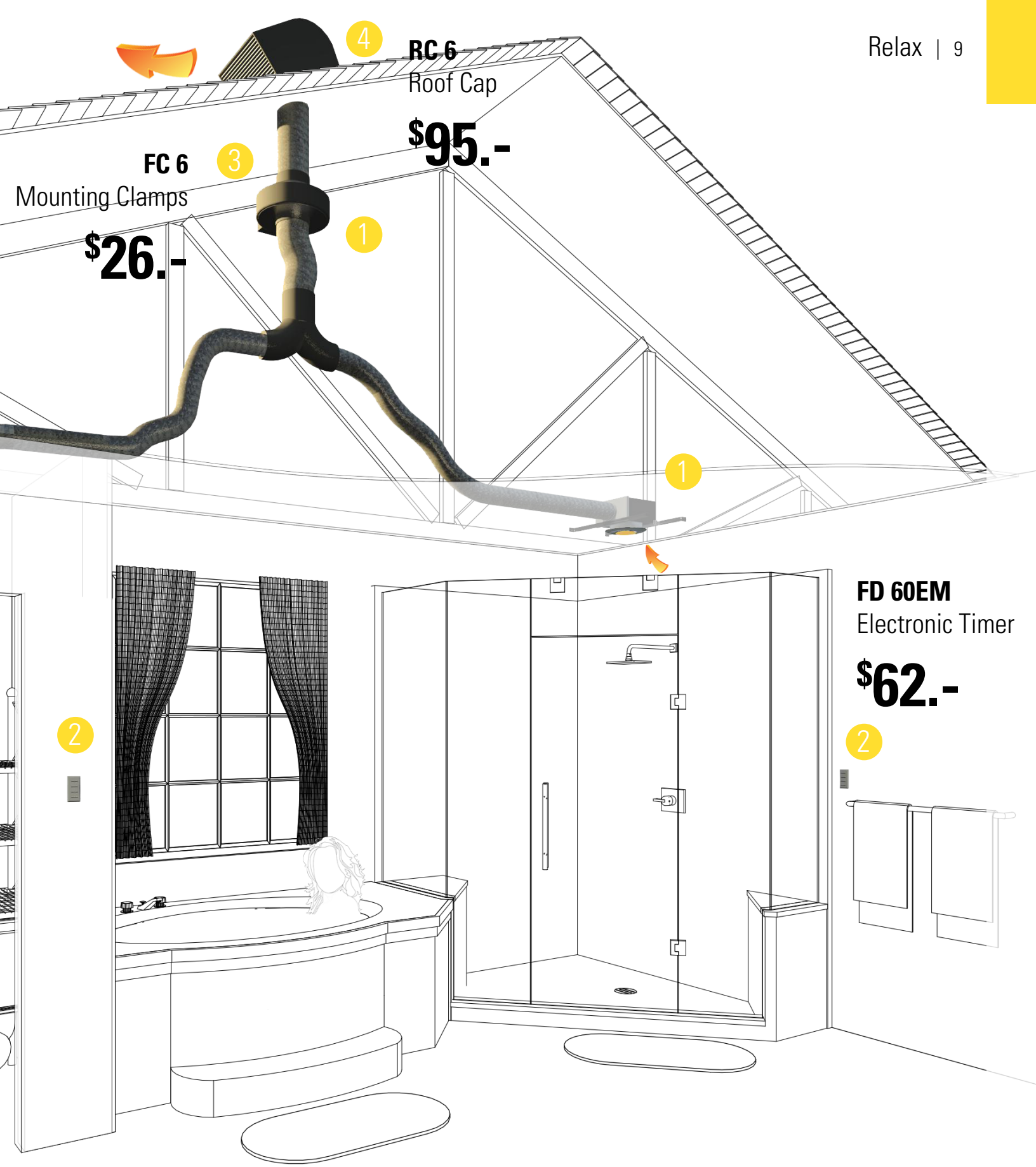


1. PB 270F-2 / $428.-
Premium Bathroom Exhaust Fan with Dual Grilles and Fluorescent Lights
115V, 270 cfm, 72W at 0.2" Static Pressure, Duct diameter (inlet/outlet): 4" and 6" ducts.
See page 10.

2. FD 60EM / $62.-
Electronic Countdown Timer
115V, 20A
In-wall timer provides timed control of bathroom fans and appliances. Features four preset timers and 10-20-30-60 minute increments. Decorative, contemporary styling. See page 198.

3. FC 6 / $26.-
Mounting Clamps
Made from galvanized sheet steel and fitted with an 1/8" neoprene lining, which suppresses vibration and ensures a tight fit. Clips are clamped together by two screws. Clamps come in a pair. See page 202.

4. RC 6 / $95.-
Roof Cap
with damper flap closure, duct connection and screened exhaust opening. See page 201.


4
RC 6
Roof Cap
$95.-
3
FC 6
Mounting Clamps
$26.-
1
1
2
2
FD 60EM
Electronic Timer
$62.-

PB Series

Premium Bath Fans - Single Grilles

A small-scale grille mounts in the ceiling while the fan motor mounts in a remote location away from the living area. The result is a quiet yet powerful combination that is sure to protect your home from the damaging effects of moisture, steam and mold. PB fans are designed for intermittent or continuous operation to meet **ASHRAE Standard 62.2**.

- **PB 110 Premium Bath Fan with one Ceiling Grill**
  110 CFM fan, one ceiling grille and grille housing with damper. Uses 4" duct. Energy Star® qualified.

- **PB 110F Premium Bath Fan with Fluorescent Light**
  110 CFM fan, one ceiling grille with light, grille housing with damper, and 14-watt, instant-on, flourescent bulb. Uses 4" duct. UL Listed for wet locations.

- **PB 110H Premium Bath Fan with Dimmable Halogen Light**
  110 CFM fan, one ceiling grille with light, grille housing with damper, and 50-watt halogen bulb. Uses 4" duct.
  UL Listed for wet locations.

PB 110


Vent Only Ceiling Grille


Ceiling Grille with Dimmable Halogen Light


Ceiling Grille with Compact Fluorescent Light

- **PB 190 Premium Bath Fan**
  190 CFM fan, one ceiling grille and grille housing with damper. Uses 6" duct. Grille housing fits between 2 x 8 construction. Energy Star® qualified.

PB 190

Specification data

Model	Duct size	Rated power @ 0.2" P_s	Voltage / phase	0.2" P_s	0.4" P_s	CFM per Watt @ 0.2" P_s	Energy Star Qualified	Lamp	Shipping weight	UPC #	List price
	inch	W	V / ~	cfm					lbs		USD
PB 110	4	21	120 / 1	110	83	5.5	Yes	-	9	40568 7	195.00
PB 110F	4	20	120 / 1	110	83	5.5	-	14W Instant-On-Compact Fluorescent (PBB14)*	11	40569 4	286.00
PB 110H	4	20	120 / 1	110	83	5.5	-	50W Halogen (PBB50)	10	40570 0	272.00
PB 190	6	69	120 / 1	200	152	3.0	Yes	-	14	40571 7	222.00

* The Compact Fluorescent bulb used in Fantech Premium Bath Fans has a color temperature of 2700 Kelvin and CRI of 81. Average bulb life: 10,000 hours. Need replacement bulbs? Order PBB14 for Fluorescent Models; PBB50 for Halogen Models.

PB Series
Premium Bath Fans - Dual Grilles

The key to proper ventilation in baths is spot ventilation at the source. Premium Bath fans can effectively ventilate several areas of the bath or two different bathrooms. Small 7" ceiling grilles (with or without lights) can be easily positioned directly over showers, whirlpool tubs, steam showers, toilet or vanity. The fan motor is installed away from the living area for super quiet operation. PB fans are designed for or continuous operation to meet **ASHRAE Standard 62.2**.

- **PB 270-2 Premium Bath Fan with dual Ceiling Grilles**
  270 CFM fan, two ceiling grilles, two grille housings with dampers and Y-adapter (4x4x6). Uses 4" and 6" duct.
  Energy Star® qualified.

- **PB 270F-2 Premium Bath Fan with dual Grilles and Fluorescent Light**
  270 CFM fan, two ceiling grilles with lights, two grille housings with dampers, two 14-watt instant-on flourescent bulbs and Y-adapter (4x4x6). Uses 4" and 6" duct. UL Listed for wet locations.

- **PB 270H-2 Premium Bath Fan with dual Grilles and Dimmable Halogen Light**
  270 CFM fan, two ceiling grilles with lights, two grille housings with dampers, two 50-watt halogen bulbs and Y-adapter (4x4x6). Uses 4" and 6" duct. UL Listed for wet locations.

- **PB 370-2 Premium Bath Fan**
  370 CFM fan, two ceiling grilles, two grille housings with dampers and Y-adapter (4x4x6). Uses 4" and 6" duct. UL Listed for wet locations.
  Energy Star® qualified.

PB 270F-2

PB 370-2

Specification data

Model	Duct size	Rated power @ 0.2" P_s	Voltage / Phase	0.2" P_s	0.4" P_s	CFM per Watt @ 0.2" P_s	Energy Star Qualified	Lamp	Shipping weight	UPC #	List price
	inch	W	V / ~	cfm					lbs		USD
PB 270-2	4/6	74	120 / 1	270	232	3.75	Yes	-	17	40572 4	279.00
PB 270F-2	4/6	72	120 / 1	270	232	3.75	-	14W Instant-On-Compact Fluorescent (PBB14)*	19	40573 1	428.00
PB 270H-2	4/6	72	120 / 1	270	198	3.75	-	50W Halogen (PBB50)	17	40574 8	399.00
PB 370-2	6	122	120 / 1	370	317	3.1	Yes	-	21	45433 3	343.00

* The Compact Fluorescent bulb used in Fantech Premium Bath Fans has a color temperature of 2700 Kelvin and CRI of 81. Average bulb life: 10,000 hours. Need replacement bulbs? Order PBB14 for Fluorescent Models; PBB50 for Halogen Models.

PB Series

Combination Premium Bath Fans - Dual Grilles

Premium Bath Combination Units. Combo units include one exhaust fan, one lit and one unlit ceiling grille. A single model number provides the exact bath fan components needed for a dual location exhaust system.

Want to add an additional exhaust location? Just choose an additional ceiling grille with or without a light to turn your one or two location bath fan into a powerful multiport system.

PB fans are designed for intermittent or continuous operation to meet **ASHRAE Standard 62.2**.

- PB 270FV-2 Premium Bath Fan with one Ceiling Grille and Fluorescent Light and one Vent-Only Ceiling Grille
  270 CFM fan, one ceiling grille with light, one vent-only ceiling grille, two grille housings with dampers, one 14 watt instant-on fluorescent bulb and Y adapter (4x4x6). Uses 4" and 6" duct.
  UL Listed for wet locations.
- PB 270HV-2 Premium Bath Fan with one Ceiling Grille with Dimmable Halogen Light and one Vent-Only Ceiling Grille
  270 CFM fan, one ceiling grille with light, one vent-only ceiling grille, two grille housings with dampers, one 50 watt halogen bulb and Y adapter (4x4x6). Uses 4" and 6" duct. UL Listed for wet locations.

PB 270FV-2

PB 270HV-2

Specification data

Model	Duct size	Rated power @ 0.2" P_s	Voltage / phase	0.2" P_s	0.4" P_s	CFM per Watt @ 0.2" P_s	Energy Star qualified	Lamp	Shipping weight	UPC #	List price
	inch	W	V / ~	cfm					lbs		USD
PB 270FV-2	4/6	72	120 / 1	270	232	3.75	-	14W Instant-On-Compact Fluorescent (PBB14)*	18	40575 5	345.00
PB 270HV-2	4/6	72	120 / 1	270	232	3.75	-	50W Halogen (PBB50)	18	40576 2	335.00

* The Compact Fluorescent bulb used in Fantech Premium Bath Fans has a color temperature of 2700 Kelvin and CRI of 81. Average bulb life: 10,000 hours. Need replacement bulbs? Order PBB14 for Fluorescent Models; PBB50 for Halogen Models.

PBW Series
Exterior Mount Bath Fans

We have expanded our Premium Bath Fan selection to include a trio of models powered by exterior mounted wall fans. An excellent alternative when space is an issue or direct venting to the outside is required. Ideal for homes, condominiums and apartment complexes. Choose lit or unlit models.

- **PBW 110 Exterior Wall Mount Bath Fans**
  120 CFM fan, one ceiling grille and grille housing with damper. Energy Star® qualified.

- **PBW 110F Exterior Wall Mount Bath Fans with Fluorescent Light**
  120 CFM fan, one Ceiling Grille , one grille housing with damper and one 14-watt instant-on fluorescent bulb. UL Listed for wet locations.

- **PBW 110 Exterior Wall Mount Bath Fans with Dimmable Halogen Light**
  120 CFM fan, one Ceiling Grille with Light, grille housing with damper and 50 watt halogen bulb. UL Listed for wet locations.

PBW 110H

See Bath Fan Retrofit Kit on page 196

Specification data

Model	Duct size	Rated power @ 0.2" P_s	Voltage / Phase	0.2" P_s	0.4" P_s	CFM per Watt @ 0.2" P_s	Energy Star® qualified	Lamp	Shipping weight	UPC #	List price
	inch	W	V / ~	cfm					lbs		USD
PBW 110	4	19	120 / 1	112	83	6.3	Yes	-	12	46240 6	233.00
PBW 110H	4	19	120 / 1	112	83	6.3	-	14W Instant-On-Compact Fluorescent (PBB14)*	12	46242 0	300.00
PBW 110F	4	19	120 / 1	112	83	6.3	-	50W Halogen (PBB50)	12	46244 4	313.00

* The Compact Fluorescent bulb used in Fantech Premium Bath Fans has a color temperature of 2700 Kelvin and CRI of 81. Average bulb life: 10,000 hours. Need replacement bulbs? Order PBB14 for Fluorescent Models; PBB50 for Halogen Models.

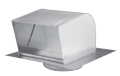
Accessories

PBF / PBH / PBV
Expansion Grille
page 196

PBB
Replacement Bulbs
page 196

VT20
Auxiliary Control
page 198

FC
Mounting Clamp
page 202



RC
Roof Cap
page 201

RSK
Backdraft Damper
page 201

FY
Y-connection
page 202

FIDT
Insulated Flex Duct
page 201

RVF 4XL
Exterior-Mount Fan

The RVF models are exhaust-air fans for installation on external walls. The unit consists of an impeller with backward-curved blades and a casing in galvanized sheet steel with a white powder-paint coating. When installed on an exterior wall, all ambient noise is kept outside.

Get Connected With Ease

These fans are lightweight, compact, and simple to install. No installation extras are required. Just mount the fan to the wall and connect the electrical supply to the conveniently located terminal box. The housing is removable for immediate access to the motor and wiring connections.

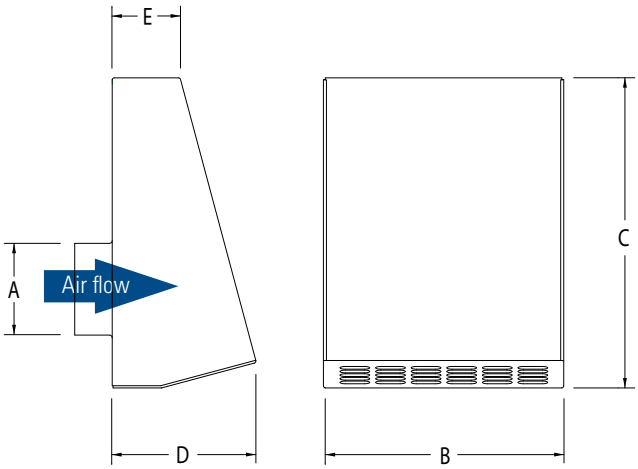
- Galvanized steel housing features powder-coat finish
- External rotor motor with totally enclosed design allows fans to operate in high moisture, lint and dust laden air
- Permanent split capacitor motors feature automatic reset thermal overload protection and sealed ball bearings for long life and maintenance-free operation
- All motors and impellers are designed as one integral unit, allowing for excellent motor heat dissipation, even at low RPM
- Permanently lubricated sealed ball bearings

Specification data

Model	Duct size	Rated power	Voltage / phase	Max. amps	0.0" P_s	0.1" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s	1.5" P_s	Shipping weight	UPC #	List price
	inch	W	V / ~	A	cfm								lbs		USD
RVF 4*	4	19	120 / 1	0.17	134	120	112	83	37	-	-	-	8	23040 1	202.00
RVF 4XL	4	92	120 / 1	0.84	193	180	172	154	136	118	91	-	10	23045 6	214.00
RVF 6	6	92	120 / 1	0.84	242	220	204	177	150	123	68	-	10	23060 9	222.00
RVF 6XL	6	149	120 / 1	1.46	381	360	346	315	285	258	213	64	14	23065 4	297.00
RVF 8XL	8	151	120 / 1	1.42	435	410	392	348	312	282	235	102	14	23085 2	338.00

Performance shown is for installation type with duct inlet Per HVI`S Certified rating program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at 0.2 inches WG. RVF Series performance is shown with ducted inlet.
This product is not UL listed for dryer exhaust.
* Energy Star® quilified

Dimensions



Model	A†	B	C	D	E
RVF 4	3 7/8	10 1/4	13	6	2 3/4
RVF 4XL	3 7/8	10 1/4	13	6	2 3/4
RVF 6	5 7/8	10 1/4	13	6	2 3/4
RVF 6XL	5 7/8	10 1/4	17	6	2 3/4
RVF 8XL	7 7/8	14 1/4	17	6	2 3/4

Dimensional information is in inches.
† Duct connections are 1/8" smaller than duct size.

Accessories

FC
Mounting Clamps
page 202

DB10 [1]
Pressure Switch
page 203

RSK
Backdraft Damper
page 201

FEL
Elbow
page 200

[1] - for dryer booster applications

DO YOU SEE ANY RIVETS ON THIS FAN?

FG 6
Inline Duct fan
$185.-

Add this fan to your next order

USA • 800.747.1762

NEITHER DO WE. THAT'S WHY IT NEVER LEAKS.

We all know that rivets will leak air. Our unique manufacturing process guarantees that no rivets are necessary and ensures an airtight seal. The result? Stale air, odors or humidity leave the building not the fan.

FQ Series
Quiet Ventilating Fans

The FQ Series exhaust fans and fan lights provide remarkably quiet, energy efficient ventilation for baths, powder rooms and other areas. Super quiet with as low as < 0.3 sones sound rating. Air performances of 80 to 110 CFM.
Fans are designed for intermittent or continuous operation to meet **ASHRAE Standard 62.2**.

Unlit models are ENERGY STAR® qualified, Title 24 compliment and meet the Washington State Ventilation and Indoor Air Quality Code.

- Airflows of 80 to 110 cfm
- Low profile grille fastened with torsion springs
- Thermal overload protection
- Title 24 Compliant
- UL Listed for use over a tub/shower with a GFCI branch circuit wiring
- The Home Ventilating Institute has certified all models for sound and air performance.

FQ 110FL

FQ 80

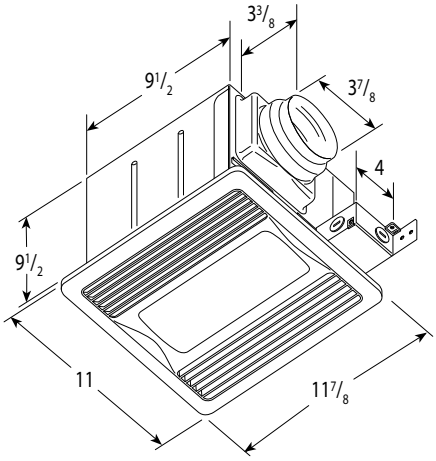
Specification data

Model	Duct † size	Rated power	Voltage / phase	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	Lamp power (Main / Night)	Sones	Shipping weight	UPC #	List price
	inch	W	V / ~	cfm				W CFL		lbs		USD
FQ 80	4	25	120 / 1	80	68	56	43	-	< 0.3	12	83737 2	132.00
FQ 80FL	4	25	120 / 1	80	73	60	47	26 / 4	0.4	14	83739 6	189.00
FQ 110	4	30	120 / 1	110	100	85	70	-	0.7	13	83738 9	143.00
FQ 110FL	4	30	120 / 1	110	100	85	70	26 / 4	1.3	14	83740 2	198.00

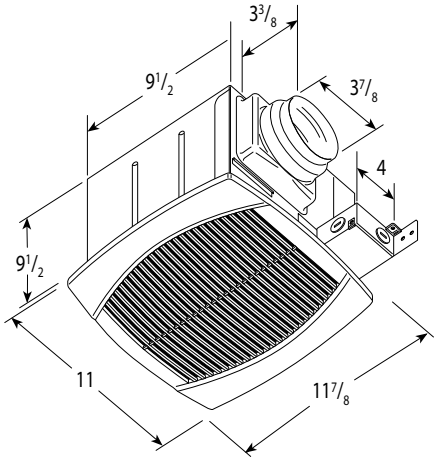
Performance shown is for installation type D - Ducted inlet, Ducted outlet. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the airstream.
† Duct connections are 1/8" smaller than duct size.

Dimensions

FQ 80FL / FQ 110FL



FQ 80 / FQ 110



Dimensional information is in inches.

The FQ-FD radiation damper together with FQ fan will be a perfect combo that will win the multifamily orders for you.
See page 205.

Accessories

FQ-FD
Radiation Damper
page 205

HS
Louvered Shutter
page 197

FD 60EM
Bathroom Timer
page 198

FLD 60
Bathroom Switch
page 198

Pots boiling..
Onions sautéing..
Turkey baking..

We know a secret to keep the kitchen clear of steam and odors.

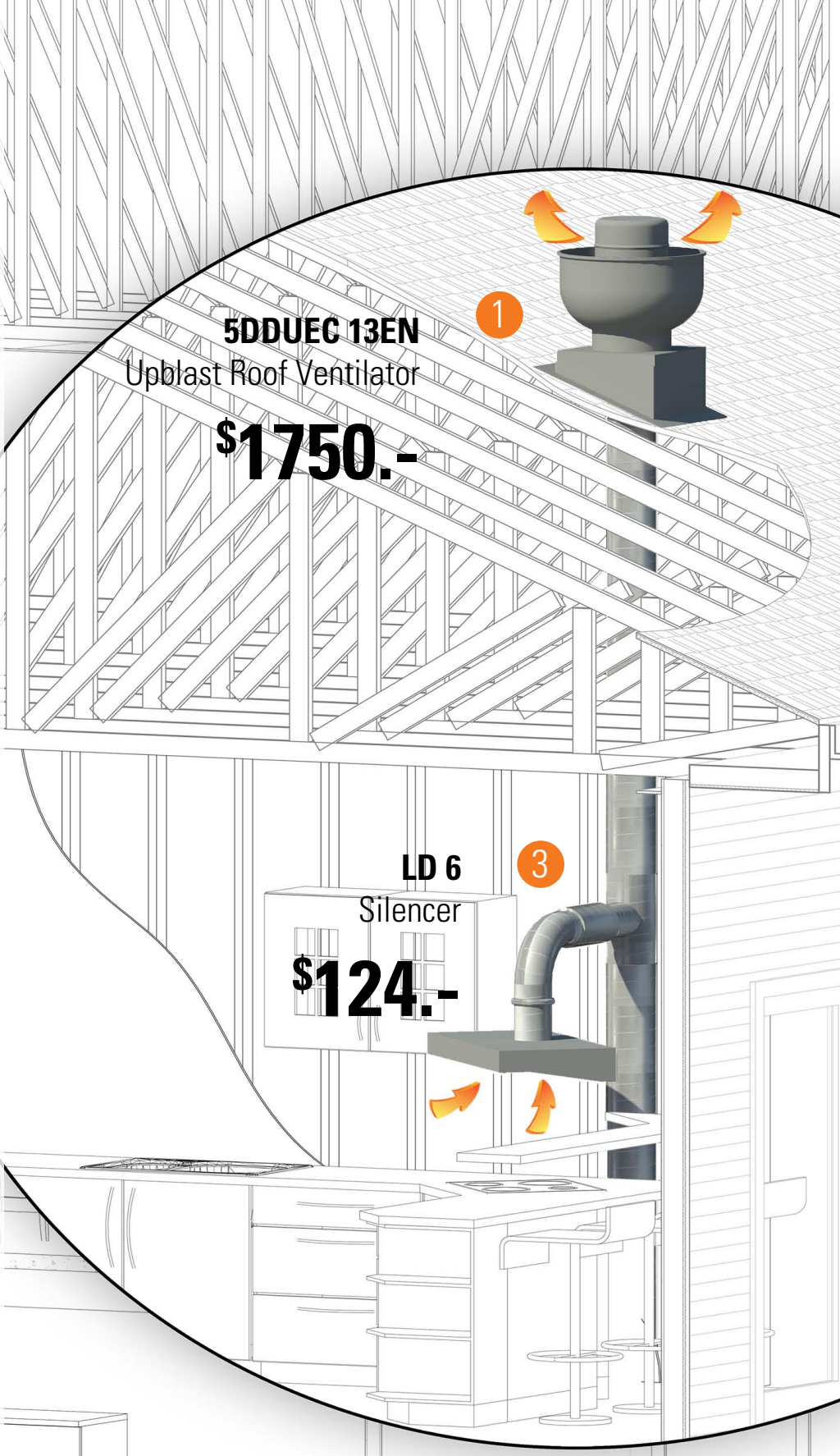
A kitchen

in a multistory residential building

Gone are the days when the exhaust fan on the roof ran continuously wasting energy and money pulling heated or cooled air from each residential unit. Current codes and standards require demand control ventilation where the fan only runs when one or more of the kitchen hoods operate.

The energy efficient Fantech 5DDUEC Upblast roof mount fans with their EC (Electronically Commutated) motors make Demand Control ventilation easy and cost efficient for the builder and building owner. The units can be controlled from any standard control pressure, thermostat etc; or B.M.S., that has a 0 –10 VDC output.

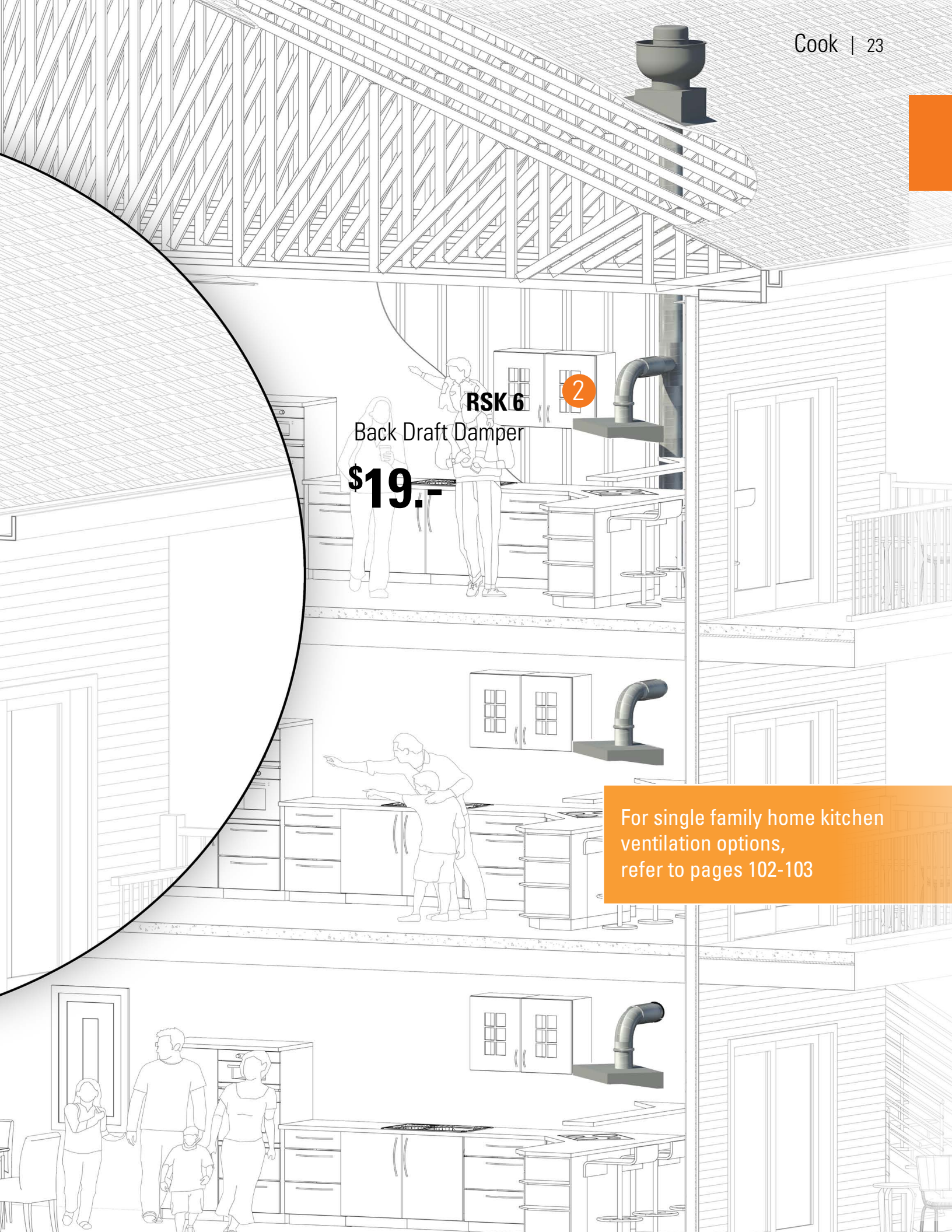
Compete the package with the Fantech LD Silencer and RSK Back Draft Damper for a quiet efficient ventilation system.



1. 5DDUEC 13EN / $1750.-
Upblast Roof Ventilator
120/208/240V, 2254 cfm, 608W, max P_s=1.75"
This upblast fan features energy saving EC motors, which are ideal for applications requiring demand control ventilation, such as kitchens. See page 24.

2. RSK 6 / $19.-
Back Draft Damper
Backdraft dampers with galvanized steel collar and lightweight aluminum damper blades. Spring loaded for positive closure. See page 201.

3. LD 6
Silencer
Galvanized steel silencer for use in kitchen range hood ventilation and other applications where noise is a concern. See page 201.



2

RSK 6

Back Draft Damper

$19.–

For single family home kitchen ventilation options, refer to pages 102-103

5DDU EC Series
Direct Drive Upblast Roof Ventilators

Fantech, Inc. certifies that the Direct-Drive Upblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Upblast ventilators are designed for continuous operation to exhaust foul air, smoke, fumes, odors and grease-laden vapors from range hoods and commercial cooking appliances. Ventilators are designed for installation in industrial, institutional and commercial kitchen applications. 5DDU-EC Series feature energy saving EC motors, which are ideal for applications requiring demand control ventilation, for example, apartment buildings, multi-purpose rooms with differing rates of ventilation, hi-rise buildings - single fan on riser exhausting multiple spaces or restaurant applications with grease laden air.

Factory preassembled with rpm speed control card with automation capability. Module can easily be mounted in optional NEMA 3R enclosure on the outside of the fan or inside the building.

- All ventilators are UL 705 and UL 762 Standards listed
- Driven by EC Technology
- Inlet temperatures up to 300°F
- Soft start-software provides overload protection
- Runs at optimal load due to the integrated electronic controls
- Multiple controller options
- 2-10 VDC signal for manual control

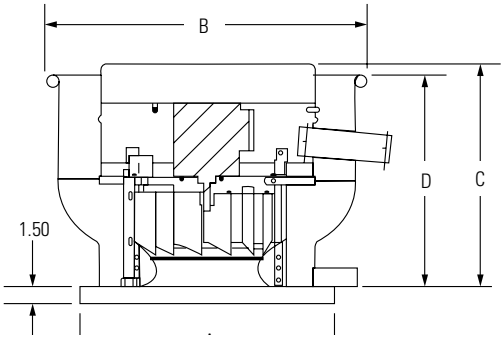
Specification data

Model	Rated power	Voltage / phase	RPM	0.0" P_s	0.25" P_s	0.50" P_s	0.75" P_s	0.875" P_s	1.00" P_s	1.25" P_s	Sones @ 0.25"	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}	cfm | Watts								lbs		USD
5DDUEC 10EN	3/4	120/208/240	2060	1186 | 239	1052 | 250	908 | 262	748 | 271	657 | 268	554 | 261	175 | 203	15.4	85	49821 4	1,475.00
5DDUEC 12EN	3/4	120/208/240	1835	1951 | 435	1846 | 465	1737 | 478	1625 | 482	1565 | 480	1495 | 477	1348 | 477	17.8	92	49822 1	1,675.00
5DDUEC 13EN	3/4	120/208/240	1685	2495 | 564	2376 | 586	2254 | 608	2112 | 623	2040 | 630	1955 | 632	1780 | 634	18.9	95	49823 8	1,750.00
5DDUEC 15FN2*	1	120/208/240	1755	3252 | 977	3087 | 973	2922 | 968	2742 | 962	2654 | 959	2563 | 956	2383 | 950	24	105	49824 5	2,000.00
5DDUEC 18FN*	1	120/208/240	1300	4840 | 1239	4570 | 1253	4292 | 1260	3983 | 1246	3828 | 1242	3670 | 1240	3350 | 1239	19.7	161	49826 9	2,150.00

Performance Certified is for Installation type A: free inlet, free outlet. Performance rating includes the effects of a bird screen. Speed (RPM) is nominal and performance is based on actual speed of test. Values shown are for installation type A, free inlet hemispherical sone levels.

* The Sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated.

Dimensions



Model	A	B	C	D
5DDUEC 10EN	19	23 7/8	18 7/8	17 7/8
5DDUEC 12EN	22	26 5/32	19 5/8	17 3/4
5DDUEC 13EN	22	27 7/8	20 3/4	18 1/2
5DDUEC 15FN2	26	29 7/8	22	19 3/8
5DDUEC 18FN	30	34	24	21 1/8

Dimensional information is in inches.

Accessories

5ACC.. RD
Roof Mount Damper
page 205

5ACC.. VC
Vented Curb
page 204

5ACC.. MS
Motor disconnect
page 198

5DDU Series
Direct Drive Upblast Roof Ventilators

Fantech, Inc. certifies that the Direct-Drive Upblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Direct-drive upblast ventilators are designed for continuous operation to exhaust foul air, smoke, fumes, odors and grease-laden vapors from range hoods and commercial cooking appliances. Ventilators are designed for installation in industrial, institutional and commercial kitchen applications. All models are equipped with a backward inclined aluminum fan wheel and a speed controllable motor.

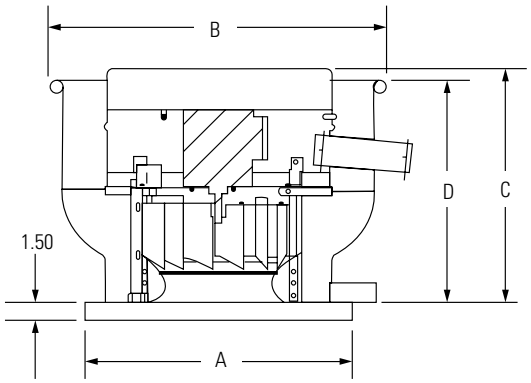
- All ventilators are listed UL 705 for electrical and UL 762 for restaurant exhaust except for 5DDU085AY
- Inlet temperatures up to 300°F
- Backward inclined aluminum fan wheel
- Externally cooled motor compartment
- Fully welded windband

Specification data

Model	Rated power	Voltage / phase	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	1.00" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}	cfm								lbs		USD
				Sones † | BHP										
5DDU 085AY	1/25	120	1642	416 8.0 | -	349 7.1 | -	267 6.5 | -	169 6.8 | -	- -	- -	- -	- -	23	47333 4	350.00
5DDU 106A	1/20	120	1100	685 5.1 | -	548 4.5 | -	388 3.9 | -	116 4.1 | -	- -	- -	- -	- -	37	47334 1	425.00
5DDU 10AA	1/6	120	1725	1048 12.6 | -	979 12.3 | -	911 11.6 | -	836 11.3 | -	749 10.6 | -	650 10.8 | -	522 10.5 | -	- -	88	47335 8	500.00
5DDU 12CA	1/3	120	1557	1531 13.8 | 0.27	1469 13.5 | 0.29	1406 13.3 | 0.31	1340 12.9 | 0.32	1272 12.6 | 0.33	1193 12.3 | 0.34	1107 12.0 | 0.35	897 11.3 | 0.33	109	47337 2	625.00
5DDU 13DB	1/2	120/230	1690	2419 20 | 0.54	2352 20 | 0.55	2285 19.5 | 0.56	2218 19.0 | 0.58	2145 18.6 | 0.59	2072 18.2 | 0.60	1992 17.9 | 0.62	1829 17.4 | 0.63	117	47339 6	750.00
5DDU 15CA	1/3	120	1144	2174 13.5 | 0.27	2070 13.0 | 0.28	1963 12.5 | 0.30	1849 12.0 | 0.31	1714 11.4 | 0.32	1568 10.8 | 0.32	1375 10.0 | 0.32		130	47340 2	900.00
5DDU 16DB	1/2	120/230	1145	2859 15.6 | 0.41	2739 15.0 | 0.43	2619 14.5 | 0.45	2494 13.7 | 0.47	2369 13.2 | 0.48	2219 12.6 | 0.49	2063 12.2 | 0.49	1502 11.0 | 0.46	144	47342 6	950.00
5DDU 18EB	3/4	120/230	1111	3899 21 | 0.73	3787 21 | 0.75	3644 20 | 0.78	3495 19.8 | 0.80	3337 18.9 | 0.81	3181 18.0 | 0.83	3011 17.3 | 0.84	2616 16.9 | 0.85	159	47343 3	1050.00

Performance certified is for installation type A: free inlet, free outlet. Performance rating includes the effects of bird screen. Speed (RPM) shown is nominal, and performance is based on actual speed of test.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

Dimensions



Model	A	B	C	D
5DDU 085AY	19	20 1/2	12 1/8	10
5DDU 106A	19	23 7/8	18 7/8	16 7/8
5DDU 10AA	19	23 7/8	18 7/8	16 7/8
5DDU 12CA	22	26 1/8	19 5/8	17 3/4
5DDU 13DB	22	27 7/8	20 3/4	18 1/2
5DDU 15CA	26	29 7/8	22	19 3/8
5DDU 16DB	26	31 3/4	22 3/4	20 1/8
5DDU 18EB	30	34	24	21 1/8

Dimensional information is in inches.

See Downblast Roof Ventilators on pages 158-167

Accessories

5ACC.. RD
Roof Mount Damper
page 205

5ACC.. SC
Speed Control
page 198

5ACC.. VC
Vented Curb
page 204

5ACC.. MS
Motor disconnect
page 198

5BDU Series
Belt Drive Upblast Roof Ventilators

Fantech, Inc. certifies that the Belt-Drive Upblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Belt-drive upblast ventilators are designed for roof mounted exhaust of commercial and industrial buildings. There models are both for roof and wall application (except 5BDU30 and 5BDU36). Durable spun aluminum construction with steel support braces. Backward inclined aluminum fan wheel. Motor and wheel are easily detachable without removing ventilator from curb. Permanently lubricated ball bearings (5BDU10 - 5BDU13) and regreasable pillow block bearings (5BDU15 - 5BDU24).

- All ventilators are listed UL 705 for electrical and UL 762 for restaurant exhaust in USA only
- Models 5DBU10 - 5BDU24 are suitable for wall application
- Inlet temperatures up to 300°F
- Fully welded windband
- Externally cooled motor compartment

Specification data

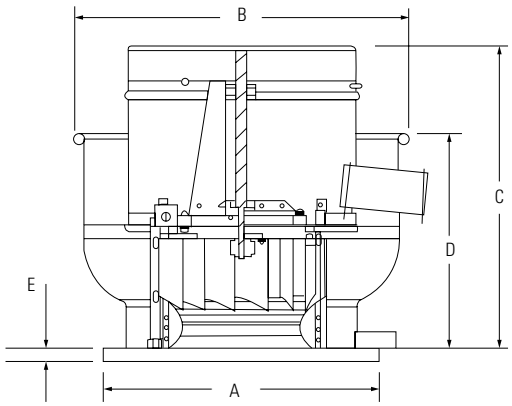
Model	Rated power	Voltage	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	1.00" P_s	Shipping weight	UPC #	List price
	HP	V	min^{-1}	cfm								lbs		USD
				Sones † | BHP #										
5BDU 10BB-A	1/4	120/230	1819	1179 15.1 | 0.22	1138 14.7 | 0.23	1089 14.3 | 0.23	1037 13.5 | 0.24	981 13.1 | 0.24	922 12.8 | 0.25	855 12.0 | 0.25	679 10.6 | 0.24	110	47289 4	750.00
5BDU 12CB-A	1/3	120/230	1566	1530 13.1 | 0.28	1473 13.1 | 0.29	1417 12.7 | 0.30	1358 12.7 | 0.31	1290 12.3 | 0.31	1223 11.7 | 0.32	1142 11.0 | 0.32	961 10.3 | 0.32	120	47291 7	830.00
5BDU 13DB-A	1/2	120/230	1530	2188 17.3 | 0.42	2115 17.0 | 0.44	2042 16.3 | 0.45	1966 16.2 | 0.46	1888 15.4 | 0.48	1808 15.4 | 0.49	1723 15.1 | 0.50	1538 13.6 | 0.50	132	47292 4	895.00
5BDU 15EB-A	3/4	120/208-230	1489	2811 18.1 | 0.66	2735 17.9 | 0.67	2659 17.8 | 0.69	2582 17.7 | 0.70	2503 17.1 | 0.72	2414 16.9 | 0.73	2325 16.5 | 0.74	2123 15.7 | 0.74	150	47296 2	1,025.00
5BDU 15FB-A	1	120/208-230	1639	3094 20 | 0.87	3025 20 | 0.89	2956 20 | 0.91	2886 19.2 | 0.93	2817 19.1 | 0.94	2743 18.9 | 0.96	2662 18.8 | 0.97	2501 18.2 | 0.97	153	47298 6	1,025.00
5BDU 16FB-A	1	120/208-230	1400	3674 21 | 0.91	3576 21 | 0.92	3478 21 | 0.94	3388 19.8 | 0.95	3282 19.6 | 0.97	3175 19.6 | 0.98	3068 18.6 | 0.99	2844 17.4 | 1.02	154	47302 0	1,090.00
5BDU 18FX-A *	1	208-230/460	1169	3986 17.6 | 0.82	3873 17.3 | 0.84	3756 17.5 | 0.86	3640 17.1 | 0.88	3508 16.9 | 0.90	3368 16.3 | 0.92	3229 16.2 | 0.93	2914 15.4 | 0.94	201	47305 1	1,220.00
5BDU 18GB-A	1-1/2	120/208-230	1338	4563 21 | 1.23	4465 21 | 1.25	4363 20 | 1.28	4261 20 | 1.30	4159 20 | 1.32	4045 19.5 | 1.35	3923 19.1 | 1.36	3678 18.2 | 1.39	214	47306 8	1,310.00
5BDU 18HX-A (*)	2	208-230/460	1473	5023 25 | 1.64	4935 24 | 1.67	4842 24 | 1.70	4750 23 | 1.72	4657 23 | 1.75	4564 22 | 1.77	4459 22 | 1.79	4238 21 | 1.83	210	47308 2	1,400.00
5BDU 20GB-A	1-1/2	120/208-230	1155	5367 22 | 1.31	5227 21 | 1.34	5086 21 | 1.38	4947 21 | 1.41	4797 20 | 1.43	4640 19.8 | 1.46	4483 19.2 | 1.47	4136 18.4 | 1.50	216	47309 9	1,350.00

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen.
Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.
* 3 phase motor

Dimensions

Model	A	B	C	D	E
5BDU 10BB-A	19	23 7/8	23 3/8	16 7/8	1 1/2
5BDU 12CB-A	22	26 1/2	24 1/4	17 3/4	1 1/2
5BDU 13DB-A	22	27 7/8	24 5/8	18 1/2	1 1/2
5BDU 15EB-A	26	29 7/8	27 3/8	19 3/8	1 1/2
5BDU 15FB-A	26	29 7/8	27 3/8	19 3/8	1 1/2
5BDU 16FB-A	26	31 3/4	27 3/4	20 1/8	1 1/2
5BDU 18FX-A	30	34	29 7/8	21 1/8	1 1/2
5BDU 18GB-A	30	34	29 7/8	21 1/8	1 1/2
5BDU 18HX-A	30	34	29 7/8	21 1/8	1 1/2
5BDU 20GB-A	30	36 1/2	30 1/4	22	1 1/2
5BDU 20HX-A	30	36 1/2	30 1/4	22	1 1/2
5BDU 24GB-A	34	42 3/8	33	24 1/2	1 1/2
5BDU 24HX-A	34	42 3/8	33	24 1/2	1 1/2

Dimensional information is in inches.



Specification data

Model	Rated power	Voltage	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	1.00" P_s	Shipping weight	UPC #	List price
	HP	V	min^{-1}	cfm								lbs		USD
				Sones † | BHP #										
5BDU 20HX-A*	2	208-230/460	1270	5902 25 | 1.75	5774 25 | 1.78	5647 24 | 1.82	5519 24 | 1.85	5391 24 | 1.88	5252 23 | 1.91	5108 23 | 1.93	4823 23 | 1.97	212	47311 2	1,450.00
5BDU 24GB-A	1-1/2	120/208-230	820	7306 19.5 | 1.34	7062 18.7 | 1.38	6818 18.2 | 1.41	6535 17.4 | 1.44	6245 16.6 | 1.47	5954 15.9 | 1.49	5632 17.7 | 1.50	4800 14.9 | 1.49	248	47314 3	1,610.00
5BDU 24HX-A*	2	208-230/460	900	8018 24 | 1.76	7796 23 | 1.81	7573 22 | 1.85	7334 22 | 1.89	7070 21 | 1.92	6806 19.7 | 1.95	6541 19.0 | 1.97	5945 18.1 | 1.99	244	47316 7	1,710.00

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen.
Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.
* 3 phase motor

Upblast fans with a "-A" designation indicate fans available as fully assembled. For models with a complete range motor and shell configurations, refer to page 32. These fans are shipped unassembled as Shell, Motor, and Drive Pack separately. Shell comes complete with blower wheel, shaft assembly and motor mount installed. Installation of the motor utilizing drive pack components ranges from 5-10 minutes depending on the skill range of the installer.

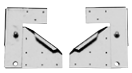
Accessories

5ACC.. FS
Flat Roof Curb
page 204

5ACC.. FT
Flat Roof Curb
page 204

5ACC.. VC
Vented Curb
page 204

5ACC.. GC
Grease Collector
page 204



5ACC.. HK
Hinge Kit
page 204

5ACC.. RD
Roof Mount Damper
page 205

5ACC.. MS
Motor disconnect
page 198

5BDU Series
Belt Drive Upblast Roof Ventilators

Fantech, Inc. certifies that the Belt-Drive Upblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

To complete our range of Upblast Roof fans, and allow for maximum quick turn availability, Fantech offers the complete range as 3 easily assembled components. The fans come with a Shell featuring a fully welded windband, heavy duty motor supports and machine balanced and mounted blower wheel. Factory pressed bearings complete the shaft and motor mount assembly.

Choosing the right motor is as easy as finding your desired airflow and matching that performance with the corresponding motor size and corresponding drive pack. Alternatively, please refer to our online PRV selection tool on the Fantech website fantech.net

Specification data

Model	Rated power	Voltage	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	0.875" P_s	1.00" P_s	1.25" P_s
	HP	V	min^{-1}	cfm									
				Sones † | BHP #									
5BDU 12	1/4	120 / 230	1423	1390	1328	1266	1195	1121	1034	939	831	-	-
				12.5 | 0.21	12.3 | 0.22	11.7 | 0.23	11.3 | 0.23	10.8 | 0.24	10.2 | 0.24	9.7 | 0.24	9.5 | 0.24	-	-
5BDU 13	1/4	120 / 230	1210	1730	1638	1543	1443	1334	1216	1061	-	-	-
				12.2 | 0.21	11.2 | 0.22	11.5 | 0.23	11.0 | 0.24	10.3 | 0.25	9.4 | 0.25	8.5 | 0.25	-	-	-
	1/3	120 / 230	1330	1902	1818	1734	1643	1552	1449	1343	1201	-	-
				14.1 | 0.28	13.7 | 0.29	13.1 | 0.30	12.9 | 0.31	12.9 | 0.31	12.5 | 0.32	11.1 | 0.33	10.2 | 0.33	-	-
5BDU 15	1/4	120/208-230	1033	1950	1840	1727	1599	1450	1258	568	-	-	-
				11.8 | 0.22	11.5 | 0.23	11.5 | 0.24	10.8 | 0.25	10.5 | 0.25	9.9 | 0.25	8.6 | 0.16	-	-	-
	1/3	120/208-230	1136	2145	2045	1945	1832	1713	1571	1393	1070	-	-
				13.1 | 0.29	12.8 | 0.30	12.5 | 0.31	12.3 | 0.32	12.0 | 0.33	11.4 | 0.33	10.8 | 0.33	10.2 | 0.30	-	-
	1/2	120/208-230 208-230/460	1301	2456	2369	2282	2193	2091	1989	1868	1745	1572	-
				15.4 | 0.44	15.4 | 0.45	15.1 | 0.47	14.9 | 0.48	14.4 | 0.49	14.1 | 0.49	13.8 | 0.50	13.2 | 0.50	12.9 | 0.49	-
5BDU 16	1/3	120 / 230	960	2520	2377	2232	2076	1910	1702	1390	-	-	-
				12.4 | 0.29	12.1 | 0.30	11.7 | 0.31	10.9 | 0.32	10.6 | 0.33	9.6 | 0.33	8.8 | 0.31	-	-	-
	1/2	120/208-230 208-230/460	1100	2887	2762	2637	2507	2370	2226	2077	1847	1529	-
				15.7 | 0.44	14.7 | 0.45	14.2 | 0.46	13.5 | 0.47	12.8 | 0.48	12.0 | 0.49	11.8 | 0.50	11.4 | 0.49	9.8 | 0.47	-
	3/4	120/208-230 208-230/460	1260	3307	3198	3098	2980	2864	2744	2623	2492	2360	-
				18.2 | 0.66	17.7 | 0.68	17.4 | 0.69	17.2 | 0.70	16.2 | 0.71	15.7 | 0.72	15.3 | 0.74	14.9 | 0.74	14.2 | 0.75	-
5BDU 18	1/3	120 / 230	811	2765	2600	2419	2217	1987	1676	-	-	-	-
				10.1 | 0.27	9.8 | 0.29	9.6 | 0.30	9.2 | 0.30	8.6 | 0.30	8.4 | 0.31	-	-	-	-
	1/2	120/208-230 208-230/460	928	3164	3020	2873	2701	2523	2321	2070	1589	-	-
				11.7 | 0.41	11.5 | 0.43	11.6 | 0.44	11.2 | 0.46	10.5 | 0.47	10.1 | 0.47	9.8 | 0.47	9.0 | 0.43	-	-
	3/4	120/208-230 208-230/460	1062	3621	3496	3368	3233	3080	2926	2753	2577	2335	-
				14.8 | 0.61	14.5 | 0.63	14.3 | 0.65	14.1 | 0.67	13.9 | 0.69	13.3 | 0.69	12.8 | 0.70	12.6 | 0.70	11.9 | 0.70	-
5BDU 20	1/3	120 / 230	695	3329	2996	2742	2456	2094	-	-	-	-	-
				12.9 | 0.29	12.2 | 0.30	11.8 | 0.32	11.4 | 0.33	11.2 | 0.32	-	-	-	-	-
	1/2	120/208-230 208-230/460	800	3718	3515	3304	3078	2820	2527	2005	-	-	-
				14.0 | 0.44	13.6 | 0.46	13.1 | 0.48	12.6 | 0.49	12.2 | 0.50	12.3 | 0.50	12.0 | 0.47	-	-	-
	3/4	120/208-230 208-230/460	915	4252	4075	3898	3703	3505	3282	3039	2734	2175	-
				15.7 | 0.65	15.3 | 0.68	15.1 | 0.70	14.5 | 0.72	14.3 | 0.74	13.7 | 0.75	13.9 | 0.75	13.4 | 0.74	12.8 | 0.68	-
	1	120/208-230 208-230/460	1010	4693	4533	4373	4206	4026	3846	3643	3423	3181	1422
				17.6 | 0.88	17.2 | 0.91	17.1 | 0.93	16.6 | 0.96	16.2 | 0.96	16.2 | 0.96	15.5 | 1.00	14.9 | 1.00	14.9 | 1.00	14.8 | 0.63

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen. # Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

5BDU Series
Belt Drive Upblast Roof Ventilators

Fantech, Inc. certifies that the Direct-Drive Upblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specification data (cont.)

Model	Rated power	Voltage	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	0.875" P_s	1.00" P_s	1.25" P_s	1.50" P_s
	HP	V	min^{-1}	cfm										
				Sones † | BHP #										
5BDU 24	1/3	120 / 230	495	4410	3989	3503	2826	-	-	-	-	-	-	-
				10.6 | 0.29	10.4 | 0.32	10.0 | 0.33	9.8 | 0.32	-	-	-	-	-	-	-
	1/2	120/230 208-230/460	570	5078	4727	4313	3866	3239	-	-	-	-	-	-
				11.9 | 0.45	11.9 | 0.48	11.3 | 0.50	11.0 | 0.51	10.4 | 0.50	-	-	-	-	-	-
	3/4	120/208-230 208-230/460	650	5791	5477	5126	4732	4324	3865	-	-	-	-	-
				14.4 | 0.67	14.4 | 0.70	13.7 | 0.73	13.7 | 0.74	13.4 | 0.75	11.4 | 0.75	-	-	-	-	-
	1	120/208-230 208-230/460	720	6415	6137	5842	5510	5180	4801	4310	3714	-	-	-
				15.8 | 0.90	15.6 | 0.94	14.3 | 0.97	14.1 | 1.00	13.8 | 1.01	13.2 | 1.01	13.0 | 1.00	12.9 | 0.97	-	-	-
5BDU 30	1/2	120/230 208-230/460	412	6232	5658	4955	4105	-	-	-	-	-	-	-
				16.1 | 0.42	15.1 | 0.46	14.5 | 0.47	14.2 | 0.47	-	-	-	-	-	-	-
	3/4	120/208-230 208-230/460	471	7124	6622	6049	5391	4627	-	-	-	-	-	-
				17.6 | 0.63	15.7 | 0.67	14.6 | 0.70	14.6 | 0.70	13.9 | 0.70	-	-	-	-	-	-
	1	120/208-230 208-230/460	519	7850	7394	6901	6352	5709	4992	-	-	-	-	-
				19.1 | 0.85	15.7 | 0.89	15.2 | 0.93	14.6 | 0.94	14.6 | 0.94	14.0 | 0.93	-	-	-	-	-
	1-1/2	120/208-230 208-230/460	594	8985	8586	8188	7716	7233	6669	6072	5417	-	-	-
				16.5 | 1.27	17.3 | 1.32	16.3 | 1.37	15.9 | 1.40	15.6 | 1.41	15.1 | 1.41	14.4 | 1.40	14.1 | 1.38	-	-	-
	2	208-230/460	653	9877	9515	9152	8755	8319	7867	7354	6824	6230	-	-
				19.7 | 1.69	19.4 | 1.75	18.3 | 1.80	18.0 | 1.84	17.3 | 1.86	16.0 | 1.87	15.9 | 1.87	15.1 | 1.87	14.5 | 1.85	-	-
	3	208-230/460	748	11314	10988	10681	10365	10005	9624	9242	8814	8367	7394	-
				24 | 2.53	23 | 2.60	22 | 2.67	22 | 2.72	21 | 2.77	19.8 | 2.79	18.9 | 2.81	18.4 | 2.81	17.7 | 2.81	16.9 | 2.79	
	5	208-230/460	887	13417	13150	12883	12616	12350	12065	11744	11422	11100	10393	9638
				30 | 4.23	30 | 4.31	30 | 4.38	30 | 4.46	28 | 4.52	28 | 4.58	27 | 4.63	26 | 4.66	25 | 4.68	24 | 4.69	23 | 4.66
5BDU 36	3/4	120/208-230 208-230/460	339	9392	8509	7552	6179	-	-	-	-	-	-	-
				9.3 | 0.67	8.6 | 0.71	8.4 | 0.74	7.9 | 0.73	-	-	-	-	-	-	-
	1	120/208-230 208-230/460	373	10334	9532	8679	7654	6202	-	-	-	-	-	-
				10.9 | 0.89	9.8 | 0.94	9.4 | 0.98	8.9 | 0.98	8.3 | 0.94	-	-	-	-	-	-
	1-1/2	120/208-230 208-230/460	427	11830	11129	10411	9645	8694	7443	-	-	-	-	-
				13.0 | 1.34	12.2 | 1.39	11.5 | 1.44	11.1 | 1.47	10.8 | 1.47	10.0 | 1.44	-	-	-	-	-
	2	208-230/460	470	13021	12384	11748	11058	10336	9430	8267	-	-	-	-
				15.5 | 1.78	14.6 | 1.84	14.1 | 1.89	13.5 | 1.94	13.1 | 1.97	12.5 | 1.96	12.0 | 1.92	-	-	-	-
	3	208-230/460	538	14905	14349	13793	13224	12616	12008	11231	10432	9307	-	-
				19.1 | 2.68	18.8 | 2.74	17.8 | 2.80	17.0 | 2.86	16.7 | 2.92	16.2 | 2.95	15.8 | 2.95	15.0 | 2.92	14.8 | 2.87	-	-
	5	208-230/460	637	17647	17178	16708	16239	15763	15249	14736	14222	13573	12147	7546
				23 | 4.44	23 | 4.52	23 | 4.59	21 | 4.67	21 | 4.74	21 | 4.81	20 | 4.86	20 | 4.90	19.8 | 4.90	18.4 | 4.85	17.3 | 3.55

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen. # Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

5BDU Series

Upblast Roof Ventilator Components

Model	Shell			HP	1 Phase for Fans Less Motor and Drive						3 Phase for Fans Less Motor and Drive					
					Drive Pack			Motor			Drive Pack			Motor		
	UPC #	List Price	Shipping Weight		UPC #	DP ID	List Price	UPC #	Motor ID	List Price	UPC #	DP ID	List Price	UPC #	Motor ID	List Price
		USD	lbs				USD			USD			USD			USD
5BDU10	49800 9	500.00	90	1/4	48992 2	DP-10"-BB	50.00	49907 5	MOT BB	100.00						
5BDU12	49801 6	550.00	100	1/4	48993 9	DP-12"-BB	55.00	49907 5	MOT BB	100.00						
				1/3	48994 6	DP-12"-CB	55.00	49909 9	MOT CB	135.00						
5BDU13	49802 3	600.00	105	1/4	48995 3	DP-13"-BB	57.00	49907 5	MOT BB	100.00						
				1/3	48996 0	DP-13"-CB	57.00	49909 9	MOT CB	135.00						
				1/2	48997 7	DP-13"-DB	57.50	49910 5	MOT DB	137.50	49000 3	DP-13"-DX	57.50	49911 2	MOT DX	164.00
5BDU15	49803 0	650.00	120	1/4	49001 0	DP-15"-BB	62.50	49907 5	MOT BB	100.00						
				1/3	49002 7	DP-15"-CB	62.50	49909 9	MOT CB	135.00						
				1/2	49003 4	DP-15"-DB	62.50	49910 5	MOT DB	137.50	49004 1	DP-15"-DX	62.50	49911 2	MOT DX	164.00
				3/4	49005 8	DP-15"-EB/EX	62.50	49912 9	MOT EB	235.00	49005 8	DP-15"-EB/EX	62.50	49913 6	MOT EX	200.00
				1	49007 2	DP-15"-FB/FX	62.50	49914 3	MOT FB	210.00	49007 2	DP-15"-FB/FX	62.50	49915 0	MOT FX	210.00
5BDU16	49804 7	700.00	125	1/3	49010 2	DP-16"-CB	65.00	49909 9	MOT CB	135.00						
				1/2	49011 9	DP-16"-DB	65.00	49910 5	MOT DB	137.50	49012 6	DP-16"-DX	65.00	49911 2	MOT DX	164.00
				3/4	49013 3	DP-16"-EB/EX	65.00	49912 9	MOT EB	235.00	49013 3	DP-16"-EB/EX	65.00	49913 6	MOT EX	200.00
				1	49015 7	DP-16"-FB/FX	65.00	49914 3	MOT FB	210.00	49015 7	DP-16"-FB/FX	65.00	49915 0	MOT FX	210.00
5BDU18	49805 4	850.00	171	1/3	49017 1	DP-18"-CB	70.00	49909 9	MOT CB	135.00						
				1/2	49018 8	DP-18"-DB	70.00	49910 5	MOT DB	137.50	49019 5	DP-18"-DX	70.00	49911 2	MOT DX	164.00
				3/4	49020 1	DP-18"-EB/EX	70.00	49912 9	MOT EB	235.00	49020 1	DP-18"-EB/EX	70.00	49913 6	MOT EX	200.00
				1	49022 5	DP-18"-FB/FX	70.00	49914 3	MOT FB	210.00	49022 5	DP-18"-FB/FX	70.00	49915 0	MOT FX	210.00
				1-1/2	49024 9	DP-18"-GB	70.00	49916 7	MOT GB	285.00	49024 9	DP-18"-GX	70.00	49917 6	MOT GX	271.00
				2							49026 3	DP-18"-HX	70.00	49918 1	MOT HX	535.00
5BDU20	49806 1	900.00	173	1/3	49027 0	DP-20"-CB	75.00	49909 9	MOT CB	135.00						
				1/2	49028 7	DP-20"-DB	75.00	49910 5	MOT DB	137.50	49029 4	DP-20"-DX	75.00	49911 2	MOT DX	164.00
				3/4	49031 7	DP-20"-EB/EX	75.00	49912 9	MOT EB	235.00	49031 7	DP-20"-EB/EX	75.00	49913 6	MOT EX	200.00
				1	49032 4	DP-20"-FB/FX	75.00	49914 3	MOT FB	210.00	49032 4	DP-20"-FB/FX	75.00	49915 0	MOT FX	210.00
				1-1/2	49036 2	DP-20"-GB/GX	75.00	49916 7	MOT GB	285.00	49036 2	DP-20"-GB/GX	75.00	49917 6	MOT GX	271.00
				2							49038 6	DP-20"-HX	75.00	49918 1	MOT HX	535.00
5DBU24	49807 8	1,000.00	205	1/3	49039 3	DP-24"-CB	85.00	49909 9	MOT CB	135.00						
				1/2	49040 9	DP-24"-DB	85.00	49910 5	MOT DB	137.50	49041 6	DP-24"-DX	85.00	49911 2	MOT DX	164.00
				3/4	49042 3	DP-24"-EB/EX	85.00	49912 9	MOT EB	235.00	49042 3	DP-24"-EB/EX	85.00	49913 6	MOT EX	200.00
				1	49044 7	DP-24"-FB/FX	85.00	49914 3	MOT FB	210.00	49044 7	DP-24"-FB/FX	85.00	49915 6	MOT FX	210.00
				1-1/2	49046 1	DP-24"-GB/GX	85.00	49916 7	MOT GB	285.00	49046 1	DP-24"-GB/GX	85.00	49917 6	MOT GX	271.00
				2							49051 5	DP-24"-HX	85.00	49918 1	MOT HX	535.00
5BDU30	49808 5	1,800.00	305	1/2	49466 7	DP-30"-DB	100.00	49910 5	MOT DB	137.50	49052 2	DP-30"-DX	100.00	49911 2	MOT DX	164.00
				3/4	49053 9	DP-30"-EB/EX	100.00	49912 9	MOT EB	235.00	49053 9	DP-30"-EB/EX	100.00	49913 6	MOT EX	200.00
				1	49055 3	DP-30"-FB/FX	100.00	49914 3	MOT FB	210.00	49055 3	DP-30"-FB/FX	100.00	49915 6	MOT FX	210.00
				1-1/2	49057 7	DP-30"-GB/GX	100.00	49916 7	MOT GB	285.00	49057 7	DP-30"-GB/GX	10000	49917 6	MOT GX	271.00
				2							49060 7	DP-30"-HX	10000	49918 1	MOT HX	535.00
				3							49061 4	DP-30"-JX	100.00	49919 8	MOT JX	632.00
				5							49062 1	DP-30"-KX	100.00	49920 4	MOT KX	541.00
5BDU36	49809 2	2,600.00	385	3/4	49063 8	DP-36"-EB/EX	115.00	49912 9	MOT EB	235.00	49063 8	DP-36"-EB/EX	115.00	49913 6	MOT EX	200.00
				1	49065 2	DP-36"-FB/FX	115.00	49914 3	MOT FB	210.00	49065 2	DP-36"-FB/FX	115.00	49915 6	MOT FX	210.00
				1-1/2	49067 6	DP-36"GB/GX	115.00	49916 7	MOT GB	285.00	49067 6	DP-36"GB/GX	115.00	49917 6	MOT GX	271.00
				2							49069 0	DP-36"-HX	11500	49918 1	MOT HX	535.00
				3							49070 6	DP-36"-JX	115.00	49919 8	MOT JX	632.00
				5							49072 0	DP-36"-KX	115.00	49920 4	MOT KX	541.00

DID YOU KNOW...

Fantech's Technical Support Professionals can cross reference your Roof Fan schedules to provide you with the project assistance you need.

USA • 800.747.1762

5FSU Series
Filtered Supply Unit

Fantech, Inc. certifies that the Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Belt-drive filtered supply units are designed to be installed on the roof or wall (15" and 18" units roof-mount only). The single-sided units provide filtered supply air to industrial and commercial buildings and can easily be used in commercial or industrial kitchen applications. Units include one set of 1" washable aluminum filters.

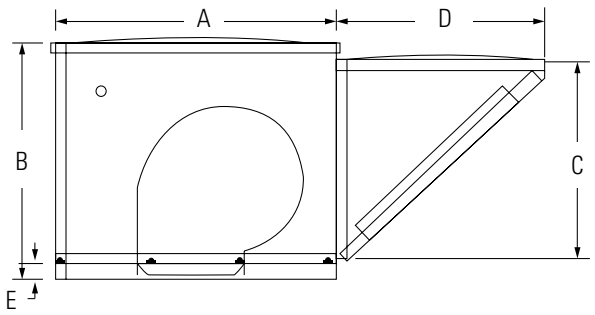
- All ventilators are UL 705 Standard listed
- AMCA licensed for sound and air
- Lifting lugs are standard on all sizes for ease of transport
- Galvanized metal housing and base
- Variable pitch sheaves to allow speed and CFM adjustments

Specification data

Model	Rated power	Voltage / phase	RPM	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.75" P_s	1.00" P_s	1.25" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}	cfm							lbs		USD
				Max BHP † | LWA #									
5FSU 10BB	1/4	120/230 / 1	689	1647 0.29 | -	1387 0.29 | 81	1044 0.29 | -	184 0.29 | -	- -	- -	- -	183	47640 3	973.00
5FSU 10CB	1/3	120/230 / 1	760	1863 0.38 | -	1637 0.38 | 82	1377 0.38 | -	697 0.38 | -	- -	- -	- -	185	47508 6	1,042.00
5FSU 10DB	1/2	120/230 / 1	870	2184 0.58 | -	2000 0.58 | 82	1792 0.58 | -	1557 0.58 | -	334 0.58 | -	- -	- -	198	47354 9	1,100.00
5FSU 10FB	1	120/230 / 1	1090	2811 1.13 | -	2679 1.13 | 84	2527 1.13 | -	2368 1.13 | -	2011 1.13 | -	1420 1.13 | -	- -	197	47355 6	1,136.00
5FSU 12EB	1	120/230 / 1	725	3021 0.79 | -	2769 0.79 | 79	2468 0.79 | -	2053 0.79 | -	344 0.79 | -	- -	- -	291	48670 9	1,373.00
5FSU 15FB	1	120/230 / 1	670	3963 1.13 | -	3671 1.13 | 78	3345 1.13 | -	2931 1.13 | -	1283 1.13 | -	336 1.13 | -	- -	303	47776 9	1.518.00
5FSU 15GB	1-1/2	120/230 / 1	745	4464 1.56 | -	4216 1.56 | 81	3933 1.56 | -	3616 1.56 | -	2780 1.56 | -	1079 1.56 | -	340 1.56 | -	309	47359 4	1,579.00
5FSU 18GB	1-1/2	120/230 / 1	592	5409 1.50 | -	4989 1.50 | 79	4515 1.50 | -	4043 1.50 | -	2386 1.50 | -	809 1.50 | -	- -	449	47361 7	2,109.00

Performance certified is for installation type B: Free Inlet, Ducted Outlet. Performance ratings include the effects of filters.
† Power ratings (BHP) do not include transmission losses. The A-weighted sound ratings are calculated per AMCA Standard 301.
# Values shown are for total LWA sound power levels for Installation Type B: Free Inlet, Ducted Outlet. Ratings include the effects of duct end correction for the outlet duct.

Dimensions



Model	A	B	C	D	E
5FSU 10BB	30	25	21	22	1 1/2
5FSU 10CB	30	25	21	22	1 1/2
5FSU 10DB	30	25	21	22	1 1/2
5FSU 10FB	30	25	21	22	1 1/2
5FSU 12EB	34 1/2	32	26	30	2
5FSU 15FB	34 1/2	32	26	30	2
5FSU 15GB	34 1/2	32	26	30	2
5FSU 18GB	42	36	31	33	2

Dimensional information is in inches.

Accessories

5ACC.. MS
Motor disconnect
page 198

In an indoor growing operation, ventilation is a must.

1

1ACC 36MD
Motorized damper

$509.-

Greenhouse

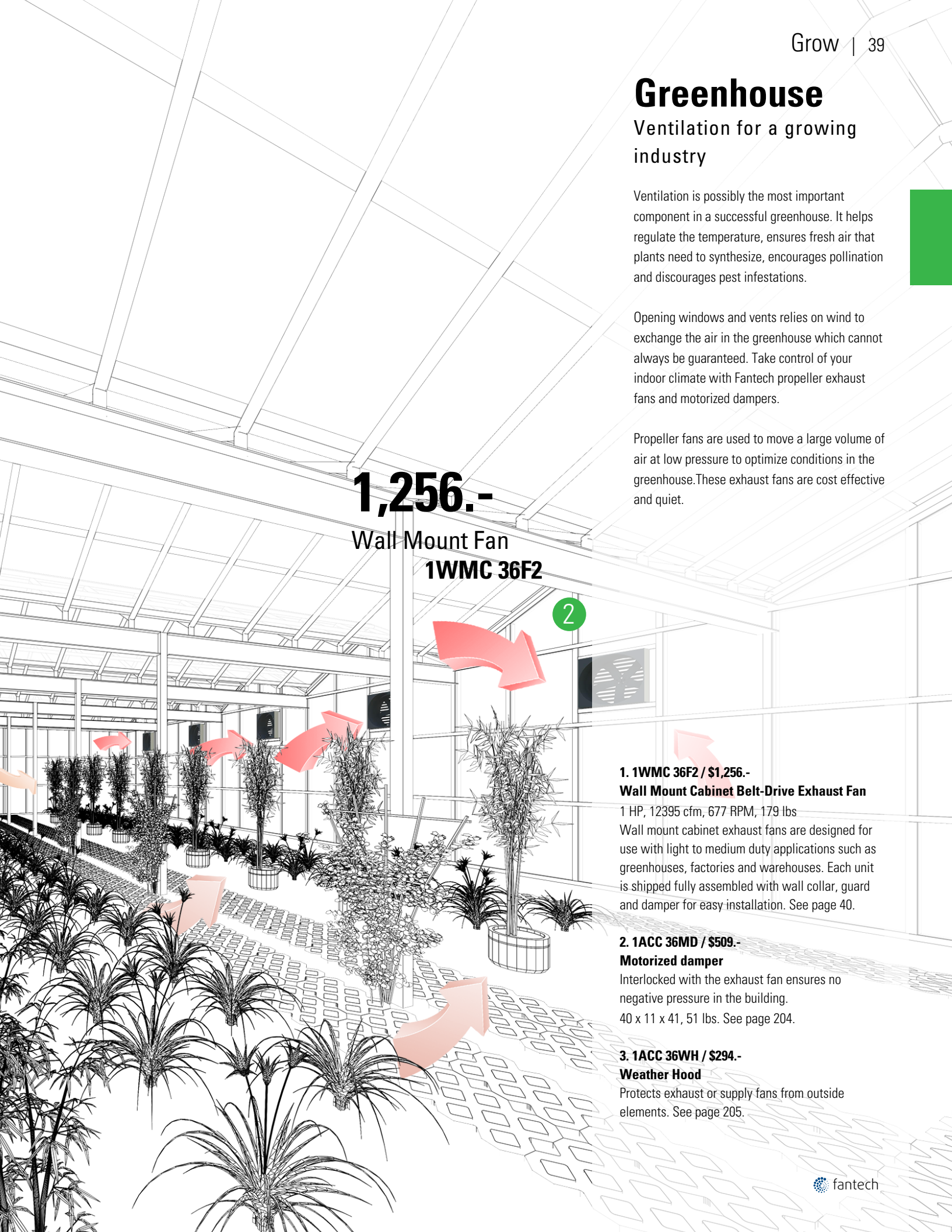
Ventilation for a growing industry

Ventilation is possibly the most important component in a successful greenhouse. It helps regulate the temperature, ensures fresh air that plants need to synthesize, encourages pollination and discourages pest infestations.

Opening windows and vents relies on wind to exchange the air in the greenhouse which cannot always be guaranteed. Take control of your indoor climate with Fantech propeller exhaust fans and motorized dampers.

Propeller fans are used to move a large volume of air at low pressure to optimize conditions in the greenhouse.These exhaust fans are cost effective and quiet.

1,256.-
Wall Mount Fan
1WMC 36F2



1. 1WMC 36F2 / $1,256.-
Wall Mount Cabinet Belt-Drive Exhaust Fan
1 HP, 12395 cfm, 677 RPM, 179 lbs
Wall mount cabinet exhaust fans are designed for use with light to medium duty applications such as greenhouses, factories and warehouses. Each unit is shipped fully assembled with wall collar, guard and damper for easy installation. See page 40.

2. 1ACC 36MD / $509.-
Motorized damper
Interlocked with the exhaust fan ensures no negative pressure in the building.
40 x 11 x 41, 51 lbs. See page 204.

3. 1ACC 36WH / $294.-
Weather Hood
Protects exhaust or supply fans from outside elements. See page 205.

1WMC Series
Wall Mount Cabinet Exhaust Fans

Fantech, Inc. certify that the Wall Mount Cabinet Exhaust Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Wall Mount Cabinet Exhaust fans are designed for use with light to medium duty applications such as greenhouses, factories and warehouses. Each unit is shipped fully assembled with wall collar, guard and damper for easy installation.

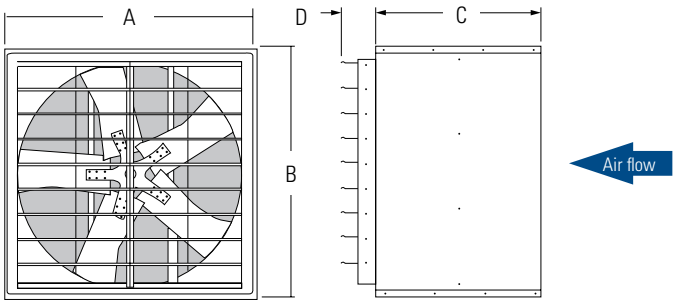
- All ventilators are UL Standard 705 listed
- Wall-mounting brackets included
- All galvanized steel construction with powder-coated propellers
- Maximum inlet temperature is 120°F
- High-efficiency propellers and press-fit pillow block bearings
- Variable pitch sheaves allow reduction of fan speed and air performance up to 25%
- Shipped ready to install

Specification data

Model	Rated power	Voltage / phase	RPM	Max BHP#	0.0" P_s	0.125" P_s	0.25" P_s	Sones† @ 0.125" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}		cfm				lbs		USD
1WMC 24D2	1/2	120 / 1	800	0.56	5230	4410	3530	16.1	141	47065 4	941.00
1WMC 30E2	3/4	120 / 1	680	0.81	8645	7430	5835	16.7	169	47066 1	1,101.00
1WMC 30FY	1	120 / 1	750	1.09	9535	8455	7130	22.0	176	47457 7	1,092.00
1WMC 36F2	1	120 / 1	585	0.99	12395	10640	8125	20.0	202	47067 8	1,256.00
1WMC 36GY	1-1/2	120 / 1	677	1.53	14345	12880	11160	26.0	204	47068 5	1,253.00
1WMC 42GY	1-1/2	120 / 1	530	1.42	17540	14745	10800	22.0	252	47070 8	1,414.00
1WMC 48HY	2	120 / 1	480	1.82	23295	20310	14720	25.0	305	47072 2	1,638.00

Performance certified is for installation type A: Free Inlet, Free Outlet.
Power rating (BHP) does not include transmission losses.Performance ratings include the effects of shutter and guard.
† The sound ratings are loudness in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Dimensions



Model	A	B	C	D (max)
1WMC 24D2	28 1/4	28 1/4	24 1/4	6
1WMC 30E2	34 1/4	34 1/4	25 1/4	6
1WMC 30FY	34 1/4	34 1/4	25 1/4	6
1WMC 36F2	40 1/4	40 1/4	26 1/4	6
1WMC 36GY	46 1/4	46 1/4	28 1/4	6
1WMC 42GY	54 1/4	54 1/4	28 1/4	6
1WMC 48HY	60 1/4	60 1/4	47 3/4	6

Dimensional information is in inches.

Accessories

1ACC.. WH
Weatherhood
page 205

5ACC.. MS
Motor disconnect
page 198

FADE Series
Axial Fans

Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Fantech's FADE Series axial fans are designed to effectively and quietly handle major ventilation challenges in locations such as large warehouses without taking up a lot of valuable space.

All FADE Series fans combine aerodynamically designed propeller blades and rotor motor into one expertly integrated unit. Fans feature a heavy gauge galvanized steel and powdercoated finish casing. With fan sizes ranging from 8" to 25", Fantech's FADE Series fans move a lot of air, yet are statically and dynamically balanced for vibration-free operation. The external rotor motorized propeller provides excellent heat dissipation, even at low RPM. Rated for continuous duty.

- Airflow up to 7858 cfm
- 100% speed-controllable
- Shallow profile with no protruding motor
- Suitable for airstream temperatures up to 100° F
- All fans include motor side guards as standard

FADE WHD Series*

FADE Series

Specification data

Model	Rated power	Voltage / Phase	Max. Amps	RPM	0.0" P_s	0.1" P_s	0.25" P_s	0.375" P_s	0.5" P_s	Sones†	Weight	UPC #	List price
	W		A		cfm						lbs		USD
FADE 8-4	45	120 / 1	0.41[1]	1550	304	246	74	-	-	4.1	15	34084 1	228.00
FADE 10-4	68	120 / 1	0.62[1]	1500	624	558	377	132	-	7.9	15	34104 6	260.00
FADE 12-4 / FADE 12-4 WHD	130	120 / 1	1.19[1]	1400	1208	1069	797	-	-	9.4	20	34124 4 / 45422 7	313.00 / 551.00
FADE 14-4 / FADE 14-4 WHD	245	120 / 1	2.24[1]	1200	1839	1654	1295	-	-	9.6	20	34144 2 / 45423 4	387.00 / 604.00
FADE 16-4 / FADE 16-4 WHD	458	120 / 1	4.19[2]	1400	3054	2882	2570	2198	1699	12.0	25	34164 0 / 45424 1	461.00 / 774.00
FADE 18-4 / FADE 18-4 WHD	698	120 / 1	6.39[2]	1550	4115	3895	3549	3239	2908	14.3	30	34184 8 / 45425 8	721.00 / 975.00
FADE 20-4 / FADE 20-4 WHD	1450	120 / 1	8.39[2]	1450	4949	4682	4274	3917	3445	16.4	45	34204 3 / 45427 2	859.00 / 1,187.00
FADE 20-6 / FADE 20-6 WHD	435	120 / 1	3.98[1]	1100	3693	3368	2775	1429	-	10.7	45	34206 7 / 45426 5	779.00 / 1,113.00
FADE 22-6 / FADE 22-6 WHD	756	120 / 1	6.92[2]	1000	5629	5248	4432	-	-	12.0	55	34226 2 / 45429 6	1,071.00 / 1,410.00
FADE 25-6 / FADE 25-6 WHD	1134	120 / 1	10.38[3]	1000	7858	7355	6557	-	-	14.8	65	34256 2 / 45431 9	1,267.00 / 1,611.00

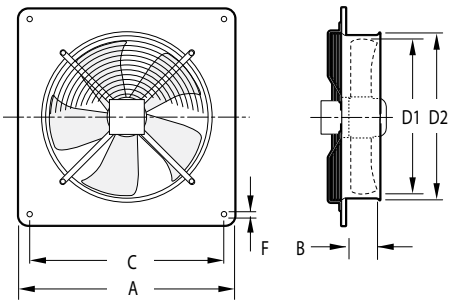
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of intake guard. The sound ratings shown are loudness values in fan sones at 5ft (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

* WHD model fan is fully assembled and includes a wall cabinet and a backdraft damper

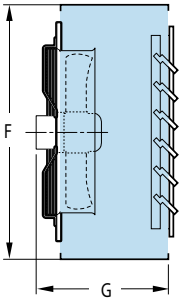
[1] Recommended speed control rating 5A [2] Recommended speed control rating 10A [3] Recommended speed control rating 15A

Dimensions

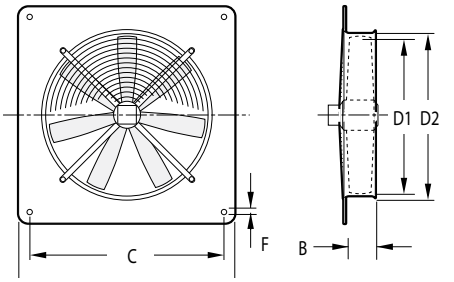
FADE S Blade Type



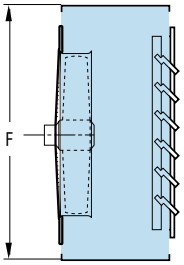
FADE WHD S Blade Type



FADE A Blade Type



FADE WHD A Blade Type



Model	A	B	C	D1	D2	E	F	G	Blade Type
FADE 8-4	12 5/16	2	10 1/4	7 3/4	8 1/16	1/4	-	-	S
FADE 10-4	14 9/16	2	12 5/8	10	10 5/16	1/4	-	-	S
FADE 12-4 / FADE 12-4 WHD	17	3	15	12	12 7/8	5/16	21	15 1/2	S
FADE 14-4 / FADE 14-4 WHD	19 3/16	3 1/8	17 1/8	14	15 3/8	5/16	21	15 1/2	S
FADE 16-4 / FADE 16-4 WHD	22 3/4	3 1/2	21	16 1/2	17 1/4	3/8	24	16 1/2	S
FADE 18-4 / FADE 18-4 WHD	22 9/16	4 1/4	21	18	18 1/2	3/8	24	16 1/2	S
FADE 20-4 / FADE 20-4 WHD	25 3/16	4 1/2	24 1/4	20	20 1/2	3/8	26	17 1/2	A
FADE 20-6 / FADE 20-6 WHD	25 3/16	4 1/2	24 1/4	20	20 1/2	3/8	26	17 1/2	A
FADE 22-6 / FADE 22-6 WHD	28 5/8	5 1/4	26 9/16	22	22 1/2	3/8	32	18 3/4	A
FADE 25-6 / FADE 25-6 WHD	31 3/4	6	29 1/2	25	25 1/2	3/8	32	18 3/4	A

Dimensional information is in inches.

Accessories

1ACC.. WH
Weatherhood
page 205

WC 15
Speed Control
page 198

RPE
Speed Control
page 198

FAT10
Attic Thermostat
page 199

2VLD Series
Direct Drive Medium Duty Propeller Fans

Fantech, Inc. certify that the Axial Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Medium duty exhaust fans are designed for general ventilation in dusty, dirty and grease or moisture-laden environments.

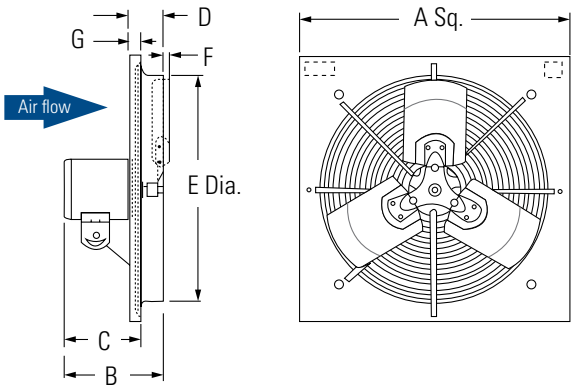
- Wire guards and venturi panels have baked-on gray polyester finish to help resist corrosion
- Totally enclosed, sleeve bearing
- Speed-controllable
- Shipped ready to install

Specification data

Model	Rated power	Voltage / phase	Amperage full load	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	Sones @ 0.125" P_s	Shipping weight	UPC #	List price
	HP	V / ~	Amps	min^{-1}	cfm					lbs		USD
2VLD 1221	1/30	120 / 1	1.4	1550	845	665	315	-	7.8	14	47114 9	147.00
2VLD 1661	1/20	120 / 1	1.6	1520	1170	885	560	-	13.6	18	47115 6	193.00
2VLD 18B1	1/4	120 / 1	3.9	1150	2500	2130	1590	1025	10.4	28	47116 3	308.00
2VLD 20B1	1/4	120 / 1	4.9	1165	3440	2995	2310	1450	12.5	36	47117 0	345.00
2VLD 24B1	1/4	120 / 1	4.1	1150	3455	2985	2410	1580	12.8	36	47118 7	422.00

Performance certified is for installation type A: Free Inlet, Free Outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of shutter and guard. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A, hemispherical sone levels.

Dimensions

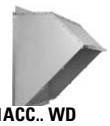


Model	A	B	C	D	E	F	G
2VLD 1221	16	5 3/16	3 11/16	2 1/2	12 3/8	3/4	1
2VLD 1661	20	6 3/16	4 7/16	2 3/4	16 7/16	9/16	1
2VLD 18B1	22	8	6 1/16	2 15/16	18 7/16	1 1/2	1
2VLD 20B1	24	9 5/8	7 1/2	3 3/16	20 1/2	11/16	1
2VLD 24B1	28	8 1/2	6	3 5/8	24 3/8	1/2	1

Dimensional information is in inches.

Accessories

1ACC.. WH
Weatherhood
page 205



1ACC.. WD
Wall Damper
page 205

5ACC..SC
Speed Control
page 198

5ACC.. MS
Motor disconnect
page 198

2SHE Series
Direct Drive Shutter Fans

Fantech, Inc. certifies that the Shutter Mounted Exhaust Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Shutter mounted exhaust fans are widely used for ventilating warehouses, stores, factories, workshops, greenhouses and farm buildings. Shutter frames with prepunched mounting holes allow for easy installation.

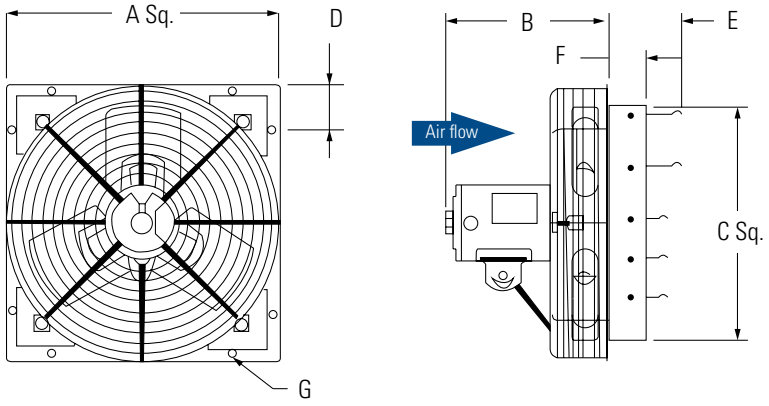
- All ventilators are UL 705 Standards listed
- Heavy duty guards have gray polyester coating to resist corrosion
- OSHA compliant guards
- Totally enclosed motors
- Speed controllable (except 2SHE 30C1 and 2SHE 36D1)
- Shipped ready to install
- 2SHE07 thru 2SHE24 blades are manufactured from aluminum, 2SHE30 and 2SHE36 blades are manufactured from galvanized steel.

Specification data

Model	Rated power	Voltage / phase	RPM	Bearing type	Amperage full load	0.0" P_s	0.125" P_s	0.25" P_s	Sones @ 0.0" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}		Amps	cfm				lbs		USD
2SHE 0721	1/30	120 / 1	1725	Sleeve	1.4	140	-	-	4.8	15	47096 8	141.00
2SHE 1021	1/30	120 / 1	1585	Sleeve	1.4	585	285	-	6.6	10	47097 5	132.00
2SHE 1221	1/30	120 / 1	1570	Sleeve	1.4	800	470	-	7.6	21	47098 2	151.00
2SHE 1621	1/20	120 / 1	1550	Sleeve	1.5	1095	720	-	8.0	19	47099 9	198.00
2SHE 1871	1/15	120 / 1	1075	Sleeve	1.2	1860	850	-	8.4	22	47100 2	259.00
2SHE 20B1W	1/4	120 / 1	1150	Sleeve	4.6	2830	2250	1235	11.3	39	47102 6	357.00
2SHE 24B1W	1/4	120 / 1	1150	Ball	3.7	3240	2485	1110	11.4	39	47103 3	401.00
2SHE 30C1*	1/3	120 / 1	850	Ball	4.4	6075	4195	2150	13.5	65	47104 0	510.00
2SHE 36D1*	1/2	120 / 1	850	Ball	5.6	8225	6480	2935	14.7	75	47105 7	582.00

Performance certified is for installation type A, Free Inlet, Free Outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of guard and shutter. The sound ratings shown are loudness values in fan sones at 5 ft in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A, Free Inlet hemispherical sone levels.
* Single speed motor

Dimensions



Model	A	B	C	D	E	F	G
2SHE 0721	11 1/8	4 15/16	8 1/2	3 9/16	5 3/4	3	1/4 X 1/2
2SHE 1021	13 1/8	5 3/7	10 1/2	10 1/2	5 3/4	3	1/4 X 1/2
2SHE 1221	15 1/8	6	13	3 9/16	5 3/4	3	1/4 X 1/2
2SHE 1621	19 1/8	6 13/16	17	10 1/2	5 3/4	3	1/4 X 1/2
2SHE 1871	21 1/8	8 1/2	18 1/2	3 9/16	5 3/4	3	1/4 X 1/2
2SHE 20B1W	23 1/8	10 3/4	21	10 1/2	5 3/4	3	1/4 X 1/2
2SHE 24B1W	27 1/8	9 3/4	25	3 9/16	5 3/4	3	1/4 X 1/2
2SHE 30C1	33 1/8	13 1/3	31	10 1/2	5 3/4	3	1/4 X 1/2
2SHE 36D1	39 1/8	13 1/8	37	10 1/2	5 3/4	3	1/4 X 1/2

Dimensional information is in inches.

Accessories

5ACC..SC
Speed Control
page 198

FAT10
Attic Thermostat
page 199

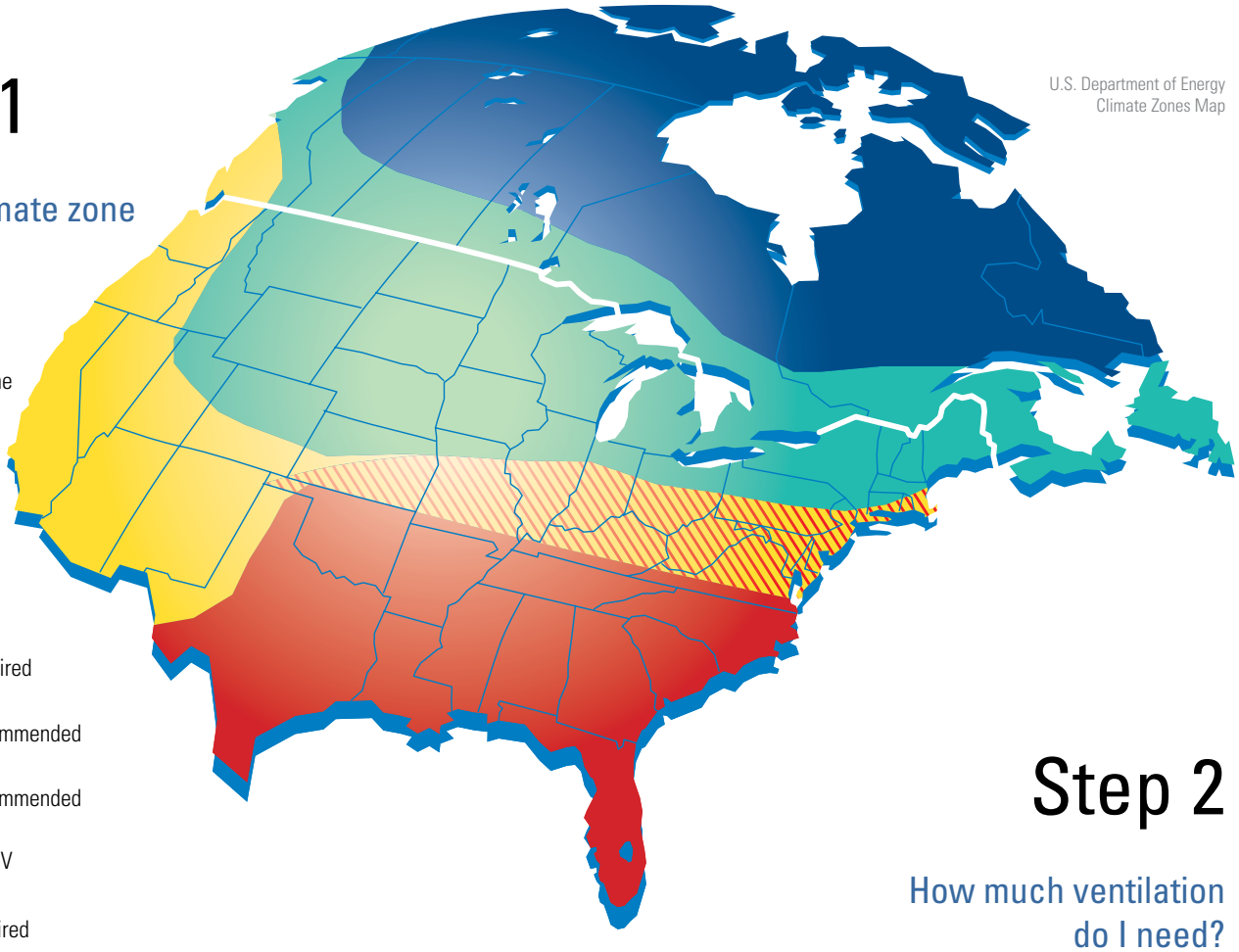
We know that proper ventilation is an everyday need – every day of your life.

Two simple steps to help you choose the ideal unit for your living space

Step 1

In what climate zone do I live?

Browse the climate conditions where you live to determine whether you need a Heat Recovery Ventilator or an Energy Recovery Ventilator.



U.S. Department of Energy Climate Zones Map

- HRV Required
- HRV Recommended
- HRV Recommended
- HRV or ERV
- ERV Required

HRVs are usually recommended for colder climates with longer heating seasons. ERVs are used for warmer more humid climates with long cooling seasons.

Living area	Number of bedrooms				
	0-1	2-3	4-5	6-7	> 7
sq.ft.	cfm				
< 1,500	30	45	60	75	90
1,500 - 3,000	45	60	75	90	105
3,001 - 4,500	60	75	90	105	120
4,501 - 6,000	75	90	105	120	135
6,001 - 7,500	90	105	120	135	150
> 7,500	105	120	135	150	165

Table 1. Ventilation needs of a home, ASHRAE 62.2

Step 2

How much ventilation do I need?

The American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) has developed a guideline to evaluate the minimum ventilation needs of a home according to ASHRAE Standard 62.2, Ventilation for Acceptable Indoor Air Quality.

The standard defines whole house and local ventilation needs. Whole house ventilator sizing is based on the home's overall liveable surface area and the number of bedrooms. The whole house ventilation is the continuous ventilation rate required to meet the minimum requirements of the standard, represented in the table to the left.

Along the left side of the table simply select the size of the home; then find the corresponding line matching the number of bedrooms; the resulting number is the amount of CFM you will need in a whole house ventilator. An HRV/ERV can also be used to meet local ventilation needs if a dedicated duct system exist otherwise bathroom and kitchen exhaust may be required to meet minimum ventilation needs.

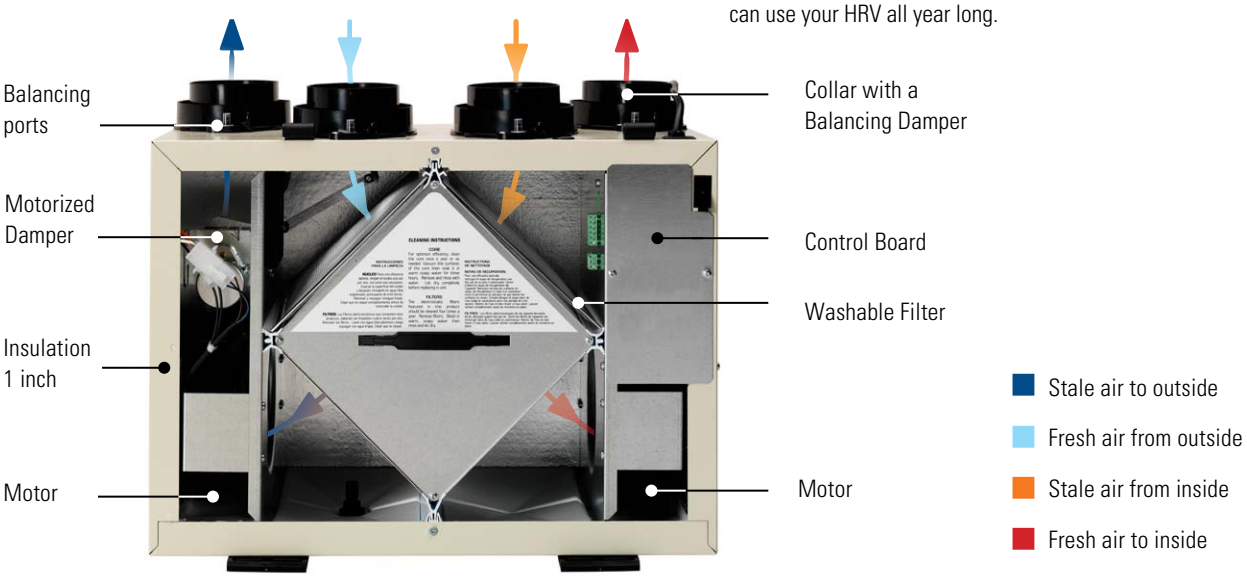
How Do They Work?

Energy Recovery Ventilators (ERVs)

Fantech's ERV works much like the HRV but it is equipped with a different type core. The enthalpy core at the center of the unit transfers heat and moisture from the incoming air to the outgoing air that was cooled and dried by the building's air conditioner. The air brought into the living area is cooled and the humidity is reduced for maximum comfort. The load on your air conditioner is less and you save on cooling costs.

Heat Recovery Ventilators (HRVs)

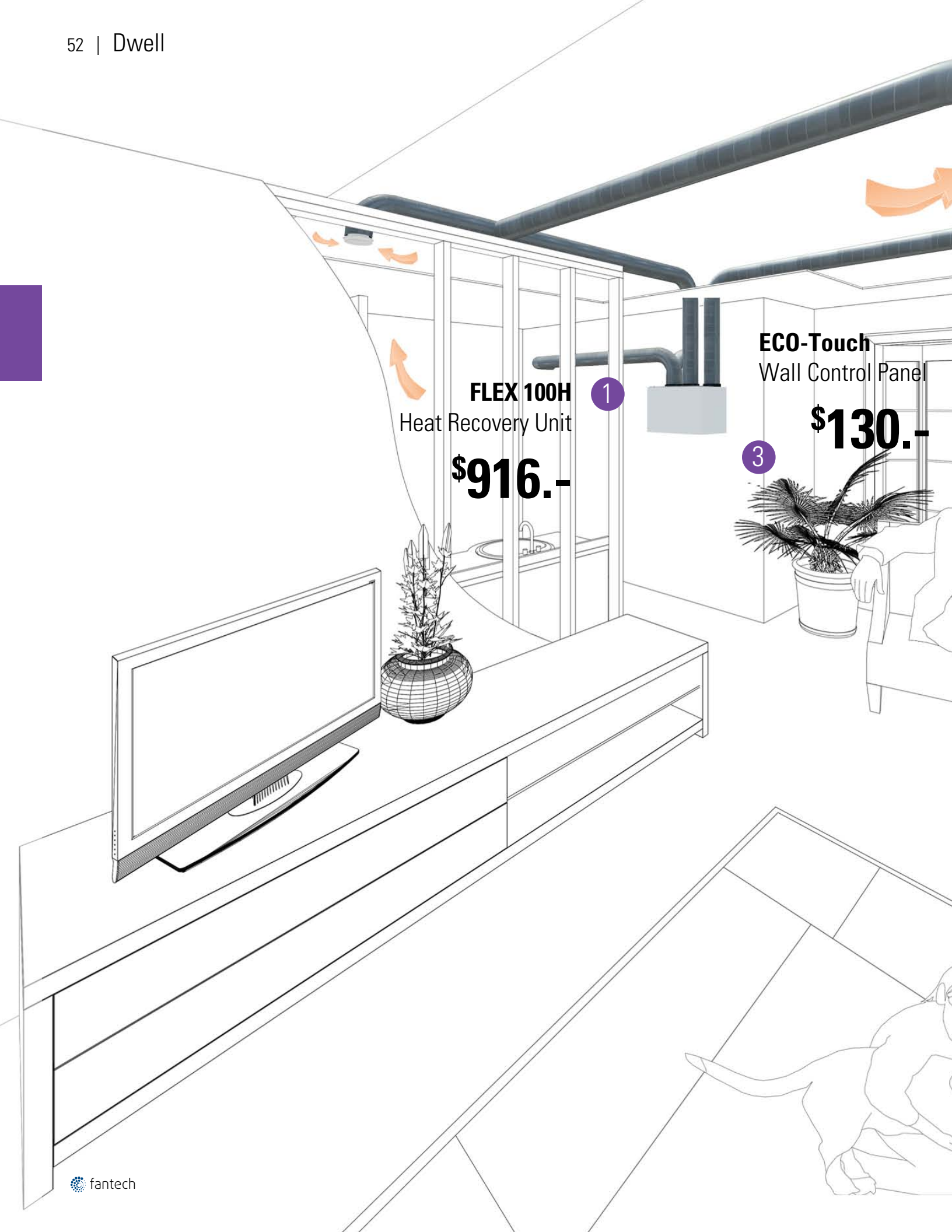
An HRV is designed to bring a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. HRVs use what is called a "sensible" heat recovery core. This special aluminum core transfers heat from the exhaust air stream to the incoming air stream. During winter fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. Fantech HRVs are equipped with automatic defrost mechanisms so even if you live in the coldest climates you can use your HRV all year long.



Product Key:

SER 2004N
- No Defrost
- Number of ports
- Airflow (cfm)
- **S** = Side ports
- **E** = Energy Recovery Ventilator
- **R** = Remote Control

VHR 1405R
- Defrost **R**ecirculation
- Number of ports
- Airflow (cfm)
- **V** = Vertical ports
- **H** = Heat Recovery Ventilator
- **R** = Remote Control


FLEX 100H
1
Heat Recovery Unit
$916.-
ECO-Touch
Wall Control Panel
$130.-
3
fantech

Condominiums

Many homes, many needs - one solution

Homes today are tighter and more energy efficient than they were 20 years ago, however they trap stale air indoors, which leads to poor indoor air quality and possible health problems.

What can you do about it?

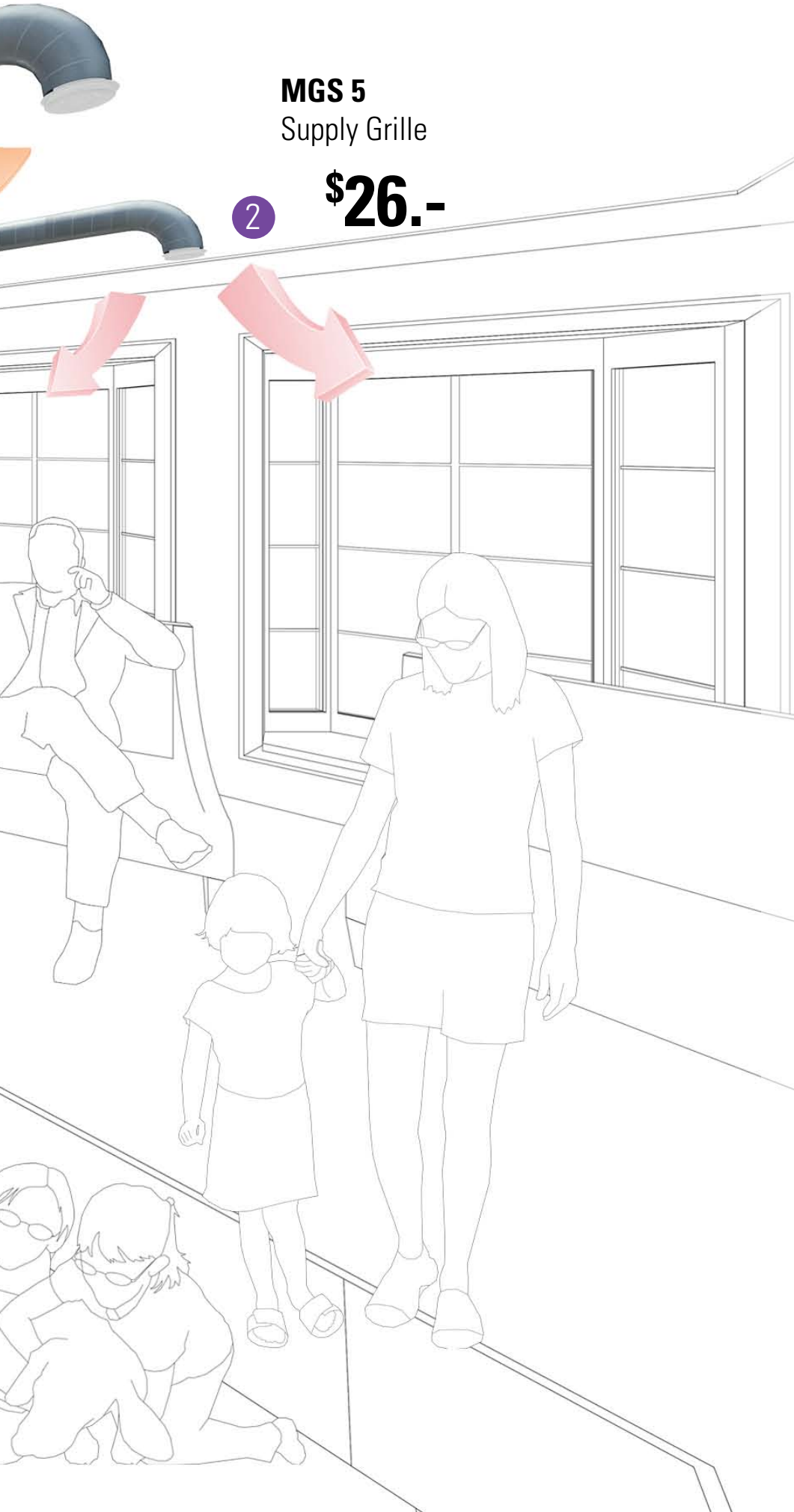
Installing a Fantech FLEX 100H can significantly improve the quality of the indoor air you breathe. The FLEX 100H's balanced ventilation technology replaces stale indoor air with an identical amount of fresh air. Balanced ventilation has a number of advantages over exhaust-only ventilation such as not drawing pollutants into living space, faster dilution of pollutants and better fresh air distribution.

Well suited for condos, apartments and single and multi family homes, the FLEX 100H can fit almost anywhere (such as in a 24" closet space). Outgoing polluted air passes through a special aluminum recovery core transferring up to 80% of the heat energy to the incoming cool fresh air. At no time does the stale and fresh air streams mix.

1. FLEX 100H / $916.-
Heat Recovery Ventilator
Up to 100 CFM of continuous balanced ventilation. Turbo Touch (TM) features provides up to 50% more intermittent ventilation. Integrated air flow measurement and damper system for easy balancing. Duct diameter (inlet/outlet): 5"
See page 54.

2. MGS 4/ $26.-
Supply Grille
The supply grille is suitable for visible connection and can be connected throughout a transition to the duct using the connection sleeve fitted with a rubber seal tested for air tightness. See page 196.

3. Eco-Touch™ / $130.-
Electronic Programmable Wall Control
Principal ventilation controller for HRV/ERV featuring an attractive, Indigo blue, backlit touchscreen. The intuitive control is easily programmable for automatic (ECO Mode) operation. Manual override is simple for boost ventilation needs. See page 199.



FLEX 100H
Heat Recovery Ventilator

As Fantech's masterpiece of versatility, features and efficiency, the Flex 100H is ideal for high-rise apartment applications, condominiums, single and multi family homes. With its compact top port design featuring 5 inch oval collars and the included EZ-Mount™ wall bracket, the Flex 100H can be installed in spaces as small as 24 inches, such as a closet or maintenance room.

Unlike traditional HRVs that require excessive power to meet supplemental ventilation needs, the compact, yet powerful Flex 100H allows for sizing based entirely on principal ventilation requirements. With its exclusive TurboTouch™ feature, the Flex 100H can deliver up to 50% more exhaust capacity to easily meet supplemental ventilation needs whenever additional airflow is required.

- Airflow up to 105 cfm serves 1 to 7 bedroom homes
- Top-mounted ports for easier duct connectivity
- Unobstructed front access
- The TurboTouch feature delivers up to 50% more exhaust capacity
- Aluminum core provides superior heat transfer capability
- Integrated airflow measurement system allows for rapid and accurate reading of airflow during installation

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s
Net supply air flow	146	129	116	105	96	88	80	73
Gross supply air flow	148	132	118	107	97	89	82	74
Gross exhaust airflow	148	133	120	107	95	84	73	63

Energy performance

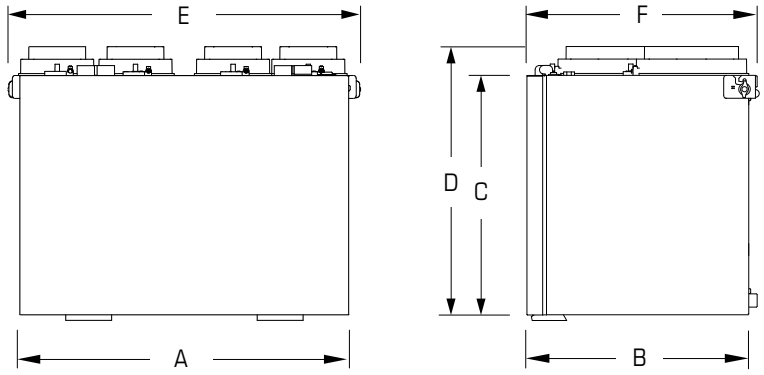
Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	52	56	70	80	-0.08
	32	69	56	67	75	-0.06
	32	99	102	64	73	-0.04
	-13	72	98	66	78	0.00

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
Flex 100H*	5	120 / 1	168	1.4	105	Top	Recirculation	46	44001 5	916.00

* This product earned the ENERGY STAR® by meeting strict efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

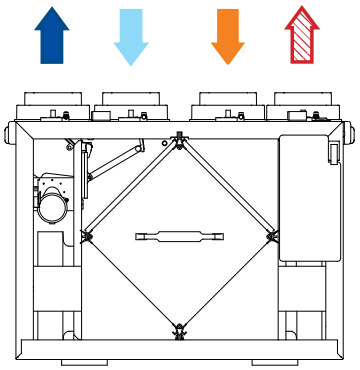
Dimensions



Model	A	B	C	D	E	F
Flex 100H	21 1/2	14 1/2	15 5/8	17 8/9	22 1/2	15

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside

= stale air from inside

= stale air to outside

Specifications

- Model: FLEX 100H
- Total assembled weight: 46 lbs
- Mounting: Wall bracket included as standard
- Motors: Permanently sealed motors, backward curved blades
- Supply & Exhaust ducts: 5"oval
- Insulated with high density polystyrene foam
- Core: Aluminum, 8.5" x 8.5" x 12"
- Filters: 2 washable electrostatic filters 8.5" x 12.5" x 0.125"
- Cabinet: 24 ga. steel w/powder coat finish

Accessories

Eco-Touch™
Wall Control
page 199

RTS 5
Electronic Timer
page 199

EDF 1R
Electronic Control
page 199

MDEH
Dehumidistat
page 199

COM
Plastic Hood
page 200

MGS
Supply Grille
page 196

MGE
Exhaust Grille
page 197

FIDT
Insulated Flex Duct
page 201

$999.-

FOR THE KIT

EXTRA FUNCTIONS AND SAVINGS SHOULD ALWAYS GO TOGETHER

We believe extra functionality shouldn't cost more. That's why we designed the Flex 100H Heat Recovery Ventilator. With its exclusive TurboTouch™ feature, the ventilator can deliver up to 50% more exhaust capacity to easily meet supplemental ventilation needs whenever additional airflow is required. Along with the Eco-Touch wall control panel it delivers an unbeatable combination of improved air quality, energy savings and reliable performance year after year. **Ask for FLEX 100H-K.**

VH 704
Heat Recovery Ventilator

As the Fantech's smallest and most compact top duct connection HRV, the VH 704 unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The VH 704 is equipped with automatic defrost mechanisms so even if you live in the coldest climates you can use your HRV all year long.

Unit is designed to operate continuously on a single speed. The automatic defrost cycle consists of a fan shutdown: when the supply air stream temperature goes below 23°F, the supply motor shuts down, while the exhaust motor continues to ventilate. Ambient air is passed through the unit for a period of 3 or 5 minutes. The supply motor will then re-start and run at the preset speed.

- Airflow up to 56 cfm @ 0.4" P_s serves 1 to 2 bedroom homes
- Single speed ventilation; no controls needed
- Includes easy-mount wall bracket

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s
Net supply air flow	96	85	67	56	42
Gross supply air flow	100	88	70	58	43
Gross exhaust airflow	104	88	73	59	43

Defrost cycle time

Temperature range °F	Run / Defrost time (min)
23 to 14	40 / 3
14 to 5	30 / 5
5 & lower	20 / 5

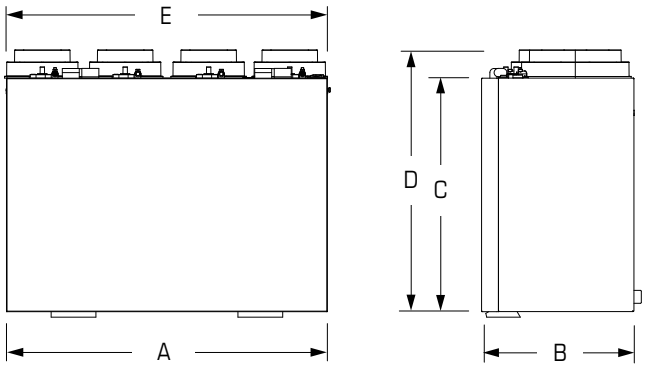
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	55	36	57	67	-
	32	67	40	55	64	-
	32	84	40	54	60	-
	-13	73	35	53	66	-

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VH 704	4	120 / 1	48	0.4	56	Top	Fan shutdown	32	40358 4	723.00

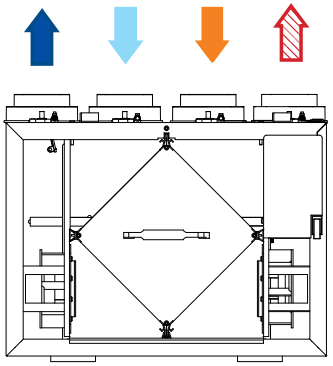
Dimensions



Model	A	B	C	D	E
VH 704	22 1/2	17 1/5	15 2/3	17 8/9	22 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside

= stale air from inside

= stale air to outside

Specifications

- Model: VH 704
- Total assembled weight: 32 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 4"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF
- Core: Aluminum, 8.5˝ x 8.5˝ x 8˝
- Filters: 2 washable filters, 8.5˝ x 8˝ x 0.125˝

Accessories

FTD 7
7 Day Timer
page 199

FEL
Elbow
page 200

MGS
Supply Grille
page 196

MGE
Exhaust Grille
page 197

COM
Plastic Hood
page 200

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VHR 704
Heat Recovery Ventilator

As the Fantech's most compact, full-featured HRV, the VHR 704 unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The VHR 704 is equipped with automatic defrost mechanisms so you can use your HRV all year long.

A preset defrost sequence is activated at an outdoor air temperature of 23°F and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches to high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues the cycle.

- Airflow up to 56 cfm @ 0.4" P_s serves 1 to 3 bedroom homes
- Top port design fits in tight spaces
- Three speed ventilation control
- Compatible with Fantech's low-voltage controls

Maximum continuous airflow

cfm / in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s
Net supply air flow	96	85	67	56	42
Gross supply air flow	100	88	70	58	43
Gross exhaust airflow	104	88	73	59	43

Defrost cycle time

Temperature range °F	Run / Defrost time (min)
23 to 14	40 / 3
14 to 5	30 / 5
5 & lower	20 / 5

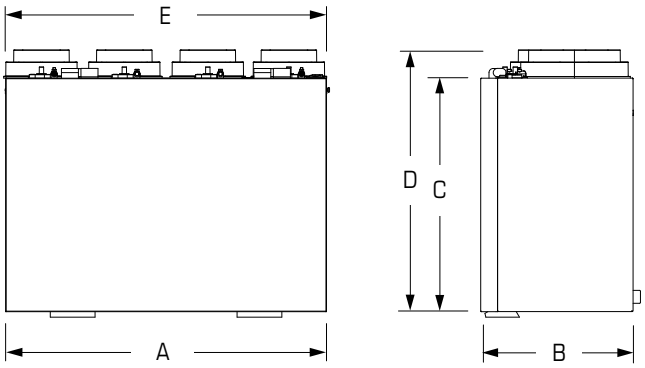
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	55	36	57	67	-
	32	67	40	55	64	-
	32	84	40	54	60	-
	-13	73	35	53	66	-

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VHR 704	4	120 / 1	48	0.4	58	Top	Fan shutdown	35	40392 8	798.00

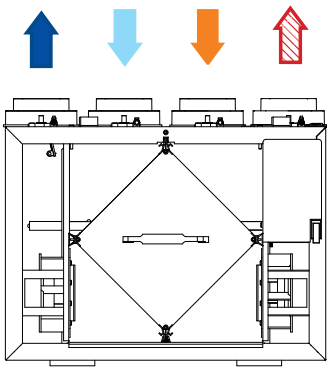
Dimensions



Model	A	B	C	D	E
VH 704	22 1/2	17 1/5	15 2/3	17 8/9	22 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside

= stale air from inside

= stale air to outside

Specifications

- Model: VHR704
- Total assembled weight: 26 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 4"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF
- Core: Aluminum, 8.5˝ x 8.5˝ x 8˝
- Filters: 2 washable filters, 8.5˝ x 8˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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Electronic Control
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RTS 2
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VHR 704R
Heat Recovery Ventilator

As Fantech's most compact, full-featured HRV with recirculation defrost for better efficiency, the VHR 704R unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The VHR 704R is equipped with automatic recirculation defrost mechanisms so even if you live in the coldest climates you can use your HRV all year long.

- Airflow up to 56 cfm @ 0.4" P_s serves 1 to 3 bedroom homes
- Top port design fits in tight spaces
- Three speed ventilation control
- Equipped with recirculation defrost
- Integrated balancing damper and balancing port
- Easy access service door
- Compatible with Fantech's low-voltage controls

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s
Net supply air flow	84	76	64	55	44
Gross supply air flow	86	77	66	56	45
Gross exhaust airflow	91	81	70	58	43

Defrost cycle time

Temperature range °F	Run / Defrost time (min)
23 to 14	40 / 3
14 to 5	30 / 5
5 & lower	20 / 5

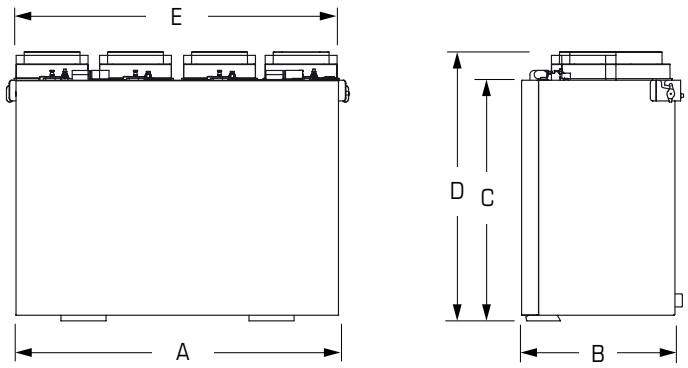
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	64	44	59	66	-
	32	75	44	59	67	-
	-13	66	40	53	72	-

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VHR 704R	5	120 / 1	48	0.4	56	Top	Recirculation	26	41050 6	814.00

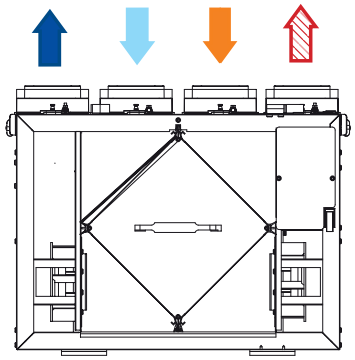
Dimensions



Model	A	B	C	D	E
VHR 704R	22 2/5	10 1/5	16	17 8/9	21 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside

= stale air from inside

= stale air to outside

Specifications

- Model: VHR704R
- Total assembled weight: 26 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 5"oval
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 8.5˝ x 8.5˝ x 8˝
- Filters: 2 washable filters, 8.5˝ x 8˝ x 0.125˝

Accessories

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RTS 2
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VHR 1404
Heat Recovery Ventilator

Fantech's most popular HRV for home projects, the VHR 1404 is designed for higher static pressure applications. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system.
The VHR 1404 is equipped with automatic defrost mechanisms so you can use your HRV all year long.

A preset defrost sequence is activated at an outdoor air temperature of 23°F and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.

- Airflow up to 159 cfm @ 0.4" P_s serves 2 to 5 bedrooms homes
- External dry contacts for quick connection of remote controls
- Compatible with Fantech's low-voltage controls
- Three speed ventilation control
- Washable electrostatic filters
- Easy access service door

Maximum continuous airflow

cfm \ in.wg	0.0" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s
Net supply air flow	188	182	173	159	154	128	113	101	92	88
Gross supply air flow	191	186	176	162	141	130	115	103	92	90
Gross exhaust airflow	197	187	176	165	143	140	128	114	100	86

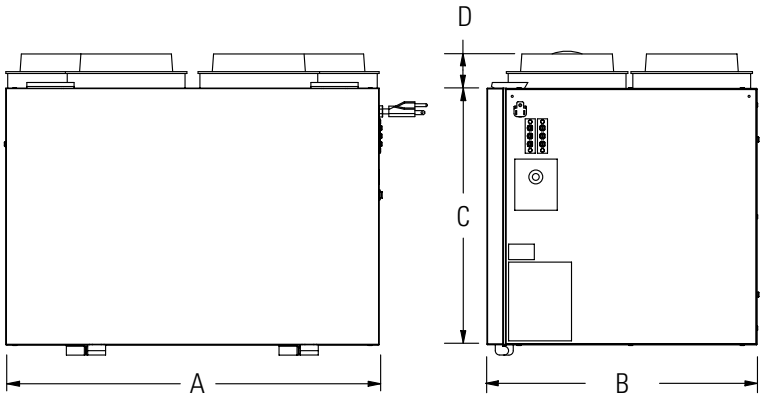
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	85	70	61	76	-
	32	101	94	63	71	-
	32	159	140	60	68	-
	-13	85	71	58	75	-

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VHR 1404	6	120 / 1	156	1.3	159	Top	Fan shutdown	52	21436 4	921.00

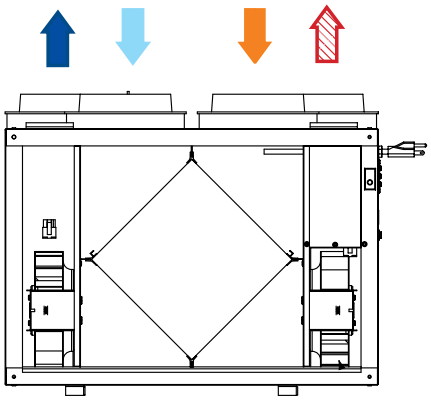
Dimensions



Model	A	B	C	D
VHR 1404	22 3/4	17 1/4	16 1/4	2 1/4

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside

= stale air from inside

= stale air to outside

Specifications

- Model: VHR 1404
- Total assembled weight: 52 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 9˝ x 9˝ x 15˝
- Filters: 2 washable filters, 8.5˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
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RTS 2
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VHR 1405R

Heat Recovery Ventilator

Fantech's most popular HRV for house projects that require demand higher efficiency, the VHR 1405R is designed for higher static pressure applications. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The VHR 1405R incorporates a unique and quiet internal recirculation defrost that does not depressurize the home during the defrost cycle.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.

- Airflow up to 152 cfm @ 0.4" P_s serves 2 to 5 bedrooms homes
- Compact top port design
- Internal recirculation defrost

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s
Net supply air flow	180	174	164	152	138	128	116	104	91	77
Gross supply air flow	184	174	162	151	141	130	119	106	92	79
Gross exhaust airflow	180	169	159	146	136	125	114	100	87	75

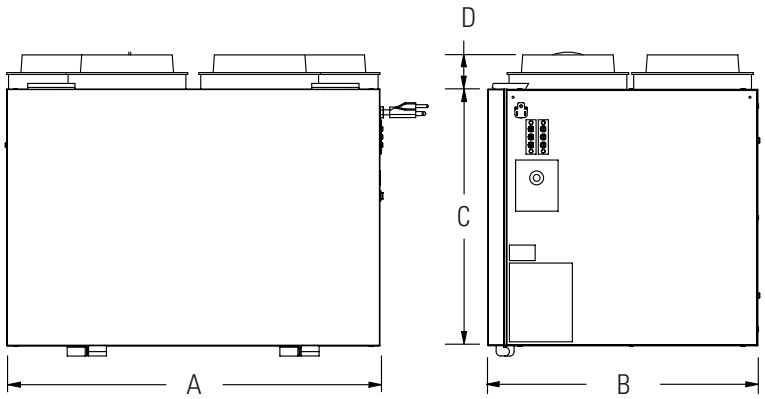
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	65	108	62	77	-
	32	117	154	62	74	-
	32	191	246	60	71	-
	-13	126	141	64	81	-

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VHR 1405R	6	120 / 1	140	1.4	152	Top	Recirculation	52	21422 5	1,108.00

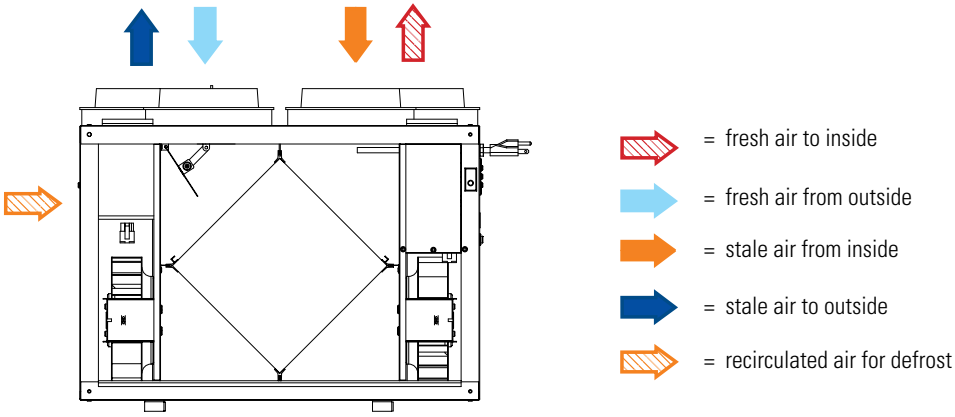
Dimensions



Model	A	B	C	D
VHR 1405R	22 3/4	17 1/4	16 1/4	2 1/4

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



Specifications

- Model: VHR 1405R
- Total assembled weight: 52 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: suspended by chains and hooks
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 9˝ x 9˝ x 15˝
- Filters: 2 washable filters, 8.5˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
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RTS 5
Electronic Timer
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EDF 1R
Electronic Control
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VHR 2004
Heat Recovery Ventilator

Fantech's largest residential, full-featured HRV for budget conscious large house projects, the VHR2004 is designed for higher static pressure and higher airflow applications. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The VHR 2004 is equipped with automatic defrost mechanisms so you can use your HRV all year long.

A preset defrost sequence is activated at an outdoor air temperature of 23°F and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.

- Airflow up to 201 cfm @ 0.4" P_s serves 7 bedroom homes
- Three speed ventilation control
- External dry contacts for quick connection of remote controls
- Compatible with Fantech's low-voltage controls

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Net supply air flow	243	230	218	201	182	166	151	137	125	112	98	88	78	66	55
Gross supply air flow	246	233	221	204	185	168	154	139	127	113	99	90	79	67	56
Gross exhaust airflow	254	244	225	215	199	184	168	151	136	118	108	93	83	75	63

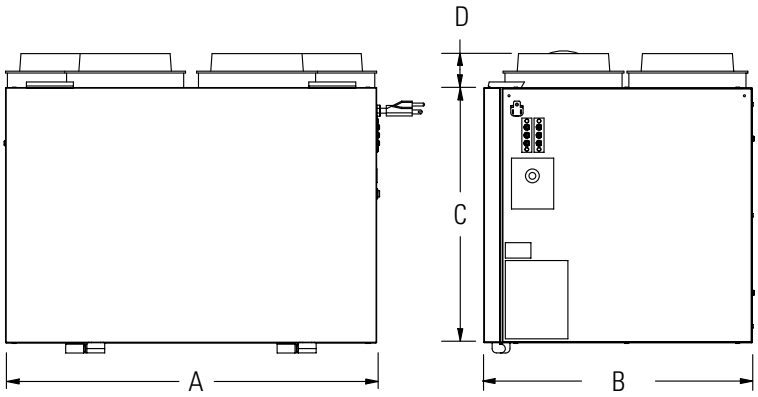
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	65	108	62	77	0.06
	32	117	154	62	74	0.07
	32	191	246	60	71	0.00
	-13	129	154	59	79	0.00

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VHR 2004	6	120 / 1	252	2.1	201	Top	Fan shutdown	66	21440 1	1,126.00

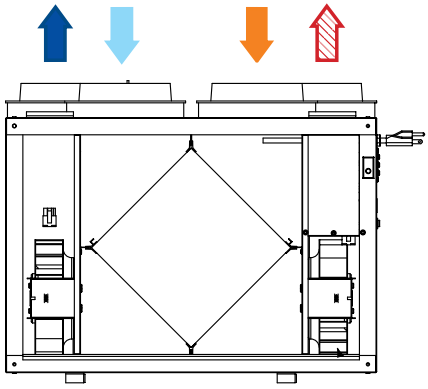
Dimensions



Model	A	B	C	D
VHR 2004	28	17 1/4	20 1/2	2 1/4

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside

= stale air from inside

= stale air to outside

Specifications

- Model: VHR 2004
- Total assembled weight: 66 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 12˝ x 12˝ x 15˝
- Filters: 2 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
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VHR 2005R
Heat Recovery Ventilator

Fantech's larger residential, full-featured HRV for large house projects that demand higher efficiency, the VHR2005R is designed for higher static pressure and higher airflow applications. During winter ,fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The VHR 2005R is equipped with a recirculation defrost mechanisms so you can use your HRV all year long.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.

- Airflow up to 201 cfm @ 0.4" P_s serves 7 bedroom homes
- Three speed ventilation control
- Compatible with Fantech's low-voltage controls
- External dry contacts for quick connection of remote controls

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Net supply air flow	243	230	218	201	182	166	151	137	125	112	98	88	78	66	55
Gross supply air flow	246	233	221	204	185	168	154	139	127	113	99	90	79	67	56
Gross exhaust airflow	254	244	225	215	199	184	168	151	136	118	108	93	83	75	63

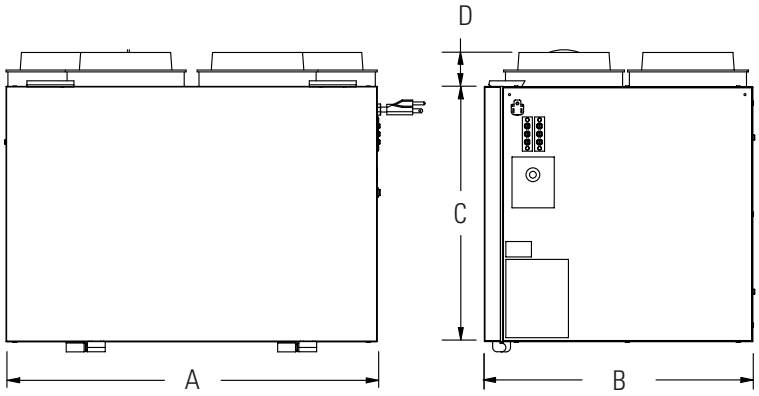
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	65	108	62	77	0.06
	32	117	154	62	74	0.07
	32	191	246	60	71	0.00
	-13	126	141	64	81	0.01

Specification data

Model	Duct size	Voltage / phase	Rated power	Max current	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
VHR 2005R	6	120 / 1	252	2.1	201	Top	Recirculation	66	21444 9	1,311.00

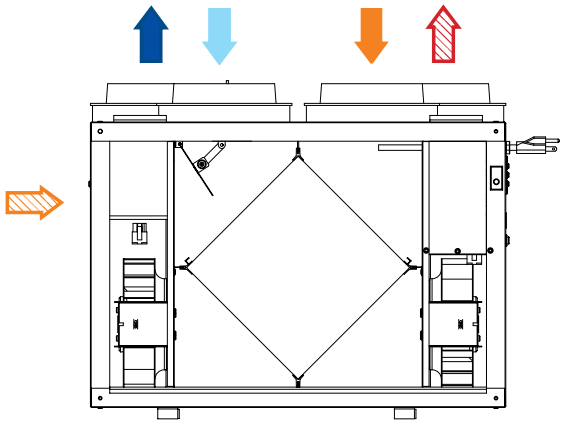
Dimensions



Model	A	B	C	D
VHR 2005R	28	17 1/4	20 1/2	2 1/4

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside

= fresh air from outside*

= stale air from inside

= stale air to outside

= recirculated air for defrost

Specifications

- Model: VHR 2005R
- Total assembled weight: 66 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 12˝ x 12˝ x 15˝
- Filters: 2 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
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* - Optional recirculation duct collar for defrost cycle

SH 704
Heat Recovery Ventilator

Fantech's smallest and most compact side duct connection HRV, the SH 704 unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The SH704 is equipped with automatic defrost mechanisms so even if you live in the coldest climates you can use your HRV all year long.

Unit is designed to operate continuously on a single speed. The automatic defrost cycle consists of a fan shutdown. When the supply air stream temperature goes below 23°F, the supply motor shuts down while the exhaust motor continues to ventilate. Ambient air is passed through the unit for a period of 3 or 5 minutes. The supply motor will then re-start and run at the preset speed.

- Airflow up to 56 cfm @ 0.4" P_s serves 1-2 bedroom homes
- Single speed ventilation; no controls needed
- Includes easy-mount wall bracket

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s
Net supply air flow	96	85	67	56	42
Gross supply air flow	100	88	70	58	43
Gross exhaust airflow	104	88	73	59	43

Defrost cycle time

Temperature range °F	Run / Defrost time (min)
23 to 14	40 / 3
14 to 5	30 / 5
5 & lower	20 / 5

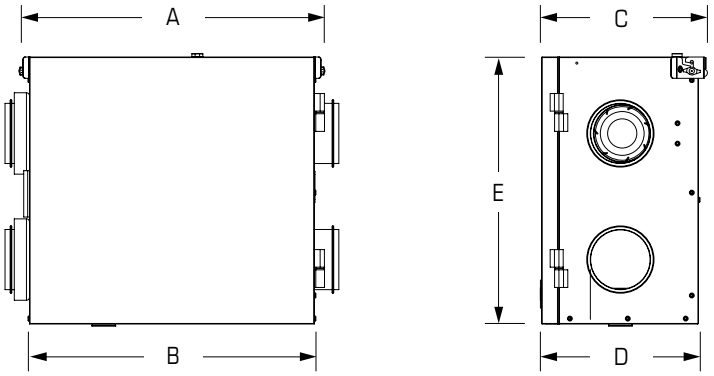
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	55	36	57	67	-
	32	67	40	55	63	-
	32	84	40	54	60	-
	-13	74	35	53	66	-

Specification data

Model	Duct size	Voltage / Phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SH 704	4	120 / 1	48	0.4	56	Side	Fan shutdown	29	40356 0	723.00

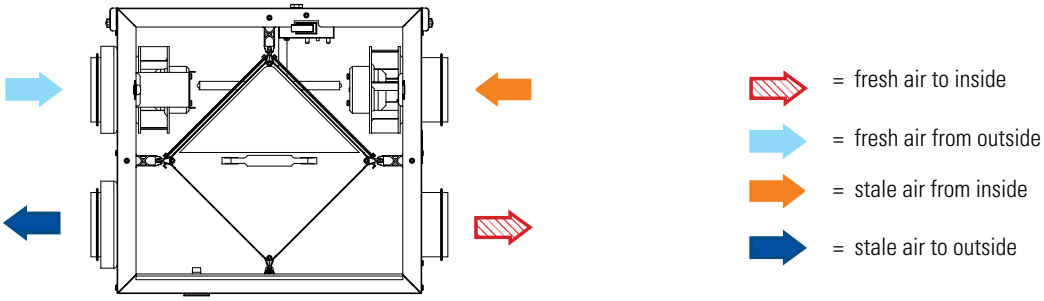
Dimensions



Model	A	B	C	D	E
SH 704	21 2/3	18 1/2	10 3/8	10 1/2	17 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



Specifications

- Model: SH 704
- Total assembled weight: 29 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 4"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 8.5˝ x 8.5˝ x 8˝
- Filters: 2 washable filters, 8.5˝ x 8˝ x 0.125˝

Accessories

FTD 7
7 Day Timer
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FEL
Elbow
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MGS
Supply Grille
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MGE
Exhaust Grille
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COM
Plastic Hood
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FIDT
Insulated Flex Duct
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SHR 1504
Heat Recovery Ventilator

Fantech's side port connection HRV for budget conscious house projects, the SHR 1504 unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The SHR 1504 is equipped with automatic defrost mechanisms so you can use your HRV all year long.

A preset defrost sequence is activated at an outdoor air temperature of 23ºF and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.

- Airflow up to 149 cfm @ 0.4" P_s serves 3-5 bedroom homes
- Three speed ventilation control
- External dry contacts for quick connection of remote controls
- Compatible with Fantech's low-voltage controls
- Easy access service door

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s
Net supply air flow	181	170	159	149	138	128	116	104	91	77	63	49
Gross supply air flow	184	174	162	151	141	130	119	106	92	79	64	50
Gross exhaust airflow	180	169	159	146	136	125	114	100	87	75	61	46

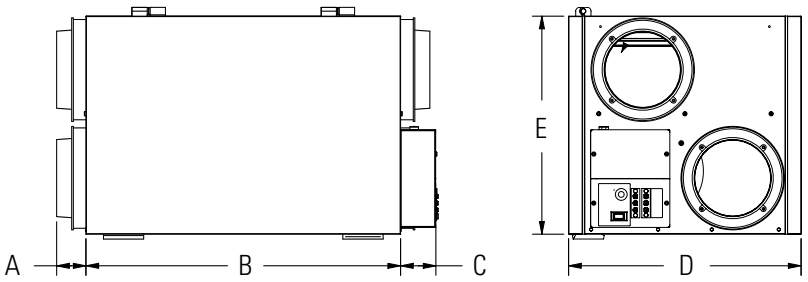
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	ºF	cfm	W	%	%	-
	32	67	72	60	73	-0.11
	32	109	98	59	70	0.00
	32	161	144	55	63	0.00
	-13	68	73	56	77	-0.02

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SHR 1504	6	120 / 1	156	1.3	149	Side	Fan shutdown	52	01502 2	921.00

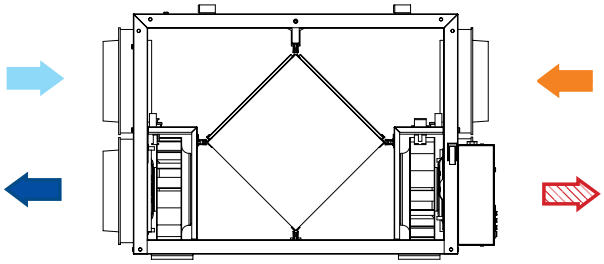
Dimensions



Model	A	B	C	D	E
SHR 1504	2 1/4	23 1/2	2 5/8	17 3/8	16 1/8

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SHR 1504
- Total assembled weight: 52 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 9˝ x 9˝ x 15˝
- Filters: 2 washable filters, 8.5˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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EDF 1
Electronic Control
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RTS 2
Electronic Timer
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MDEH
Dehumidistat
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MGS
Supply Grille
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COM
Plastic Hood
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FIDT
Insulated Flex Duct
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SHR 1505R
Heat Recovery Ventilator

Fantech's side port connection HRV for house projects demanding a higher efficiency at very cold temperatures, the SHR 1505R unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The SHR 1505R is equipped with a recirculation defrost mechanisms so even if you can use your HRV all year long.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.

- Airflow up to 152 cfm @ 0.4" P_s serves 3-5 bedroom homes
- Three speed ventilation control
- External dry contacts for quick connection of remote controls
- Compatible with Fantech's low-voltage controls

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s
Net supply air flow	180	174	164	152	137	121	107	97	87	85
Gross supply air flow	182	178	168	156	139	125	109	97	89	85
Gross exhaust airflow	188	178	168	158	146	133	121	109	95	83

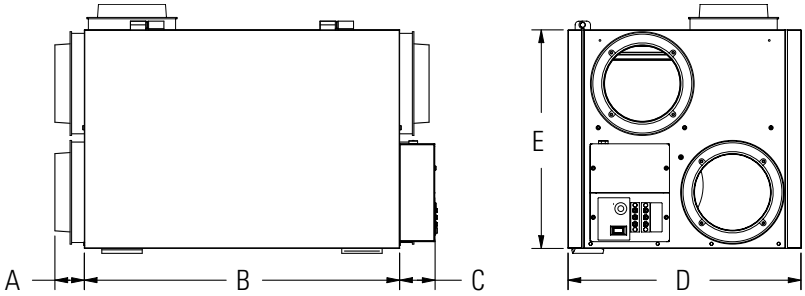
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	85	70	60	76	-0.02
	32	101	94	62	71	-0.02
	32	159	140	60	68	-0.01
	-13	85	93	63	76	-0.00

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SHR 1505R	6	120 / 1	168	1.4	152	Side	Recirculation	52	01500 8	1,108.00

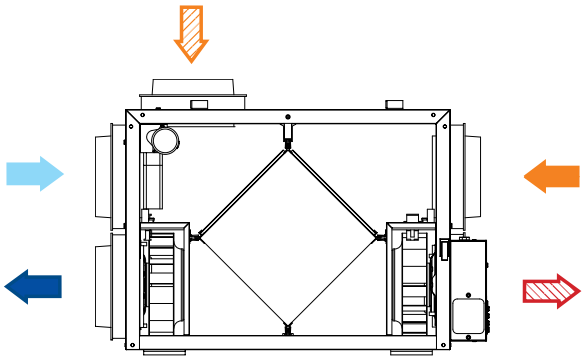
Dimensions



Model	A	B	C	D	E
SHR 1505R	2 1/4	23 1/2	2 5/8	17 3/8	17 3/8

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside
= recirculated air for defrost

Specifications

- Model: SHR 1505R
- Total assembled weight: 52 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 9˝ x 9˝ x 15˝
- Filters: 2 washable filters, 8.5˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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EDF 1R
Electronic Control
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RTS 2
Electronic Timer
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MDEH
Dehumidistat
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Supply Grille
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SHR 2004
Heat Recovery Ventilator

Fantech's larger residential, full-featured HRV for budget conscious large house projects, the SHR 2004 is designed for higher static pressure and higher airflow applications. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The SHR 2004 is equipped with automatic defrost mechanisms so you can use your HRV all year long.

A preset defrost sequence is activated at an outdoor air temperature of 23°F and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.

- Airflow up to 201 cfm @ 0.4" P_s serves 7 bedroom homes
- Three speed ventilation control
- External dry contacts for quick connection of remote controls
- Compatible with Fantech's low-voltage controls
- Washable electrostatic filters

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Net supply air flow	243	230	218	201	182	166	151	137	125	112	98	88	78	66	55
Gross supply air flow	246	233	221	204	185	168	154	139	127	113	99	90	79	67	56
Gross exhaust airflow	254	244	225	215	199	184	168	151	136	118	108	93	83	75	63

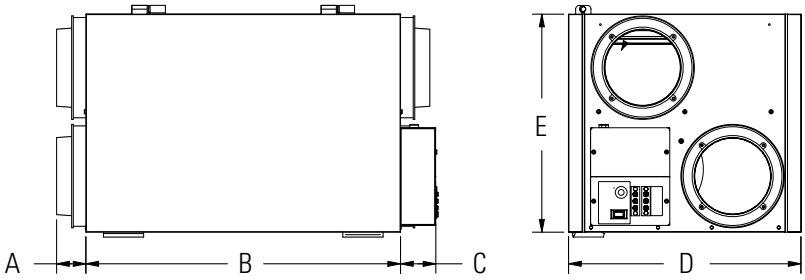
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
	32	65	108	62	77	0.06
	32	117	154	62	74	0.07
	32	191	246	60	71	0.00
	-13	129	154	59	79	0.00

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SHR 2004	6	120 / 1	252	2.1	201	Side	Recirculation	61	01510 7	1,126.00

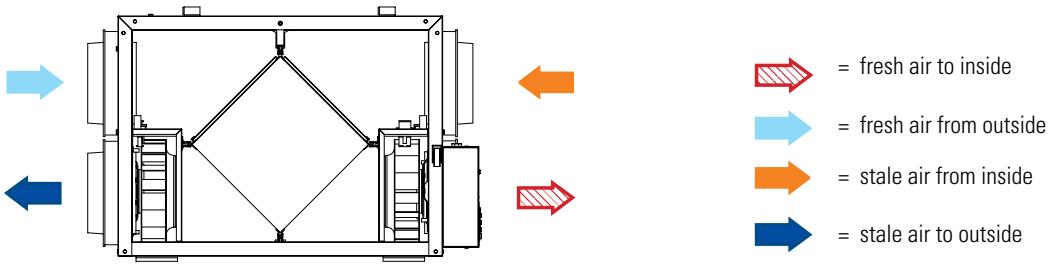
Dimensions



Model	A	B	C	D	E
SHR 2004	2 1/4	27 7/8	2 5/8	17 3/8	20 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



Specifications

- Model: SHR 2004
- Total assembled weight: 61 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 12˝ x 12˝ x 15˝
- Filters: 2 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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EDF 1
Electronic Control
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RTS 2
Electronic Timer
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SHR 2005R
Heat Recovery Ventilator

Fantech's largest residential, full-featured HRV for large house projects that demand higher efficiency, the SHR2005R is designed for higher static pressure and higher airflow applications. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system.The SHR 2005R is equipped with a recirculation defrost mechanisms so you can use your HRV all year long.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.

- Airflow up to 201 cfm @ 0.4" P_s serves 7 bedroom homes
- Three speed ventilation control
- External dry contacts for quick connection of remote controls

Maximum continuous airflow

in.wg / cfm	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Net supply air flow	243	230	218	201	182	166	151	137	125	112	98	88	78	66	55
Gross supply air flow	246	233	221	204	185	168	154	139	127	113	99	90	79	67	56
Gross exhaust airflow	254	244	225	215	199	184	168	151	136	118	108	93	83	75	63

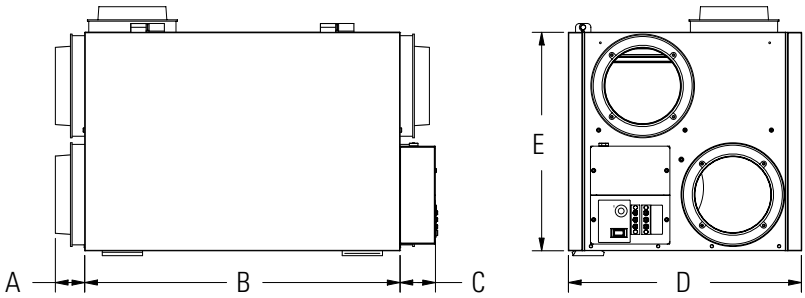
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	^{0}F	cfm	W	%	%	-
	32	65	108	62	77	0.06
	32	117	154	62	74	0.07
	32	191	246	60	71	0.00
	-13	126	141	64	81	0.01

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SHR 2005R	6	120 / 1	252	2.1	201	Side	Recirculation	66	01508 4	1,311.00

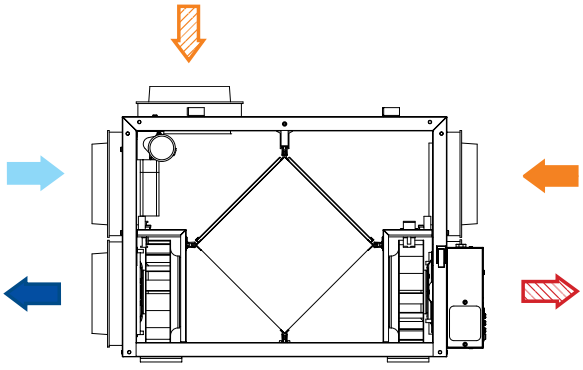
Dimensions



Model	A	B	C	D	E
SHR 2005R	2 1/4	27 7/8	2 5/8	17 3/8	20 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside
= recirculated air for defrost

Specifications

- Model: SHR 2005R
- Total assembled weight: 66 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum, 12˝ x 12˝ x 15˝
- Filters: 2 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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EDF 1R
Electronic Control
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RTS 2
Electronic Timer
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MDEH
Dehumidistat
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Supply Grille
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Exhaust Grille
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COM
Plastic Hood
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FIDT
Insulated Flex Duct
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SHR 3005R
Heat Recovery Ventilator

The SHR 3005R's double core configuration provides the greater thermal efficiency needed for homes being built to a higher energy standard. The incoming air passes through a first, then a second heat exchanger to provide maximum heat recovery. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.

- Airflow up to 231 cfm @ 0.4" P_s serves 3-7 bedroom homes
- External dry contacts for quick connection of remote controls
- Easy access service door

Maximum continuous airflow

cfm \ in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	1.0" P_s	1.2" P_s	1.4" P_s
Net supply air flow	268	262	246	231	219	204	196	188	163	147	118
Gross supply air flow	277	270	253	238	226	211	202	194	168	151	121
Gross exhaust airflow	294	279	266	247	236	215	213	200	174	151	123

Energy performance

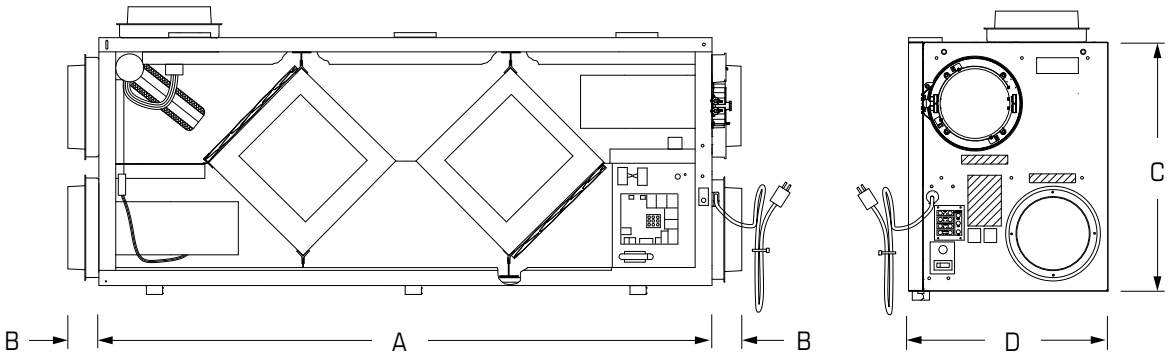
Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	cfm	W	%	%	-
Heating	32	64	126	76	91	0.02
	32	117	212	78	92	0.01
	32	157	262	78	91	- 0.09
	-13	121	224	72	91	0.09
	-13	117	220	72	-	
Cooling	95	115	206	18 (*)		
	95	159	260	17 (*)		

(*)- total recovery efficiency

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SHR 3005R	6	120 / 1	150	2.7	231	Side	Recirculation	125	11406 0	2,027.00

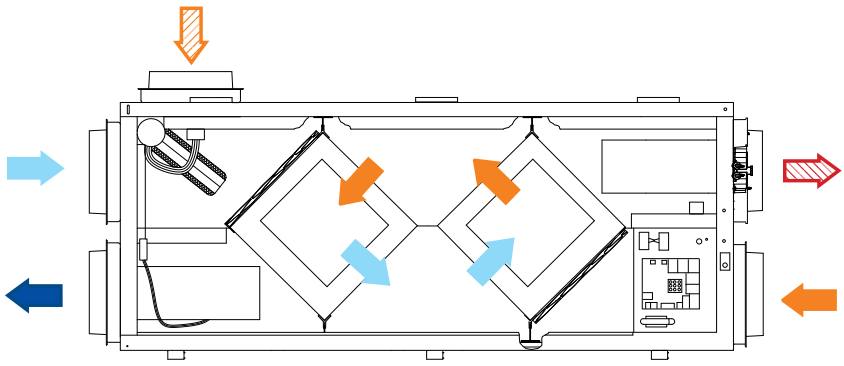
Dimensions



Model	A	B	C	D
SHR 3005R	50 7/8	2 1/5	22 1/5	17 3/8

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core. The unit accomodates two heat recovery cores. Electical box is inside cabinet.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside
= recirculated air for defrost

Specifications

- Model: SHR 3005R
- Total assembled weight: 125 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: 2 pcs, Aluminum, 12˝ x 12˝ x 15˝
- Filters: 2 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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EDF 1R
Electronic Control
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RTS 2
Electronic Timer
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MDEH
Dehumidistat
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MGS
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Insulated Flex Duct
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SHR 3205RD

Heat Recovery Ventilator

Suitable for very large residential or small commercial applications, the compact SHR 3205RD comes with access panels on both sides of the unit for installation versatility. The unit is designed for higher static pressure and higher airflow applications. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.

- Airflow up to 267 cfm @ 0.4" P_s serves up 7 bedroom homes
- Access doors on two sides of the cabinet for multiple
- External dry contacts for quick connection of remote controls

Maximum continuous airflow

in.wg / cfm	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s
Net supply air flow	297	267	243	222	195	171	147	124	101	81	63	44
Gross supply air flow	306	275	250	229	201	176	151	128	103	84	65	46
Gross exhaust air flow	326	299	266	244	219	190	169	150	117	96	66	39

Energy performance

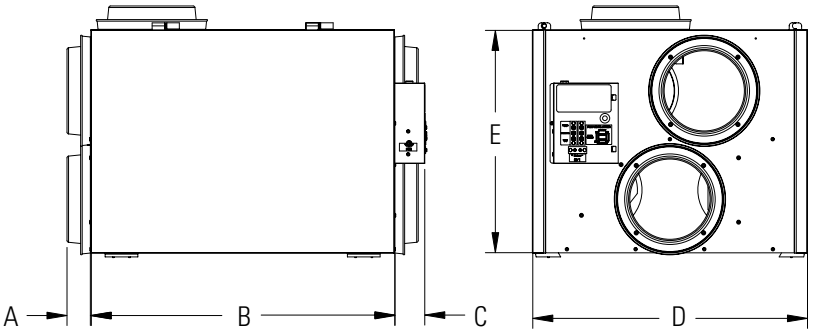
Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	^{0}F	cfm	W	%	%	-
Heating	32	118	136	66	77	0.02
	32	162	182	66	76	0.02
	32	248	272	64	74	0.03
	-13	123	168	67	79	0.05

(*)- total recovery efficiency

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SHR 3205RD	8	120 / 1	300	2.5	267	Side	Recirculation	103	01532 9	1,711.00

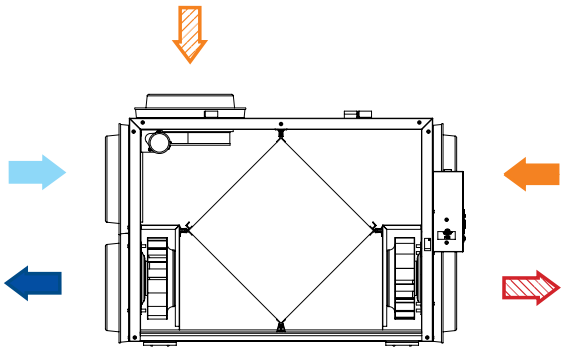
Dimensions



Model	A	B	C	D	E
SHR 3205RD	2 1/4	27 7/8	2 3/4	25 1/8	20 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside
= recirculated air for defrost

Specifications

- Model: SHR 3205RD
- Total assembled weight: 103 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 8"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: 2 pcs, Aluminum, 12˝ x 12˝ x 15˝
- Filters: 4 washable filters, 11.5˝ x 11.4˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
page 199

EDF 1R
Electronic Control
page 199

RTS 2
Electronic Timer
page 199

MDEH
Dehumidistat
page 199

MGS
Supply Grille
page 196

MGE
Exhaust Grille
page 197

COM
Plastic Hood
page 200

FIDT
Insulated Flex Duct
page 201

SE 704N
Energy Recovery Ventilator

Fantech's smallest and most compact side duct connection ERV, the SE 704N unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The enthalpic core at the center of the unit transfers heat and moisture from the incoming air to the outgoing that was cooled and dried by the building's air conditioner.

When it is warm and humid outside and the indoors are cooled and dehumidified already, the ERV pre-cools the fresh incoming air and transfers a portion of the incoming humidity into the exhaust air, reducing the ventilation load. Reduces the load on a home's air conditioner, compared to other ventilation methods, to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

Core, filters and motors can be easily accessed through latched door. Core conveniently slides out on easy glide core guides. Ten inches of clearance is recommended for removal of core.

- Airflow up to 67 cfm @ 0.3" P_s serves 1-2 bedroom homes
- Enthalpy core
- Unit can be installed in any position
- No defrost or drain pan needed
- No balancing required

Maximum continuous airflow

cfm \ in.wg	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s
Net supply air flow	78	67	56	42	-

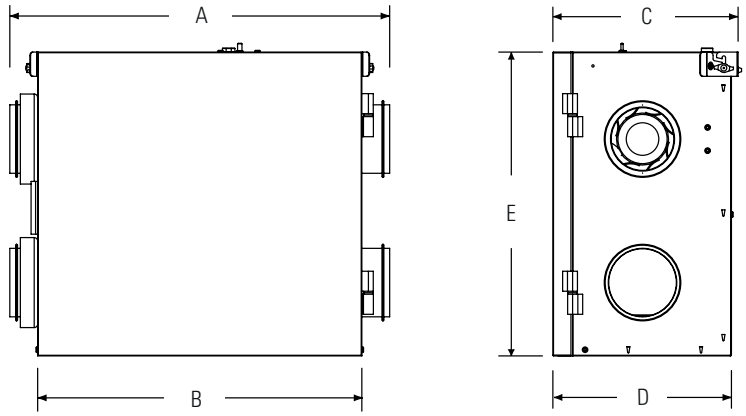
Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery efficiency	Total recovery efficiency
	^{0}F	cfm	W	%	%	%	%
Heating	32	68	40	30	75	39	42
Cooling	95	74	40	33	68	39	58
	95	64	40	39	68	42	39

Specification data

Model	Duct size	Voltage / phase	Average power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SE704N	4	120 / 1	47	1.4	56	Side	None	25	40357 7	688.00

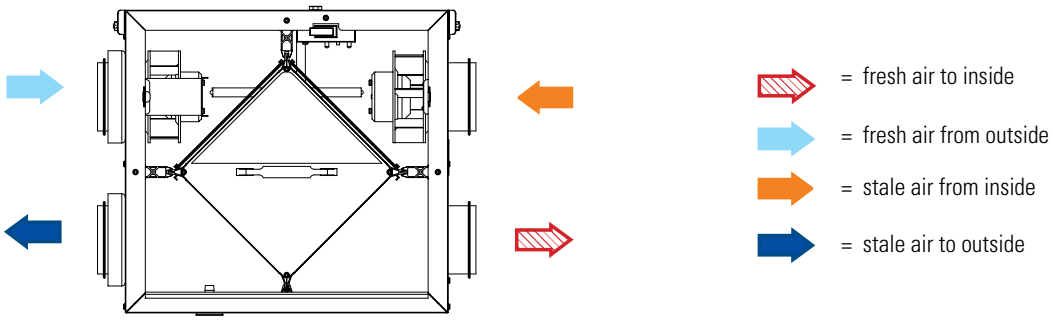
Dimensions



Model	A	B	C	D	E
SE 704N	21 2/3	18 1/2	10 3/8	10 1/2	17 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



Specifications

- Model: SE704N
- Total assembled weight: 25 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 4" round
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Enthalpy, 8.5˝ x 8.5˝ x 8˝
- Filters: 2 washable filters, 8.5˝ x 8˝ x 0.125˝

Accessories

FTD 7
7 Day Timer
page 199

FEL
Elbow
page 200

MGS
Supply Grille
page 196

MGE
Exhaust Grille
page 197

COM
Plastic Hood
page 200

FIDT
Insulated Flex Duct
page 201

SER 1504
Energy Recovery Ventilator

Fantech's side port connections ERV house projects, the SER 1504 unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The enthalpic core at the center of the unit transfers heat and moisture from the incoming air to the outgoing that was cooled and dried by the building's air conditioner.

When it is warm and humid outside and the indoors are cooled and dehumidified already, the ERV pre-cools the fresh incoming air and transfers a portion of the incoming humidity into the exhaust air, reducing the ventilation load. Reduces the load on a home's air conditioner, compared to other ventilation methods, to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

The unit has a built-in defrost mechanism that activates at 23°F in order to prevent the energy transfer core from freezing.

- Airflow up to 134 cfm @ 0.4" P_s serves 3-5 bedroom homes
- Enthalpy core

Maximum continuous airflow

in.wg / cfm	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s
Net supply air flow	162	152	143	134	127	121	115	108	98	89
Gross supply/exhaust air flow	162	152	143	134	127	121	115	108	98	89

Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Net recovery/moisture transfer
	°F	cfm	W	%	%	%
Heating	32	64	67	70	82	58
	32	83	91	66	79	56
	32	117	139	61	74	55
Cooling	95	64	66	58[1]		
	95	117	143	50[1]		

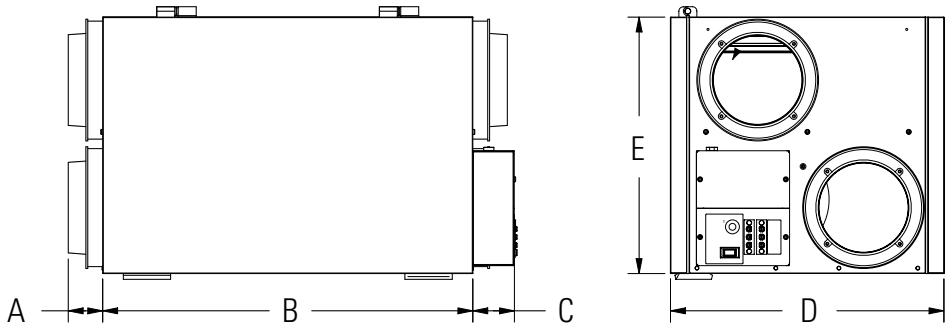
[1] Total recovery efficiency

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SER 1504	6	120 / 1	150[2]	1.5	134	Side	Fan shutdown	49	01522 0	1,063.00

[2] High speed

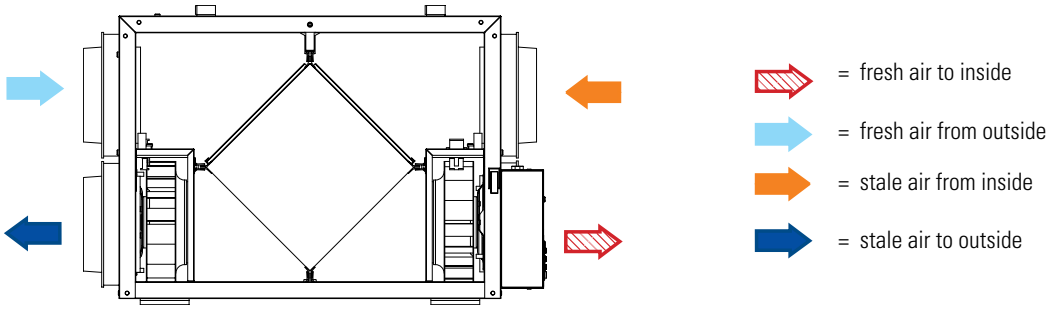
Dimensions



Model	A	B	C	D	E
SER 1504	2 1/4	23 1/2	2 5/8	17 3/8	16 1/8

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



Specifications

- Model: SER 1504
- Total assembled weight: 49 lbs
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Semi-permeable energy recovery, 9˝ x 9˝ x 15˝
- Filters: 2 washable filters, 8.5˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
page 199

EDF 1
Electronic Control
page 199

RTS 2
Electronic Timer
page 199

MGS
Supply Grille
page 196

MGE
Exhaust Grille
page 197

COM
Plastic Hood
page 200

FIDT
Insulated Flex Duct
page 201

SER 2004
Energy Recovery Ventilator

Fantech's larger residential, full-featured ERV for large house projects, the SER2004 is designed for higher static pressure and higher airflow applications. The SER 2004 unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The enthalpic core at the center of the unit transfers heat and moisture from the incoming air to the outgoing that was cooled and dried by the building's air conditioner.

When it is warm and humid outside and the indoors are cooled and dehumidified already, the ERV pre-cools the fresh incoming air and transfers a portion of the incoming humidity into the exhaust air, reducing the ventilation load. Reduces the load on a home's air conditioner, compared to other ventilation methods, to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

The unit has a built-in defrost mechanism that activates at 23°F in order to prevent the energy transfer core from freezing.

- Airflow up to 155 cfm @ 0.4" P_s serves 7 bedroom homes
- Enthalpic core

Maximum continuous airflow

cfm / in.wg	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s
Net supply air flow	186	176	166	155	145	134	123	112	101	90
Gross supply/exhaust air flow	186	176	166	155	145	134	123	112	101	90

Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Net recovery/moisture transfer
	°F	cfm	W	%	%	%
Heating	32	64	62	81	92	78
	32	117	128	74	86	76
	32	161	194	70	84	71
Cooling	95	64	57	66[1]		
	95	117	130	60[1]		

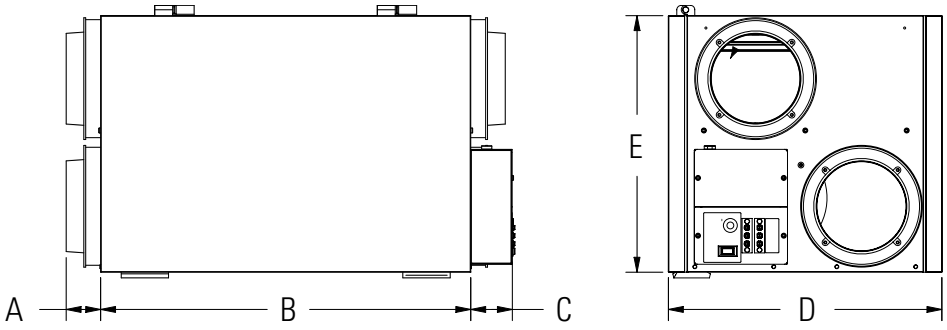
[1] Total recovery efficiency

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SER 2004	6	120 / 1	150[2]	1.9	155	Side	Automatic	66	01524 4	1,427.00

[2] High speed

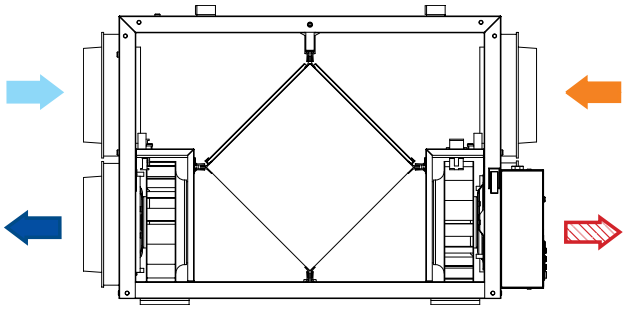
Dimensions



Model	A	B	C	D	E
SER 2004	2 1/4	27 7/8	2 5/8	17 3/8	20 1/2

Dimensional information is in inches. Clearance of 15" in front of the unit is recommended for removal of core.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SER 2004
- Total assembled weight: 66 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 6"
- Mounting: a wall bracket included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Semi-permeable energy recovery, 12˝ x 12˝ x 15˝
- Filters: 2 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
page 199

EDF 1
Electronic Control
page 199

RTS 2
Electronic Timer
page 199

MGS
Supply Grille
page 196

MGE
Exhaust Grille
page 197

COM
Plastic Hood
page 200

FIDT
Insulated Flex Duct
page 201

SER 3204D
Energy Recovery Ventilator

Suitable for very large residential or small commercial applications, the compact SER 3204D comes with access panels on both side of the unit for installation versatility. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The enthalpic core at the center of the unit transfers heat and moisture from the incoming air to the outgoing that was cooled and dried by the building's air conditioner.

When it is warm and humid outside and the indoors are cooled and dehumidified already, the ERV pre-cools the fresh incoming air and transfers a portion of the incoming humidity into the exhaust air, reducing the ventilation load. Reduces the load on a home's air conditioner, compared to other ventilation methods, to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

The unit has a built-in defrost mechanism that activates at 23°F in order to prevent the energy transfer core from freezing. They also include a condensate drain pan & spout.

- Airflow up to 231 cfm @ 0.4" P_s serves 7 bedrooms
- Enthalpy core

Maximum continuous airflow

in.wg / cfm	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	1.0" P_s	1.2" P_s	1.4" P_s
Net supply air flow	268	262	246	231	219	204	196	188	163	147	118
Gross supply air flow	277	270	253	238	226	211	202	194	168	151	121
Gross exhaust airflow	294	279	266	247	236	215	213	200	174	151	123

Energy performance

Heating	Supply temperature	Net airflow	Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Net recovery/moisture transfer
	°F	cfm	W	%	%	%
Heating	32	64	126	76	91	0.78
	32	117	212	78	92	0.76
	32	157	262	78	91	0.71
Cooling	95	115	206	48[1]		
	95	159	260	48[1]		

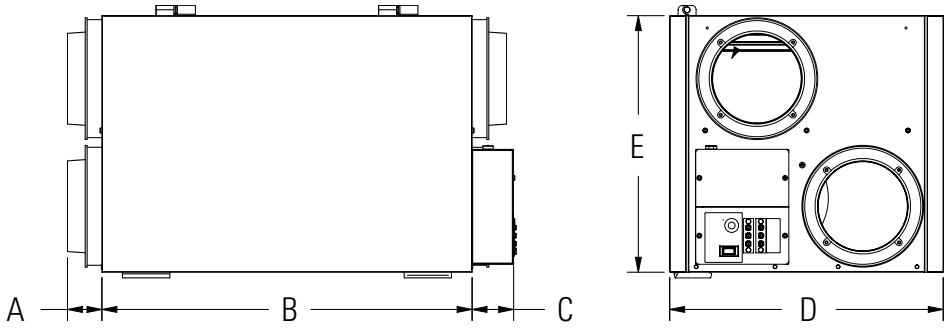
[1] Total recovery efficiency

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm			lbs		USD
SER 3204D	8	120 / 1	300[2]	2.5	231	Side	Fan shutdown	80	01534 3	2,284.00

[2] High speed

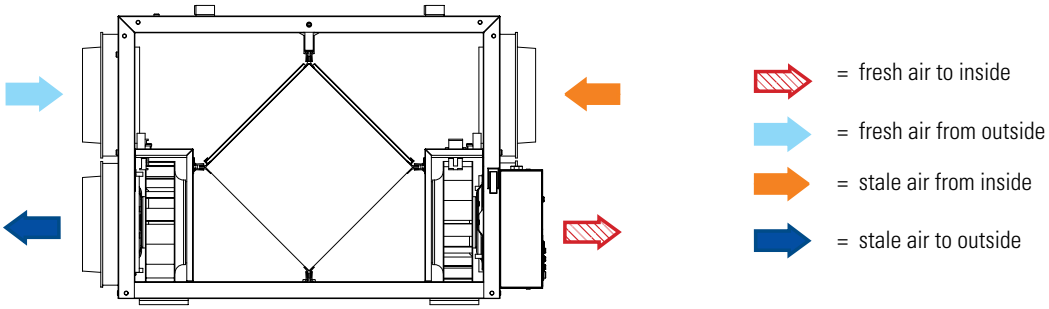
Dimensions



Model	A	B	C	D	E
SER 3204D	2 1/4	27 7/8	2 5/8	25 1/2	20 1/2

Dimensional information is in inches. Clearance of 12" in front of the unit is recommended for removal of core.

Operation diagram



Specifications

- Model: SER 3204D
- Total assembled weight: 80 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 8"
- Mounting: hanging chains and hooks included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: two enthalpy cores, 12˝ x 12˝ x 11.4˝
- Filters: 4 washable filters, 11.75˝ x 15˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
page 199

EDF 1
Electronic Control
page 199

MGE
Exhaust Grille
page 197

MGS
Supply Grille
page 196

FIDT
Insulated Flex Duct
page 201

AEV 1000
Air Exchanger

Suitable for temperate climates where balanced ventilation is needed, an Air Exchanger Ventilator (AEV 1000) is designed to provide fresh air into a building while exhausting an equal amount of stale air. During the winter months, the incoming cold fresh air is warmed by mixing it with return air before it is supplied to the home. During summer months when the indoor space is air conditioned, the AEV will help in cooling the incoming fresh air with the stale air that is being exhausted.

The unit runs continuous or on intermittent, giving the homeowner complete control over their air quality. Continuous low speed ventilation is recommended, which will help eliminate carbon dioxide, voc's and other gases as well as freshen up the home. Intermittent high speed ventilation can be obtained through a variety of optional remote controls. Suitable for temperate climate.

- Airflow up to 68 cfm @ 0.2" P_s serves 1-2 bedroom homes
- Washable synthetic filter
- Unit can be installed in any position
- External three position switch (Low/Standby/Medium)

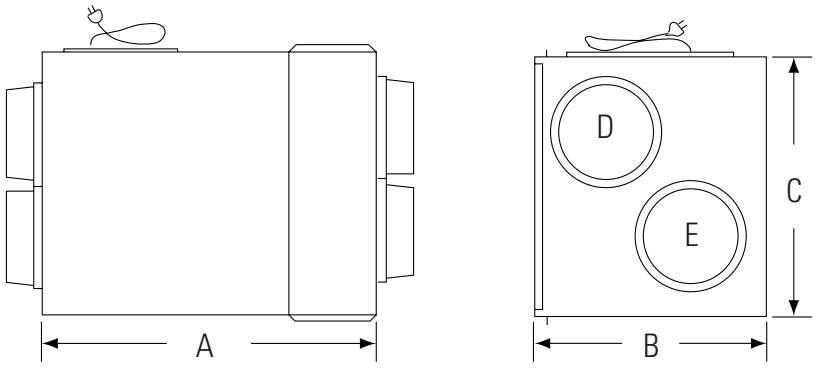
Maximum continuous airflow

in.wg / cfm	0.05" P_s	0.1" P_s	0.15" P_s	0.2" P_s	0.25" P_s	0.3" P_s
Supply air flow	110	93	80	68	52	35
Exhaust air flow	100	84	70	56	44	29

Specification data

Model	Duct size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.2" P_s	Connection	Defrost cycle	Shipping weight	UPS #	List price
	inch	V / ~	W	A	cfm			lbs		USD
AEV 1000	5	120 / 1	81	0.7	68	Side	-	25	85400 3	433.00

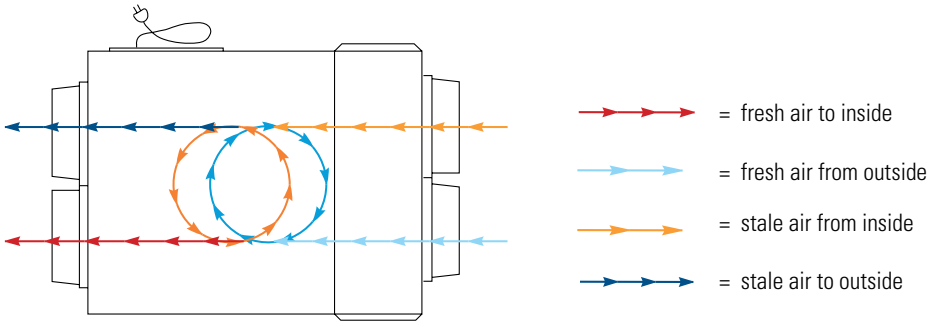
Dimensions



Model	A	B	C	D	E
AEV 1000	18 3/16	12 1/2	14	5	5

Dimensional information is in inches.

Operation diagram



Specifications

- Model: AEV 1000
- Total assembled weight: 25 lbs
- Cabinet: 22 ga. steel w/powder coat finish
- Motors: backward curved blades
- Supply & Exhaust ducts: 5"
- Mounting: hanging chains included
- Insulated with 1" aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF
- Filters: 1 washable filters, 11.8˝ x 12.9˝ x 0.63˝

Accessories

MDEH
Dehumidistat
page 199

RSK *
Backdraft Damper
page 201

DG / DGD
Exhaust Grille
page 197

CG
Contour Grille
page 197

FIDT
Insulated Flex Duct
page 201

* for backdraft prevention

DM/CM Series

High Efficient Whole-House HEPA Filtration

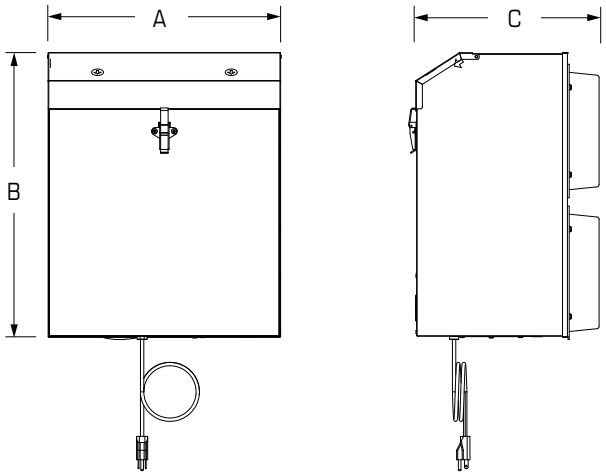
Fantech provides an added solution for better indoor air quality with the Whole House HEPA filtration unit. This small, compact unit installs on the existing ductwork of your furnace/air handler or can be used as an independent system mounted in the attic, crawl space or closet.

It is designed to clean and filter the air in an average 2200 sq. ft. home once an hour. Larger homes will take slightly longer for a complete air change.
Mold spores, pet dander, cooking odors, dust, dust mites and their by-products are all captured in a series of three filters. The prefilter collects the largest particles while the carbon filter absorbs odors. The third filter is a true, certified HEPA filter which collects 99.98% of particles at 0.3 microns.

DM3000P
The duct mount model features integrated airflow sensor, switch which energizes the unit any time furnace/air handler operates. Designed with a backplate that allows direct connection of the unit to air handler or furnace.

CM3000
Collar mount model comes with four collars, two pieces of UL Listed 8" flex duct and hanging chains.

CM3000I
Insulated unit is used in unconditioned spaces such as attics and garages. Insulated outer shell prevents condensation problems. Kit includes hanging chains.



Dimensions

Model	A	B	C
DM 3000	16	20	10 1/2
CM 3000	16	20	10 1/2
CM 3000I	17	20 3/5	11 1/5

Dimensional information is in inches.

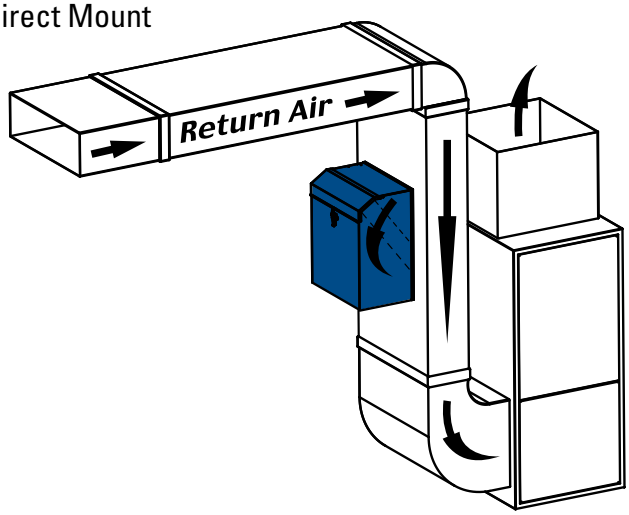
Specification data

Model	Port (duct) size	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Insulation	Dimensions	Shipping weight	UPC #	List price
	inch	V / ~	W	A	cfm		inch	lbs		USD
DM 3000P	(2) 5 x 10	120 / 1	150	1.0	240	-	20 x 16 x 10.5	28	47810 0	497.00
CM 3000	8	120 / 1	150	1.0	240	-	20 x 16 x 10.5	28	47808 7	497.00
CM 3000I	8	120 / 1	150	1.0	240	Yes	20.6 x 17 x 11.2	28	47803 2	497.00

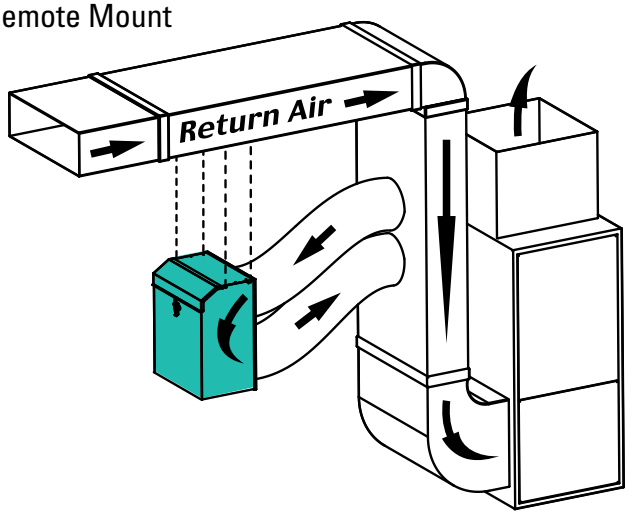
Installation

Units easily install horizontally or vertically on the return air side duct of your furnace or air handler. Air is directed through the bypass HEPA which allows the heating/cooling system to easily deliver clean, fresh healthy air throughout the entire home. They can also be used as independent systems mounted in the attic, crawl space or closet.

Direct Mount

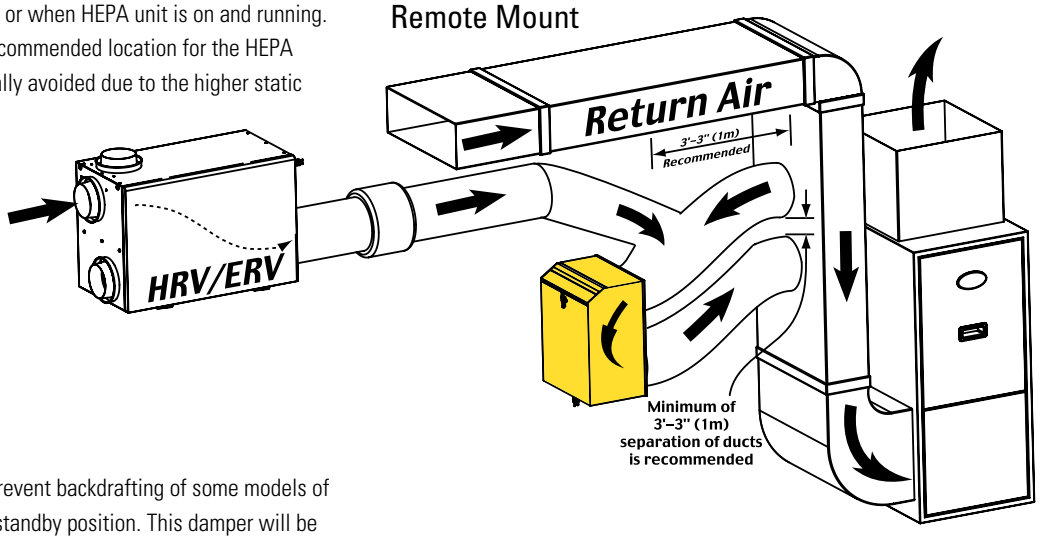


Remote Mount



Furnace fan should operate continuous or when HEPA unit is on and running. The return side of the furnace is the recommended location for the HEPA to connect to. The supply side is normally avoided due to the higher static pressure.

Remote Mount



A power damper is recommended to prevent backdrafting of some models of air to air changers, when in the off or standby position. This damper will be installed between the HRV/ERV and the HEPA unit.

NOTE: Models SHR/SER 1505R, 2005R & 3005R have an automatic backdraft damper build in that activates when units are in standby position and do not need this additional damper.

Accessories

RPFH 1315
Replacement Filter*
page 203

RHF 16
Replacement HEPA
page 203

* Replacement filters also available in bulk packs of 24 pieces for RPFH (RPFH1315B) and 12 pack RHF (RHF16B)

FB Series

Inline Filter Box with MERV 13 Filter

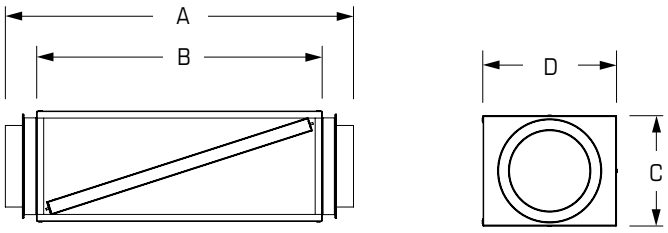
Building sciences research has shown that highly efficient filtration of the outside air before it is delivered to the home is one of the best ways to reduce the level of particles suspended in your home's air. The FB6 unit features 80-90% efficiency filter, designed to meet the air filtration efficiency criteria required to gain points toward certification in the Leadership in Energy and Environmental Design (LEEDs) Green Building rating system.

- MERV13 filter
- Used for airflows up to 176 cfm
- 6 inches diameter plastic duct connections
- Beige powder coated
- Neoprene door seal
- Access door removed with thumb screws

Specification data

Model	Port (duct) size	Filter type	Rate	Average airflow @ 0.2" P_s	Insulation type	Shipping weight	UPC #	List price
	inch			cfm		lbs		USD
FB 6	6	Pleated	MERV 13	176	-	10	40304 1	121.00

Dimensions



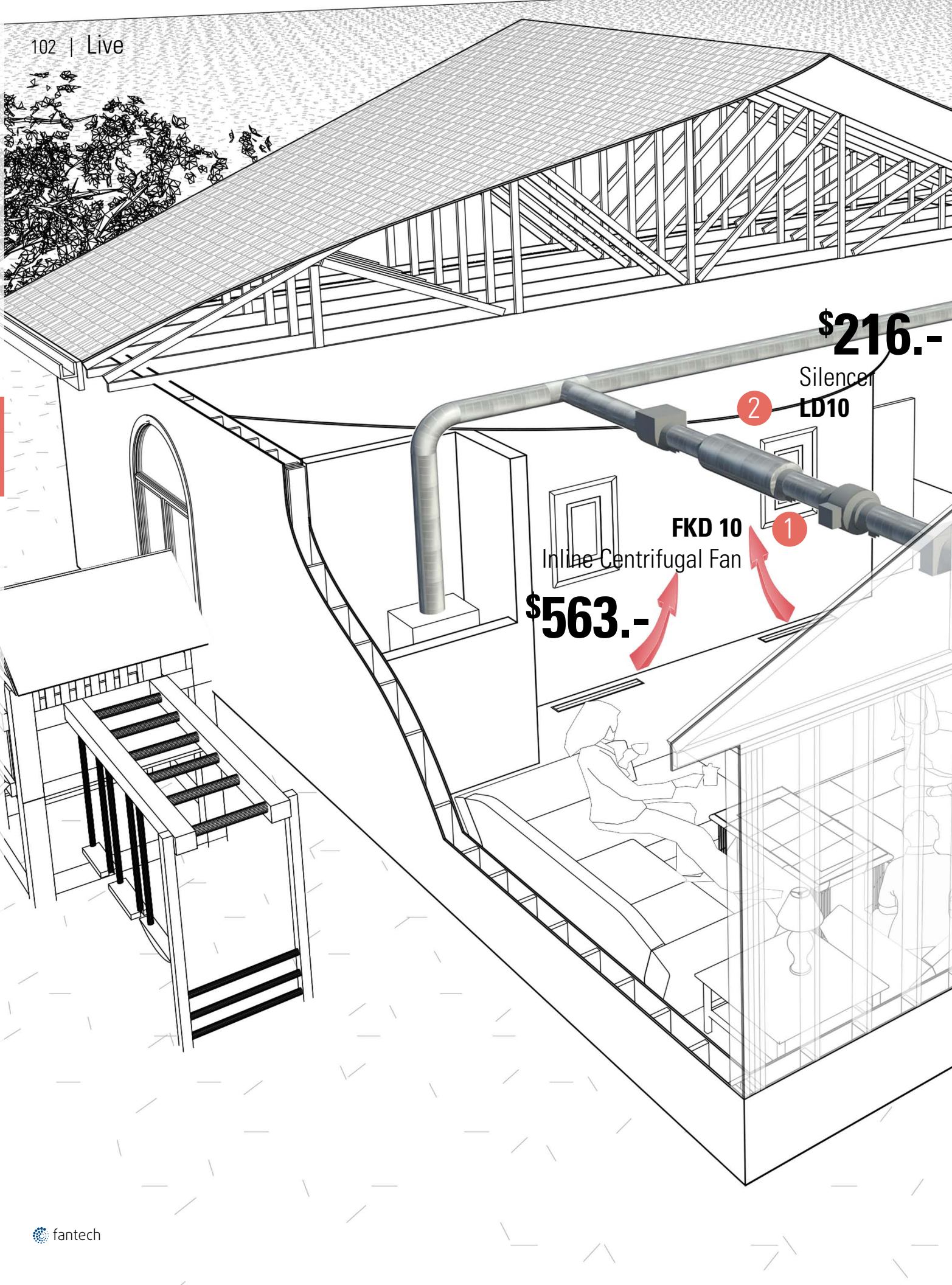
Model	A	B	C	D
FB 6	20.5	19.5	8	10

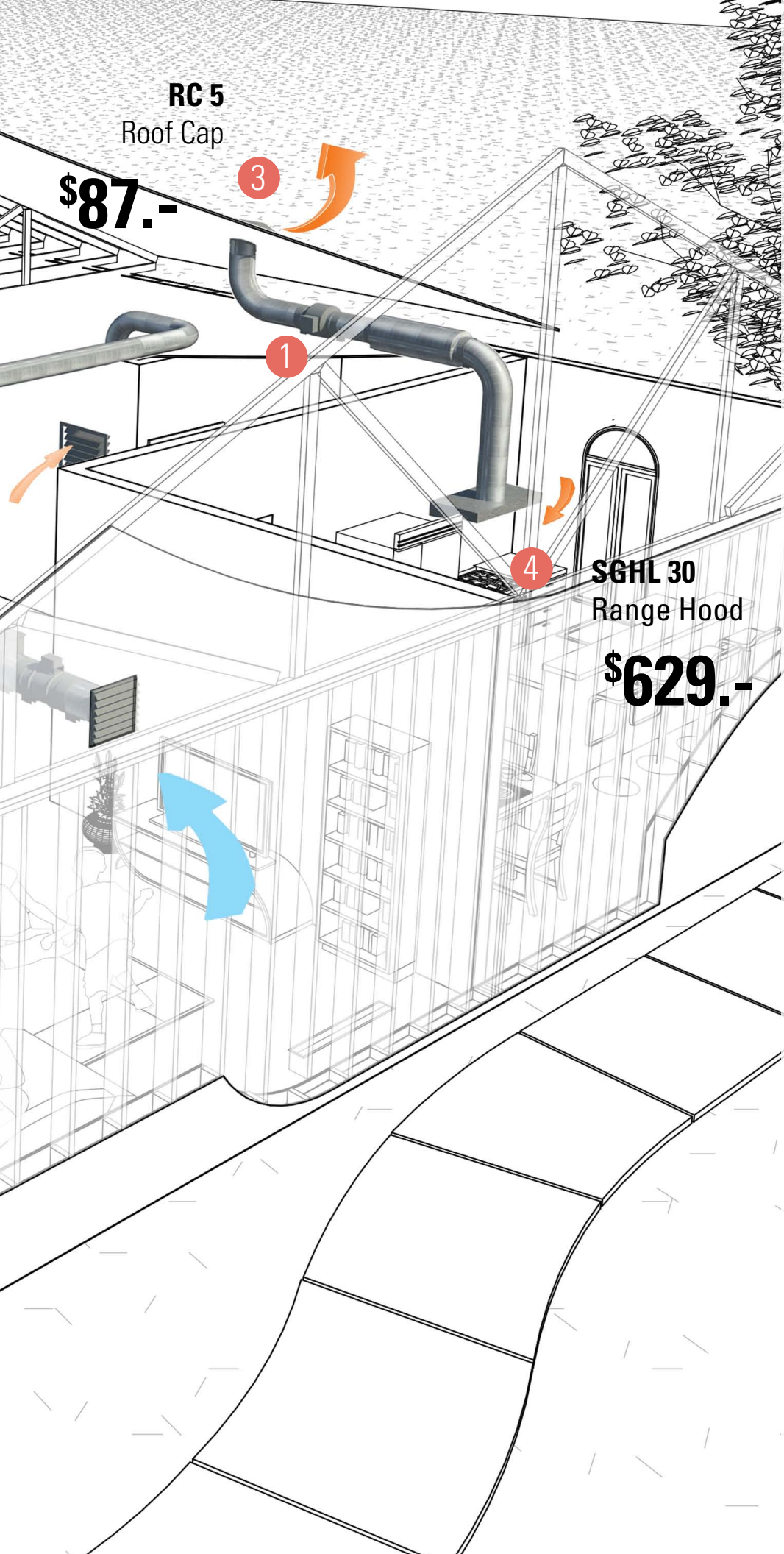
Dimensional information is in inches.

Accessories

FBRF 6
Replacement Filter
page 203

What goes out, must come in – so says the building code.


$216.-
Silencer
LD10
2
FKD 10
Inline Centrifugal Fan
$563.-
1



Makeup air

making your kitchen a dream

Every time an exhaust fan removes air from your home an equal volume of air must enter, this is called makeup air. Homes today are built to tighter standards resisting infiltration from outside air. With little to no leakage in the building envelope, where does a powerful range hood get its makeup air? If the home does not have enough random air leaks around the windows and doors, the makeup air is often pulled backwards from the chimney or water heater flue, this is called backdrafting. Since flue gasses from some combustion appliance can include carbon monoxide, backdrafting is dangerous and in some cases can be life threatening.

Your makeup air solution should be simple, yet effective. The Fantech makeup air system, along with a kitchen exhaust solution, will be quiet, comfortable and reliable. Under ideal conditions, even while preparing the largest and most demanding meals, your kitchen remains ventilated, without pulling in air from every crack and crevice in your home. At Fantech, we hope that you don't have to think about our products, because once they're installed, they simply work - leaving you to enjoy the truly important things in your home.

1. FKD 10 / $563.-
Inline Centrifugal Fan
120V, 836 cfm @ 0.25 P_s, 329W, max P_s = 2.6"

2. LD 10 / $216.-
Silencer
Easily-fitted silencer for circular ducts. See p. 201.

3. RC 5/ $87.-
Roof Cap
Galvanized steel roof caps with damper flap closure and bird screen. See page 201.

4. SGHL 30 / $629.-
Range Hood Liner
SHHL Series range hood liners are galvanized. They feature built-in infinite speed control for the fan, washable filters and lights. See p. 203.

FG EC Series
Inline Centrifugal Fans with EC Motors

Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

The FG EC Series fans are known for their economical use of energy and excellent ease of control. They can be varied in speed to match the airflow demand, and operate at high efficiency levels. For the same air volume, they consume considerably less energy than an AC fan.

Another special feature of EC fans is their energy-saving potential not only at full load, but especially at part-load. When operating at part-load, the energy used is much lower than with an AC motor of equivalent output. Reduced energy usage guarantees a drop in operating costs.

The FG EC series is designed for installation in ducts. All fans have a minimum 1 inch long connection collar. The fans have backward-curved blades and external rotor motors (EC). The FC mounting clamp facilitates easy installation and removal, and prevents the transfer of vibration to the duct. The fans are delivered with a pre-wired potentiometer (0-10V) that allows you to easily find the desired working point.

Motor protection is integrated in the electronics of the motor. The casing is manufactured from galvanised sheet steel with the seams folded to give the fan a close to air tight casing. Outdoor mounting and wet room applications are possible.

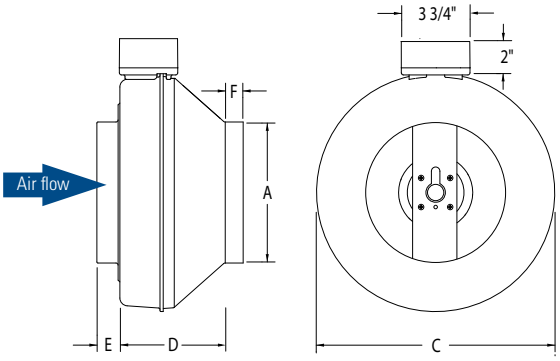
- EC-motors, high level of efficiency
- 100% speed controllable
- Integrated motor protection
- Supplied with mounting bracket

Specification data

Model	Rated power	Voltage / phase	Max amps	RPM	CFM per W*	.0" P_s	.1" P_s	.2" P_s	.4" P_s	.6" P_s	.8" P_s	1.0" P_s	1.5" P_s	2.0" P_s	Max P_s	Weight	UPC #	List price
	W	V / ~	A	min^{-1}		cfm									in.wg	lbs		USD
FG 6M EC	77.6	120 / 1	1.32	2480	4.25	363	349	330	302	271	239	206	113	-	1.92	11	49900 6	355.00
FG 8 EC	75.5	120 / 1	1.32	2545	5.17	428	410	390	353	314	275	239	121	-	1.95	11	49901 3	381.00
FG 10 EC	90.5	120 / 1	1.32	2380	5.08	513	489	460	413	363	325	283	160	30	2.13	11	49902 0	469.00
FG 12 EC	141.2	120 / 1	2.10	2665	4.25	633	621	600	577	542	506	467	379	221	2.45	16	49903 7	623.00
FG 12XL EC	169.7	120 / 1	2.10	2510	4.42	805	780	750	686	615	537	474	315	-	1.96	16	49905 1	829.00

HVI Ratings @ 0.2" Static Pressure Only. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance based on actual speed of test. Performance ratings do not include the effect of appurtenance (accessories).
Also available: FGC EC Series fans pre-wired with six foot cord and plug. Models include FGC 6M EC, FGC 8 EC or FGC 10 EC.
* CFM per Watt is not certified by AMCA

Dimensions



Model	A	C	D	E	F
FG 6M EC	6	13 1/8	7	1	1
FG 8 EC	8	13 1/4	6	1	1
FG 10 EC	10	13 1/4	4 3/4	1 1/8	1
FG 12 EC	12	16	6 11/16	1 1/4	1
FG 12XL EC	12	16	6 11/16	1 1/2	1

Dimensional information is in inches.

Accessories

MTP 10
Speed Control
page 199

FB
Inline Filter Box
page 98

IG
Inlet Guard
page 202

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

IR
Iris Damper
page 200

FG Series
Inline Centrifugal Fans

Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

The original inline fan is still the best choice.

FG fans are equipped with backward-curved impeller blades and external rotor motors. With the motor in the airstream the fan provides the constant dissipation of heat buildup thus giving the fan first in class longevity and reliability. The FC mounting clamp (as an accessory) prevents the transfer of vibration to the duct. The fans can be speed-controlled via a stepless thyristor.

To protect the motor from overheating the fan is impedance protected. The housing is manufactured from a two-piece stamped galvanized construction. The two halves are joined using Fantech's unique folded seam closure which gives the fan the first in class, nearly air tight seal. Duct connected outdoor and wet room applications of the fan are possible due to the air tight casing.

- Speed-controllable
- Built-in thermal overload protection with automatic reset
- Can be installed in any position and outdoors
- Maintenance-free and reliable
- Mounting bracket and hardware included

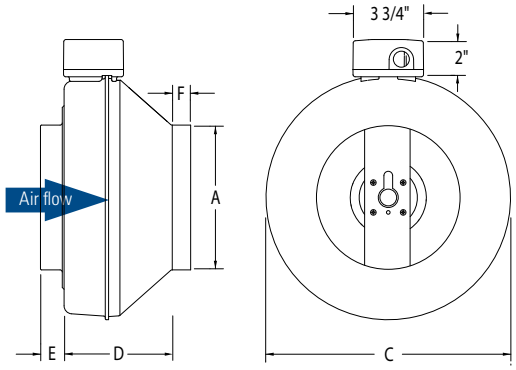
Specification data

Model*	Rated power	Voltage / phase	Max amps	RPM	0" P_s	.1" P_s	.2" P_s	.4" P_s	.6" P_s	.8" P_s	1.0" P_s	1.5" P_s	2.0" P_s	Max P_s	Shipping weight	UPC #	List price
	W	V / ~	A	min^{-1}	cfm (l/s)									in.wg	lbs		USD
FG 4	20	120 / 1	0.19	3000	135	123	110	83	55	25	-	-	-	0.94	7	48040 0	165.00
FG 4XL	71	120 / 1	0.66	2700	170	160	150	134	119	103	86	40	-	1.98	8	48045 5	182.00
FG 5	20	120 / 1	0.19	3000	156	143	130	99	66	33	-	-	-	0.99	7	48050 9	173.00
FG 5XL	73	120 / 1	0.68	2700	220	205	190	160	135	112	91	41	-	1.89	8	48055 4	185.00
FG 6	72	120 / 1	0.68	2700	303	287	270	232	196	164	134	58	-	1.88	10	48060 8	185.00
FG 6M	120	120 / 1	1.02	2350	418	394	370	317	268	224	186	101	-	2.10	12	48066 6	228.00
FG 6XL	153	120 / 1	1.48	2900	483	466	450	409	369	329	289	201	103	2.41	12	48065 3	251.00
FG 8	119	120 / 1	1.14	2550	461	435	410	351	295	243	191	97	-	2.11	12	48080 6	259.00
FG 8XL	142	120 / 1	1.45	2950	502	486	470	428	388	351	313	218	100	2.40	13	48085 1	306.00
FG 10	138	120 / 1	1.43	3000	513	497	480	444	407	366	324	216	89	2.36	12	48100 1	316.00
FG 10XL	196	120 / 1	1.96	3100	589	574	560	531	503	472	441	355	257	3.02	14	48105 6	350.00
FG 12	181	120 / 1	1.87	2600	741	711	680	601	515	434	363	236	146	2.99	18	48120 9	423.00
FG 12XL	301	120 / 1	3.01	2900	940	910	880	819	746	670	596	425	259	2.74	21	48125 4	476.00

Performance shown is for installation type D - Ducted intlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the (accessories).

* This product earned the ENERGY STAR® by meeting strict efficiency guidelines. All models meets ENERGY STAR® requirements except FG 4XL and FG 5XL.

Dimensions



Model	A	C	D	E	F
FG 4	4	8 1/2	6 1/2	1	1
FG 4XL	4	9 3/4	6 15/16	1	1
FG 5	5	8 5/8	6 1/2	1	1
FG 5XL	5	9 3/4	6	1 1/8	1 1/8
FG 6	6	11 3/8	6 1/4	1	7/8
FG 6XL & FG 6M	6	13 1/8	7	1	1
FG 8	8	13 1/4	6	1	1
FG 8XL	8	13 1/4	6	1 1/8	1
FG 10	10	13 1/4	4 3/4	1 1/8	1
FG 10XL	10	13 1/4	4 13/16	1 1/4	1
FG 12	12	16	6 11/16	1 1/4	1
FG 12XL	12	16	6 11/16	1 1/2	1

Dimensional information is in inches.

Learn how these fans work
for a bathroom on pages 10-13

Accessories

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

IR
Iris Damper
page 200

SHL/SGHL
Hood Liners
page 203

FD 60EM
Electronic Timer
page 198

SCD
Speed Control
page 198

WC 15
Speed Control
page 198

FR Series
Inline Centrifugal Fans

Fantech's versatile FR Series Inline Fans provide the ideal answer for a variety of air movement problems in residential and commercial applications. The fans feature a fully sealed plastic housing constructed of UV protected thermoplastic resin. This tough protective shell allows the fan to be mounted in outdoor and wet locations. FR fans feature external rotor motors that have proven dependable year after year.

FR fans can be used for multiple point exhaust applications, crawl space venting or make-up air supply. They are also widely used as booster fans to move air from one room or area to another.

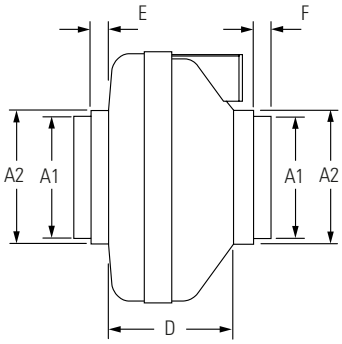
- Airflow up to 650 cfm
- Speed-controllable
- Prewired and supplied with a mounting bracket
- Can be installed in any orientiation
- Approved for residential and commercial applications and for wet locations
- Air stream temperatures up to 140 °F

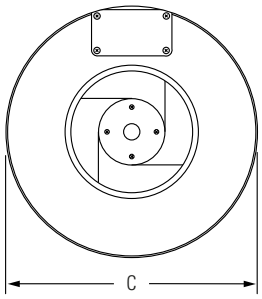
Specification data

Model*	Duct size	Rated power	Voltage / phase	Max. amps	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s	1.5" P_s	Max P_s	Shipping weight	UPC #	List price
	inch	W	V / ~	A	cfm							in.wg	lbs		USD
FR 100	4	19	120 / 1	0.18	122	100	78	55	15	-	-	0.87	6	01100 0	174.00
FR 110	4	80	120 / 1	0.72	167	150	133	113	88	63	4	1.60	7	01110 9	193.00
FR 125	5	18	120 / 1	0.18	148	120	88	47	-	-	-	0.79	6	01125 3	182.00
FR 140	6	61	120 / 1	0.53	214	190	162	132	99	46	-	1.15	8	01140 6	190.00
FR 150	6	71	120 / 1	0.67	263	230	198	167	136	106	17	1.58	8	01150 5	198.00
FR 160	6	129	120 / 1	1.14	289	260	233	206	179	154	89	2.32	8	01160 4	249.00
FR 200	8	122	120 / 1	1.11	408	360	308	259	213	173	72	2.14	10	01200 7	276.00
FR 225	8	137	120 / 1	1.35	429	400	366	332	297	260	168	2.48	11	01225 0	323.00
FR 250	10	241	120 / 1	2.40	649	600	553	506	454	403	294	2.58	13	01250 2	369.00

Performance shown is for installation type D - Ducted inlet, Ducted outlet. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the airstream.
*This product earned the ENERGY STAR® by meeting strict efficiency guidelines. All models meets ENERGY STAR® requirements except FR 110, FR 160 and FR 250.

Dimensions





Model	A1	A2	C	D	E	F
FR 100	4	5	9 1/2	6 1/8	7/8	7/8
FR 110	4	5	9 1/2	6 1/8	7/8	7/8
FR 125	-	5	9 1/2	6 1/8	7/8	-
FR 140	6	6 1/4	11 3/4	5 7/8	1	7/8
FR 150	6	6 1/4	11 3/4	5 7/8	1	7/8
FR 160	6	6 1/4	11 3/4	5 7/8	1	7/8
FR 200	8	10	13 1/4	6 1/4	1 1/2	1 1/2
FR 225	8	10	13 1/4	6 1/4	1 1/2	1 1/2
FR 250	-	10	13 1/4	6 1/4	1 1/2	-

All dimensions are in inches.

Accessories

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

IR
Iris Damper
page 200

FML
Metal Hood
page 197

WC 15
Speed Control
page 198

SCD
Speed Control
page 198

CVS Series
Inline Multi-Port Ventilators

The CVS Series multi-port ventilators have been engineered for installation in areas where space is limited. They are a popular choice for use in areas between floors in apartment buildings or high rise office complexes.

With CVS models, several exhaust points connect into one centrally located fan without the use of adapters or transitions. The motorized impeller is both statically and dynamically balanced as one integral unit, for vibration free, quiet performance.

With multiple exhaust points going into one fan, wall or roof penetrations are kept to a minimum.

CVS fans are simple to install. Simply select the fan mounting location, taking into account the type of application, service accessibility, and distance from exhaust point (to minimize fan operating noise). Secure the unit using either threaded rod or wires to suspend the unit. Finally, connect the ductwork to inlet and outlet of the fan using FC clamps.

- Airflows up to 400 cfm
- Slim design fits any tight space
- 100% speed controllable
- Internal scroll for maximum air performance
- Suitable for airstream temperatures up to 140° F

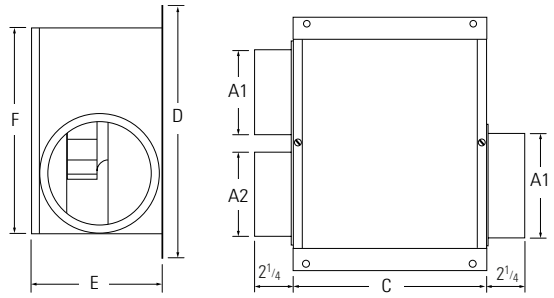
Specification data

Model	Duct size*	Rated power	Voltage / phase	Max. apms	RPM	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s	1.5" P_s	Max P_s	Shipping weight	UPC #	List price
	inch	W	V / ~	A	min^{-1}	cfm							in.wg	lbs		USD
CVS 275A	5 / 6	92	120 / 1	0.79	2550	245	220	192	171	147	126	34	1.72	15	33275 4	254.00
CVS 300A	4 / 6	123	120 / 1	1.07	2500	355	320	283	249	215	180	79	1.76	22	33300 3	335.00
CVS 400A	4 / 6	156	120 / 1	1.41	2950	404	380	352	324	299	274	204	2.30	23	33400 0	377.00

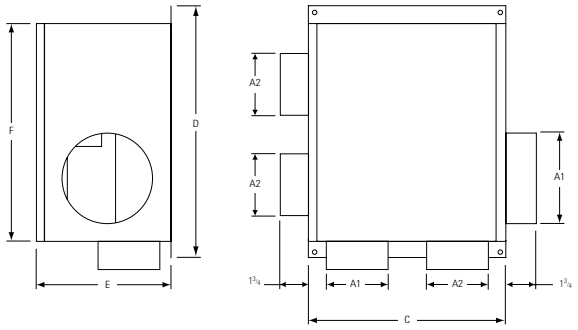
CVS Series performance is shown with ducted outlet. Per HVI`S Certified rating program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at 0.2 inches WG.
* - Duct size shows as inlet/outlet

Dimensions

CVS 275A



CVS 300A / CVS 400A



Model	A1	A2	C	D	E	F
CVS 275A	6	5	11	15	7 5/8	12
CVS 300A / CVS 400A	6	5	13	18 3/4	8 1/4	16

Dimensional information is in inches. Male duct connector is 1/8" smaller than duct size.

Accessories

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

IR
Iris Damper
page 200

FML
Metal Hood
page 197

WC 15
Speed Control
page 198

RPE
Speed Control
page 198

FKD Series - 120V
Inline Centrifugal Fans

Fantech, Inc. and Fantech Limited certify that the FKD Series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Fantech FKD direct drive, mixed flow centrifugal fans blend the high air flow of axial fans with the higher pressure, non-overloading characteristics of backward curved impellers. An excellent choice for exhaust or supply applications where quieter performance and easy installation are important. Perfect for commercial and institutional structures such as offices, hospitals, beauty salons, veterinary clinics as well as residential applications such as kitchen range hood exhaust.

- High efficiency impeller generates low noise
- 100% speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Maintenance-free and reliable
- Airstream temperatures up to 140 °F

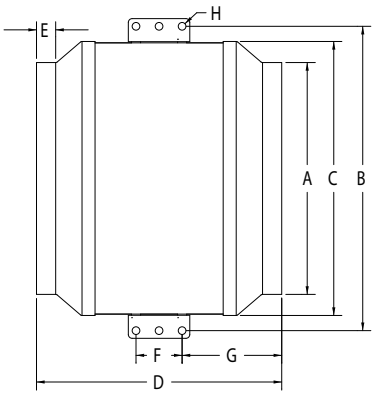
Specification data

Model	Rated power	Voltage / phase	Max amps	RPM	0.0" P_s	.25" P_s	.50" P_s	.75" P_s	1.0" P_s	1.5" P_s	2.0" P_s	Max P_s	Sones†	Shipping weight	UPC #	List price
	W	V / ~	A	min^{-1}	cfm							in.wg		lbs		USD
FKD 8XL	327	120 / 1	2.99[1]	2700	836	761	680	595	499	286	-	2.50	14.1	20	09085 2	563.00
FKD 10	329	120 / 1	3.01[1]	2700	910	836	752	653	547	342	-	2.60	15.3	19	09100 2	563.00
FKD 10XL	529	120 / 1	4.48[1]	2850	1266	1187	1100	1006	911	696	460	3.08	21.0	25	09105 7	649.00
FKD 12	531	120 / 1	4.86[2]	2900	1305	1228	1145	1054	948	712	479	3.08	23.0	24	09120 0	649.00
FKD 12XL	500	120 / 1	4.80[2]	1700	2016	1832	1649	1423	1066	-	-	1.52	18.7	44	09125 5	819.00
FKD 14	495	120 / 1	4.76[2]	1700	2156	1965	1764	1520	1193	-	-	1.52	18.4	44	09140 8	819.00
FKD 14XL	738	120 / 1	7.12[2]	1550	2619	2416	2180	1936	1662	843	0	1.94	19.0	54	09145 3	1,390.00
FKD 16	742	120 / 1	6.39[2]	1600	2952	2707	2445	2144	1804	774	-	1.90	18.5	54	09160 6	1,390.00
FKD 16XL	1421	120 / 1	12.40[3]	1600	4274	4014	3743	3452	3137	2379	1242	2.42	25.0	84	09165 1	2,005.00
FKD 18	1411	120 / 1	12.04[3]	1600	4448	4130	3871	3583	3239	2380	1231	2.51	24.0	85	09180 4	2,005.00

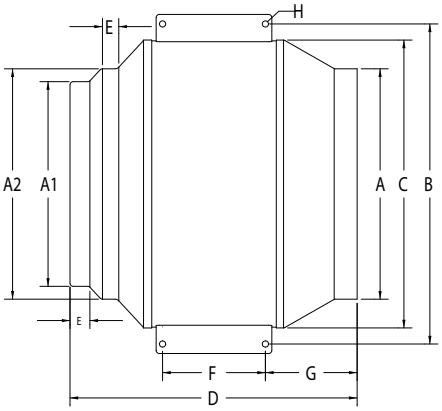
Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
† The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type D: ducted inlet hemispherical fan sone levels. Ratings do not include the effect of duct end correction. All sone values shown are calculated at 0.5" (static pressure in inches W.G.)
[1]Recommended speed control rating 5A [2]Recommended speed control rating 10A [3]Recommended speed control rating 15A

Dimensions

FKD 8XL - 12



FKD 12XL - 20



Model	A	A1	A2	B	C	D	E	F	G	H
FKD 8XL	8	-	-	14	12 1/2	15 1/2	3/4	2 3/8	6 1/8	3/8
FKD 10	10	-	-	14	12 1/2	15 1/2	3/4	2 3/8	5	3/8
FKD 10XL	10	-	-	15 5/8	14	15	3/4	2 3/8	6 3/8	3/8
FKD 12	12	-	-	15 5/8	14	12 1/2	3/4	2 3/8	5 1/8	3/8
FKD 12XL	12	12	14	20 1/4	17 7/8	18 7/8	7/8	4	8 3/4	3/8
FKD 14	14	12	14	20 1/4	17 7/8	17 1/4	1	1	6 3/4	3/8
FKD 14XL	14	14	16	22 1/8	19 3/4	20 1/4	1 1/2	1 1/2	8 3/4	3/8
FKD 16	16	14	16	22 1/8	19 3/4	18 3/4	1 1/2	1 1/2	7 1/8	3/8
FKD 16XL	16	16	18	24 3/8	22 1/8	23 1/4	1 1/4	1 1/4	8 1/2	1/2

Dimensional information is in inches.

Accessories

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

IR
Iris Damper
page 200

SHL/SGHL
Hood Liners
page 203

RC
Roof Caps
page 201

WC 15
Speed Control
page 198

RPE
Speed Control
page 198

FKD Series - 230V
Inline Centrifugal Fans

Fantech, Inc. and Fantech Limited certify that the FKD Series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Fantech FKD direct drive, mixed flow centrifugal fans blend the high air flow of axial fans with the higher pressure, non-overloading characteristics of backward curved impellers. An excellent choice for exhaust or supply applications where quieter performance and easy installation are important. Perfect for commercial and institutional structures such as offices, hospitals, beauty salons, veterinary clinics as well as residential applications such as kitchen range hood exhaust.

- High efficiency impeller generates low noise
- 230V version
- 100% speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Maintenance-free and reliable
- Airstream temperatures up to 140 °F

Specification data

Model	Rated power	Voltage / phase	Max. amps*	RPM	0.0" P_s	.25" P_s	.50" P_s	.75" P_s	1.0" P_s	1.25" P_s	1.5" P_s	2.0" P_s	Sones†	Weight	UPC #	List price
	W	V / ~	A	min^{-1}	cfm									lbs		USD
FKD 8XL-230	330	230 / 1	1.50	2785	820	749	670	579	479	375	276	121	16.9	20	42576 0	676.00
FKD 10-230	329	230 / 1	2.10	2775	872	809	717	619	523	432	340	150	20.6	19	42577 7	676.00
FKD 10XL-230	545	230 / 1	2.25	2940	1265	1189	1112	1032	944	848	741	497	23.2	25	40469 7	779.00
FKD 12-230	531	230 / 1	2.10	2845	1290	1219	1136	1043	941	833	717	469	25.0	24	40470 3	779.00
FKD 12XL-230	540	230 / 1	2.40	1690	1946	1762	1604	1377	1069	610	87	-	20.4	44	45300 8	983.00
FKD 14-230	540	230 / 1	2.40	1690	2070	1896	1683	1474	1093	589	166	-	19.4	54	45404 0	983.00
FKD 14XL-230	860	230 / 1	3.80	1575	2748	2481	2291	2038	1687	1270	851	186	22.1	54	45301 5	1,516.00
FKD 16-230	860	230 / 1	3.70	1575	2918	2364	1737	1453	1180	899	425	2	19.9	54	45303 9	1,516.00
FKD 16XL-230	1550	230 / 1	6.60	1635	4210	3946	3615	3233	2814	2372	1920	1037	24.3	84	45302 2	2,187.00
FKD 18-230	1550	230 / 1	6.60	1635	4490	4232	3946	3588	3152	2654	2127	1121	25.9	85	45305 3	2,187.00
FKD 18XL-230/460	2208	230/460 / 1	3.75	1700	6236	5995	5754	5500	5199	4909	4602	3703	32.0	108	09185 9	2,700.00
FKD 20-230/460	2218	230/460 / 1	3.73	1750	6291	6054	5829	5617	5307	4987	4667	3757	33.0	109	09200 9	2,700.00

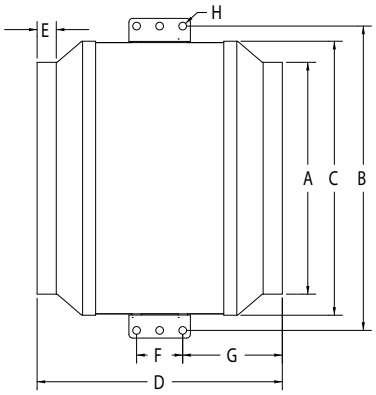
Performance certified is for installation type D - Ducted inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). Models FKD 18XL-230 & FKD 20-230 are not AMCA Licensed.

† The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type D: ducted inlet hemispherical fan sone levels. Ratings do not include the effect of duct end correction. All sone values shown are calculated at 0.5" (static pressure in inches W.G.)

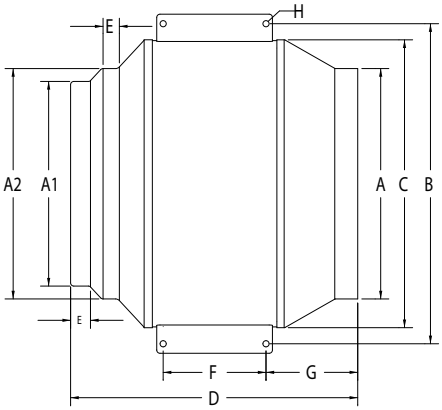
* Recommended speed control rating 15A

Dimensions

FKD 8XL - 12



FKD 12XL - 20



Model	A	A1	A2	B	C	D	E	F	G	H
FKD 8XL	8	-	-	14	12 1/2	15 1/2	3/4	2 3/8	6 1/8	3/8
FKD 10	10	-	-	14	12 1/2	12 1/2	3/4	2 3/8	5	3/8
FKD 10XL	10	-	-	15 5/8	14	15	3/4	2 3/8	6 3/8	3/8
FKD 12	12	-	-	15 5/8	14	12 1/2	3/4	2 3/8	5 1/8	3/8
FKD 12XL	12	12	14	20 1/4	17 7/8	18 7/8	7/8	4	8 3/4	3/8
FKD 14	14	12	14	20 1/4	17 7/8	17 1/4	1	1	6 3/4	3/8
FKD 14XL	14	14	16	22 1/8	19 3/4	20 1/4	1 1/2	1 1/2	8 3/4	3/8
FKD 16	16	14	16	22 1/8	19 3/4	18 3/4	1 1/2	1 1/2	7 1/8	3/8
FKD 16XL	16	16	18	24 3/8	22 1/8	23 1/4	1 1/4	1 1/4	8 1/2	1/2
FKD 18	18	16	18	24 3/8	22 1/8	21 3/4	1 1/4	1 1/4	7	1/2
FKD 18XL	18	18	20	30 3/8	28 1/8	27 1/4	2	2	10 1/2	1/2
FKD 20	20	18	20	30 3/8	28 1/8	27 3/4	2	2	10 1/2	1/2

Dimensional information is in inches.

Accessories

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

IR
Iris Damper
page 200

SHL/SGHL
Hood Liners
page 203

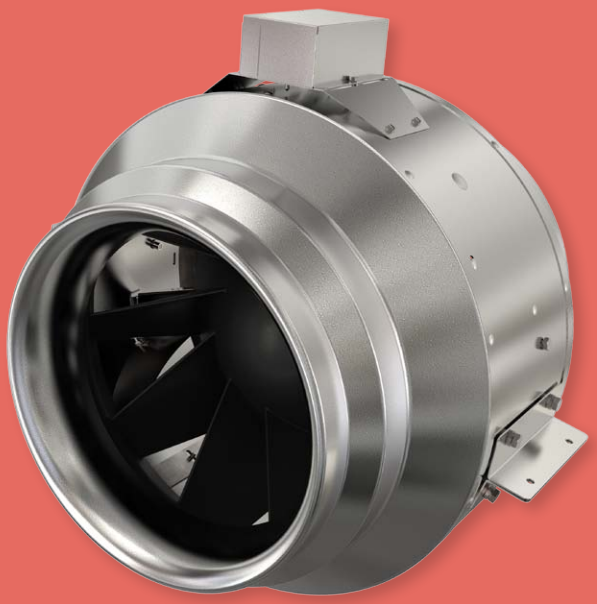
RC
Roof Caps
page 201

RPE
Speed Control
page 198

When you need the high airflow of an axial fan, with the pressure build-up of a centrifugal fan the FKD is the perfect solution. 100% speed controllable in a compact and reliable package.

THE BEST OF BOTH WORLDS

FKD 14
Inline Duct fan
$819.-



See more Mixed Flow Fans
on pages 188-190

RE(C) Series
Exterior Roof/Wall Centrifugal Fans

Fantech, Inc. and Fantech Limited certify that the RE (C) Series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

The RE/REC Series of direct drive centrifugal fans provide an excellent solution for residential or commercial ventilation applications where the fan must be mounted on the exterior of the building. Two base styles are available: RE models with a flat base for direct flashing to the roof or REC models with flanged base for curb mounting. RE models can also be mounted on an exterior wall when roof access is not suitable.

These multi-purpose fans can be used to move air from one or more venting points. Interior noise is not an issue because the fan motor is located outside the building envelope.

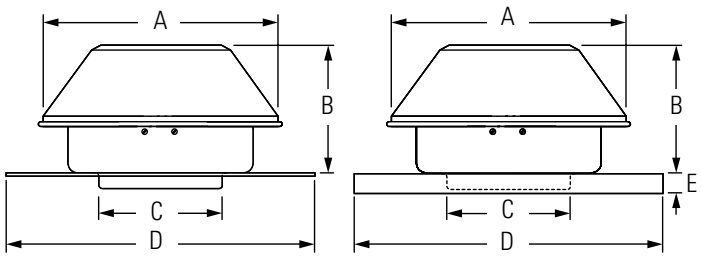
- Airflows up to 1008 cfm
- 100% speed controllable
- Suitable for airstream temperatures of up to 140° F
- Excellent heat dissipation for long motor life
- Built-in thermal overload protection with automatic reset

Specification data

Model	Rated power	Voltage / phase	Max. amps*	RPM	0.0" P_s	.25" P_s	.50" P_s	.75" P_s	1.0" P_s	1.5" P_s	Max P_s	Sones†	Shipping weight	UPC #	List price
	W	V / ~	A	min^{-1}	cfm						in.wg		lbs		USD
RE 54 / REC 54	19	120 / 1	0.18	3040	116	92	65	36	1	-	-	3.5*	11	42040 6 / 42045 1	250.00 / 254.00
RE 6 / REC 6	87	120 / 1	0.80	2700	227	199	169	134	106	-	1.84	7.5*	14	42060 4 / 42065 9	254.00 / 259.00
RE 8XL / REC 8XL	153	120 / 1	1.40	2800	409	356	307	259	212	130	2.23	8.9*	19	42080 2 / 42085 7	349.00 / 355.00
RE 10XL / REC 10XL	394	120 / 1	3.60	3250	753	721	690	656	622	548	4.03	16.4‡	31	42100 7 / 42105 2	573.00 / 578.00
RE 10XLT / REC 10XLT	531	120 / 1	4.86	2950	1008	949	890	831	766	609	3.17	21.0‡	33	42140 3 / 42145 8	748.00 / 761.00

Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
† The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical fan sone levels.
* Sone value shown was calculated at 0.5" (static pressure in inches W.G.).
‡ Sone value shown was calculated at 0.75" (static pressure in inches W.G.).

Dimensions



Model	A	B	C	D	E [2]
RE 54 / REC 54 [1]	10 15/16	6	5	15 1/2	1 1/2
RE 6 / REC 6	13 15/16	6 1/4	6	15 1/2	1 1/2
RE 8XL / REC 8XL	16 9/16	5 15/16	8	20	1 1/2
RE 10XL / REC 10XL	20 13/16	11 1/2	10	20	1 1/2
RE 10XLT / REC 10XLT	20 13/16	12 11/16	10	20	1 1/2

Dimensional information is in inches. Male duct connector is 1/8" smaller than duct size.
[1] Supplied with 5" to 4" reducer
[2] For REC models only

Accessories

5ACC.. FS
Flat Roof Curb
page 204

FC
Mounting Clamps
page 202

LD
Silencer
page 201

RSK
Backdraft Damper
page 201

SHL/SGHL
Hood Liners
page 203

WC 15
Speed Control
page 198

SCD
Speed Control
page 198

1WHV Series
Whole House Ventilators

The Fantech WHV Series fans cool and ventilate the entire home by replacing hot, stale air from living areas with cooler outside air. The whole house ventilator does not cool the air but create a gentle and comfortable airflow. It is especially beneficial in the evening when the outside air drops in temperature. Controlling the path of the airflow is as simple as opening or closing specific windows in areas which you would like to ventilate.

Fantech WHV fans begin with an 18 Gauge, welded Venturi frame for a solid foundation. Attached to the frame is a 5 blade, Super-Duty propeller balanced and tuned for maximum efficiency. This distinct design feature allows for more airflow at lower revolutions which makes our fan among the most efficient, quiet and reliable in the industry. As a compliment to the robust frame assembly, Fantech includes a 2-speed motor with built-in reset switch. The Fantech WHV series is 100% assembled and tested in the USA.

All WHV models include wood plenum, ceiling mount shutter, 2 speed switch and a 12 hour timer with a hold option.

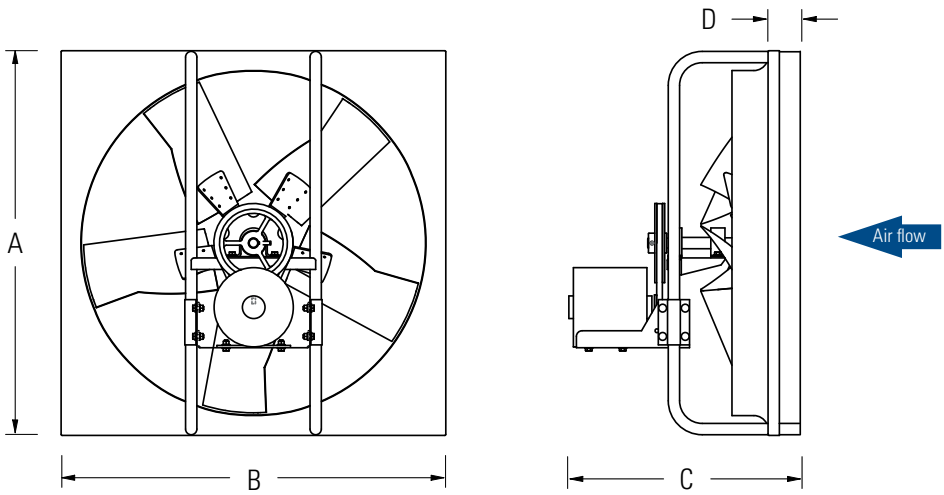
- 18 Gauge fully welded Venturi frame
- Large Radius inlet – increased efficiency
- Heavy gauge steel welded construction
- 1"x4" wood plenum, ready to install
- Vibration dampening gasketing
- California Energy Commission Listed
- Super Duty Propeller
- 2-speed switch & a 12 hr timer with a hold option

Specification data

Model	Motor power	Rated power	Voltage / phase	Full load	RPM	Speed	0.0" P_s	0.10" P_s	Sones @ 0.0" P_s	Sones @ 0.10" P_s	Cooling capability	Min. net attic exhaust area	Shipping weight	UPC #	List price
	HP	W	V / ~	Amps	min^{-1}		cfm				sq.ft.	sq.ft.	lbs		USD
1WHV 24	1/3	529	120 / 1	6.2	529	High	3700	2610	8.5	7.5	850	6	64	49928 0	637.00
	1/10	279		3.9	230	Low	1610	1150*	2	-					
1WHV 30	1/3	522	120 / 1	5.8	519	High	6510	5250	12.5	11.5	1,500	10	71	49929 7	707.00
	1/10	243		2.8	341	Low	4280	3460*	6.5	6.5					
1WHV 36	1/2	685	120 / 1	7.0	472	High	10820	9160	13.5	13	2,500	15	83	49930 3	940.00
	1/4	325		4.1	318	Low	7290	6200*	8	7.5					

Adequate opening for air intake and net attic exhaust area must be provided for proper fan operation. Performance ratings include the effects of a shutter in the airstream.
* Low speed performance is less than 0.1" based on system curve and Fan Laws.

Dimensions



Model	A / B	C max	D	Propeller
1WHV 24	28	23	4	24
1WHV 30	34	24	4	30
1WHV 36	40	26	4	36

Dimensional information is in inches.

Included in the kit

Ceiling Mount Shutter
page 205

Two Speed Switch

Keeping the indoors in and the outdoors out.

Air curtains

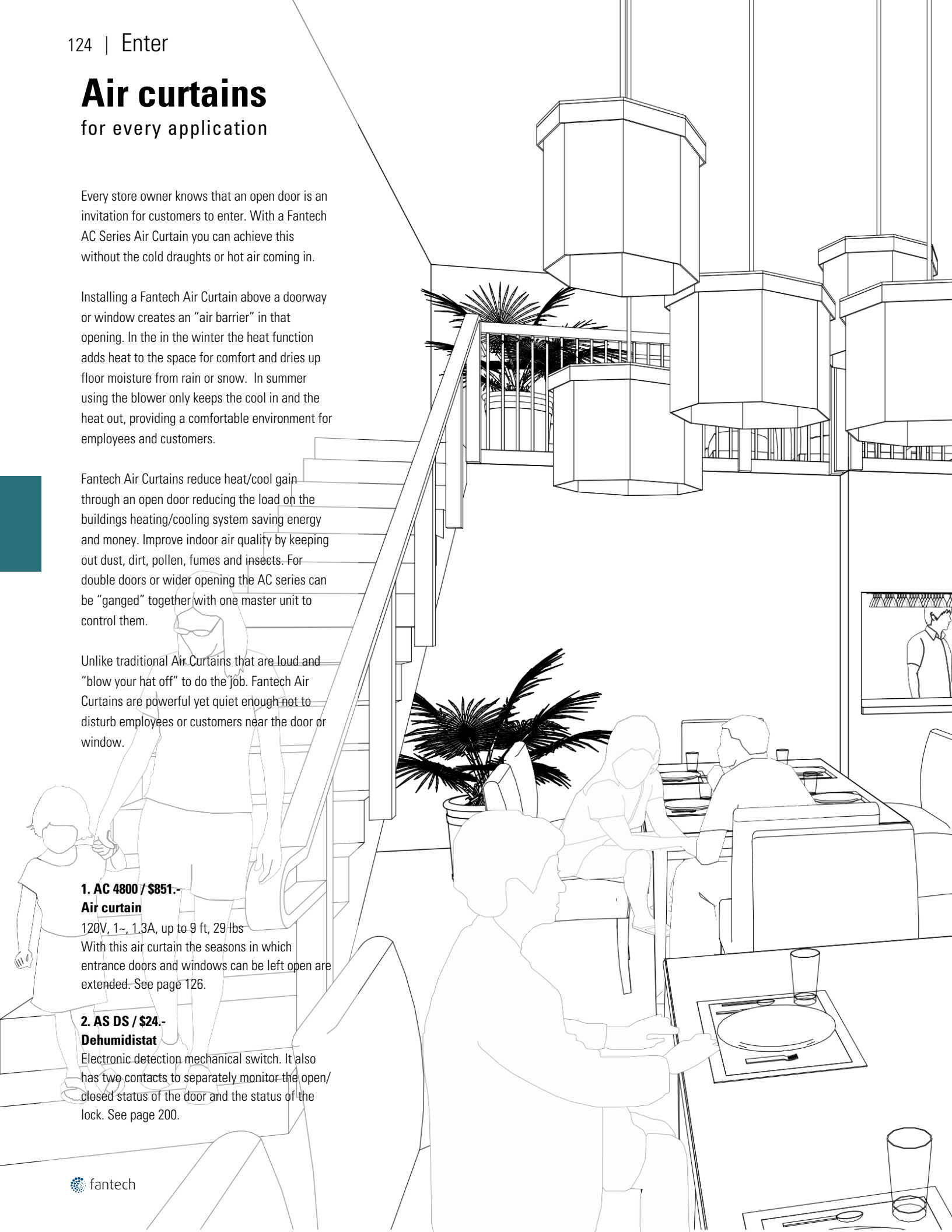
for every application

Every store owner knows that an open door is an invitation for customers to enter. With a Fantech AC Series Air Curtain you can achieve this without the cold draughts or hot air coming in.

Installing a Fantech Air Curtain above a doorway or window creates an “air barrier” in that opening. In the in the winter the heat function adds heat to the space for comfort and dries up floor moisture from rain or snow. In summer using the blower only keeps the cool in and the heat out, providing a comfortable environment for employees and customers.

Fantech Air Curtains reduce heat/cool gain through an open door reducing the load on the buildings heating/cooling system saving energy and money. Improve indoor air quality by keeping out dust, dirt, pollen, fumes and insects. For double doors or wider opening the AC series can be “ganged” together with one master unit to control them.

Unlike traditional Air Curtains that are loud and “blow your hat off” to do the job. Fantech Air Curtains are powerful yet quiet enough not to disturb employees or customers near the door or window.



1. AC 4800 / $851.-
Air curtain
120V, 1~, 1.3A, up to 9 ft, 29 lbs
With this air curtain the seasons in which entrance doors and windows can be left open are extended. See page 126.

2. AS DS / $24.-
Dehumidistat
Electronic detection mechanical switch. It also has two contacts to separately monitor the open/closed status of the door and the status of the lock. See page 200.

AC 4800
Air curtain

$851.- 1

AS/AC Series

Air Curtains for light commercial applications

Keep the indoors in and the outdoors out

Open doors and entry ways create drafts, increase costs and introduce pollutants. Installing an air curtain above the door or window adds a "barrier" in that opening. Heated units improve comfort by adding heat to the space and, as an added bonus, dry floors which may become wet due to rain or snow being tracked in from the outdoors. Air curtains reduce heat loss/heat gain, improving energy efficiency by reducing the load on the buildings HVAC system while effectively maintaining a comfortable air temperature indoors. Multiple units can be positioned end to end to cover unlimited widths.

- Quiet enough not to disturb occupants, allowing efficient operation in all installations
- The seasons, in which doors can be left open are extended with air curtains: customers are attracted to shops with open doors
- The reduction in drafts through the openings increases the energy efficiency of the building
- The air velocity is optimized to reduce entry of outdoor pollutants, bugs, dust and vehicle fumes

Specification data

Heated units

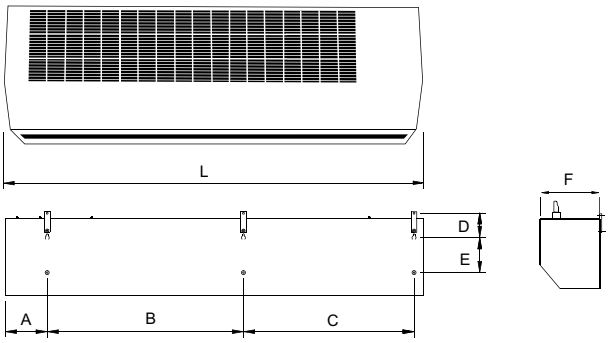
Model	Rated power	Voltage / phase	Max amps*	BTU/h	Airflow min/max	Air velocity max	Temp. rize Half/Full airflow	Sound level	Shipping weight	UPC #	List price
	kW (*)	V / ~	A		cfm	fpm		db (A)	lbs		USD
AS 4006/1~	6.0	208-230 / 1	24.5	20491	470/740	1600	26/41	42/51	44	29461 8	1,085.00
AS 4006/3~	5.6	208-230 / 3	14.3	19125	470/740	1600	26/41	43/51	44	29463 2	1,085.00
AS 4009/1~	9.0	208-230 / 1	39.5	30737	470/740	1600	39/61	42/51	47	29491 5	1,173.00
AS 4009/3~	9.0	208-230 / 3	23.0	30737	470/740	1600	39/61	43/51	47	29493 9	1,173.00
AS 6008/1~	8.0	208-230 / 1	35.2	27321	650/1240	1600	20/39	43/52	69	29681 0	1,520.00
AS 6008/3~	8.0	208-230 / 3	20.5	27321	650/1240	1600	20/39	44/52	75	29683 4	1,520.00
AS 6012/3~	12.0	208-230 / 3	30.5	40982	650/1240	1600	31 [1]	43/52	76	29623 0	1,595.00

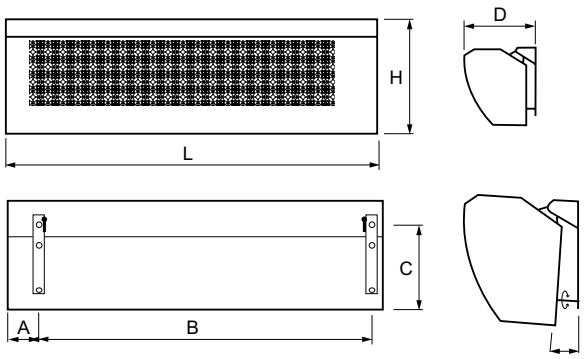
* for 208V operation, power output is redused by 20% from rated values
[1] fan goes to full airflow when high heat is selected

Unheated units

Model	Rated power	Voltage / phase	Max amps*	BTU/h	Airflow min/max	Air Velocity max	Temp. Rize Half/Full airflow	Sound Level	Weight	UPC #	List price
	kW (*)	V / ~	A		cfm	fpm		db (A)	lbs		USD
AC 3600/1	-	115	1.2	-	590/795	2018	-	44/53	24	29361 1	807.00
AC 4800/1	-	115	1.3	-	765/1000	2400	-	45/54	29	29481 6	851.00

Dimensions



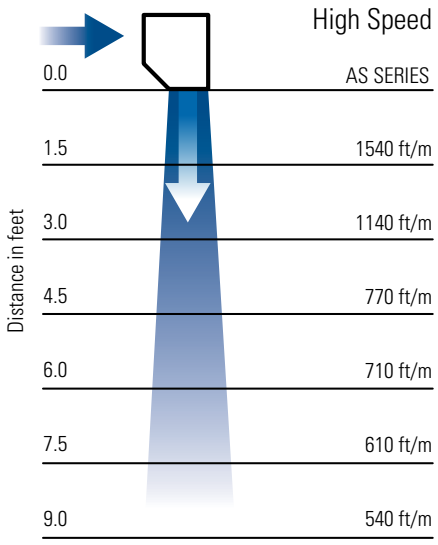


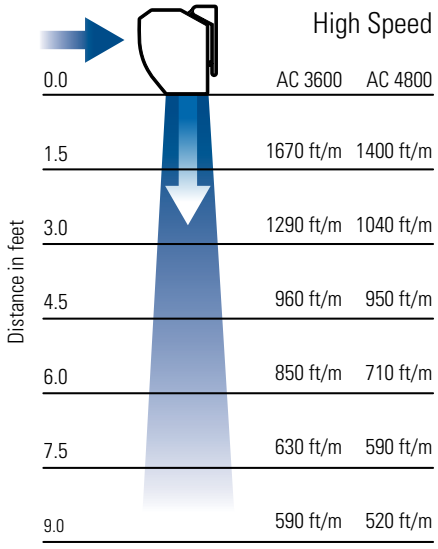
Model	A	B	C	D	E	F	L
AS 4006, AS 4009	6	31 1/2	-	3 1/2	5	9 1/2	39
AS 6008, AS 6012	6	27 1/3	24	3 1/2	5	9 1/2	60

Model	A	B	C	D	H	L
AC 3600	3 3/4	30 1/4	8 1/2	8 1/2	9 1/4	36
AC 4800	3 3/4	42 1/2	8 1/2	8 1/2	9 1/4	48

Dimensional information is in inches.

Air velocity



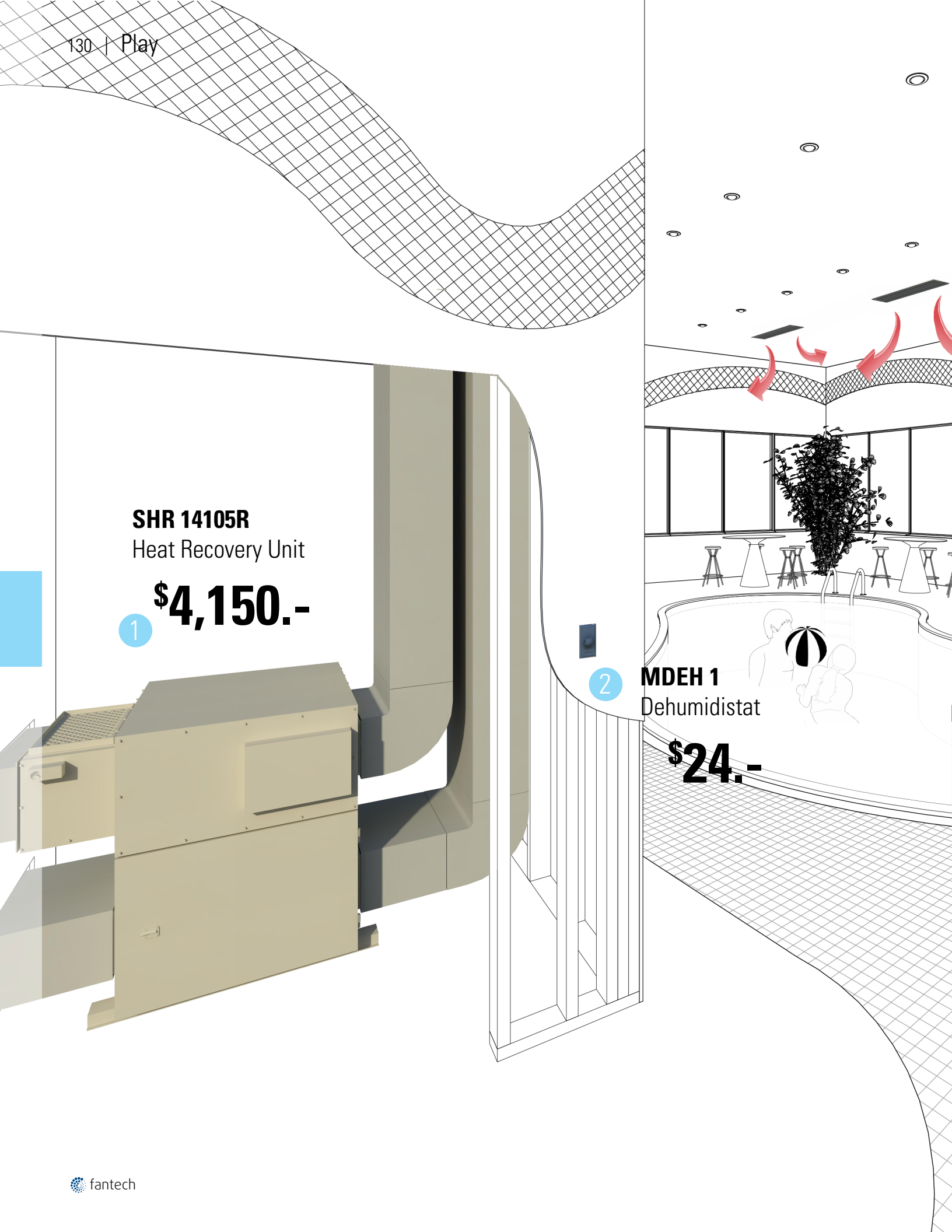


Accessories

AS DS
Door Switch
page 200

AS TS
Thermostat
page 200

A healthy pool means healthy swimming.



SHR 14105R
Heat Recovery Unit

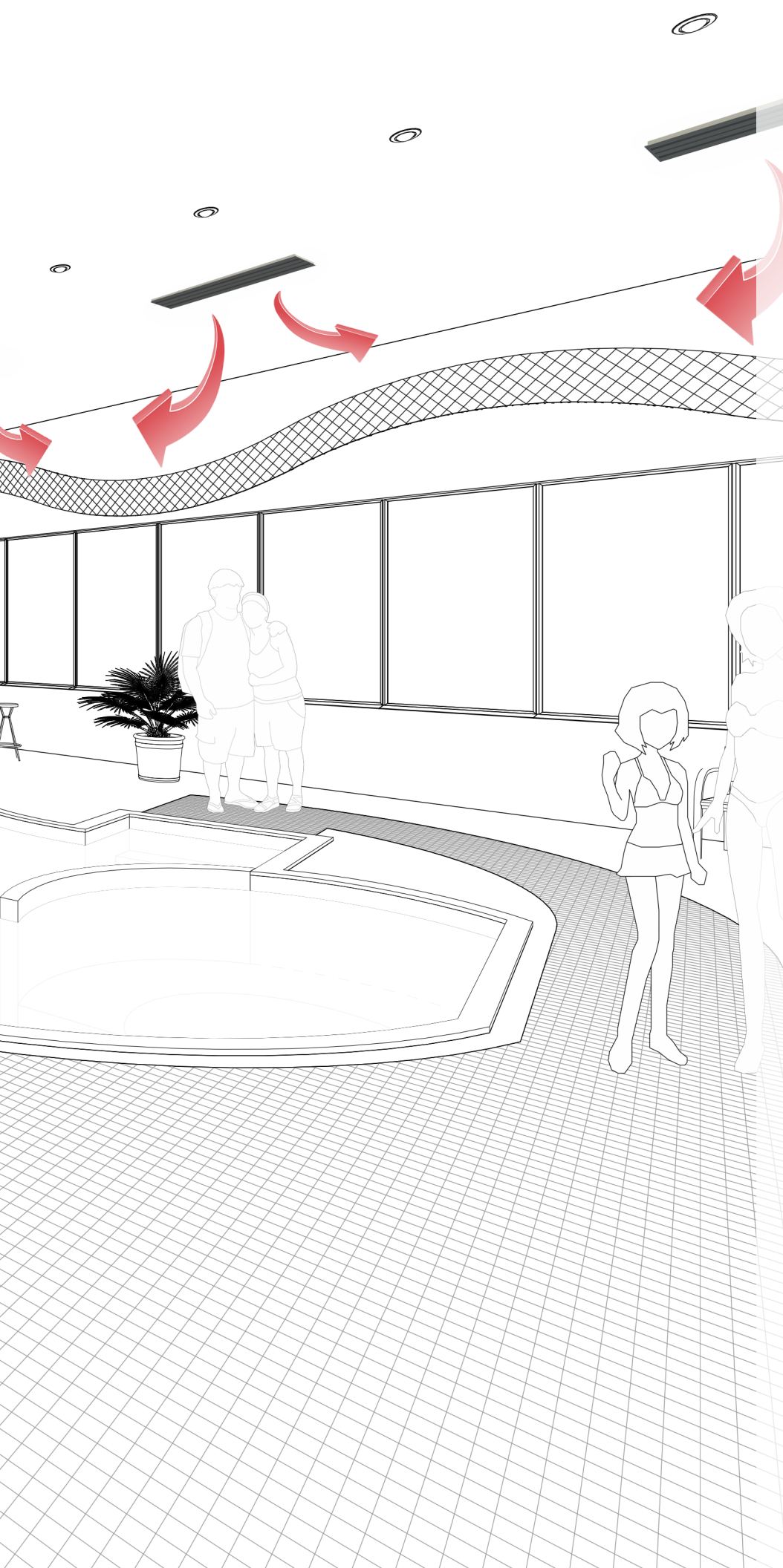
1 **$4,150.-**

2 **MDEH 1**
Dehumidistat

$24.-

Indoor pool

A Refreshing Choice



An indoor pool can be a lot of fun if ventilated and dehumidified properly. The complex environment needs constant care and maintenance. Ventilation plays a significant role in occupant comfort and asset protection.

Chemicals used to treat the pool water can build up leading to possible respiratory problems for some bathers. Bringing in a supply of fresh air and removing stale humid air can alleviate this problem. Chemicals can also build up causing structure corrosion diluting the pollution with fresh air can protect the building.

Using a Fantech Heat Recovery Ventilator provides an economical, energy saving solution to pool ventilation and dehumidification in climates where the air is dryer outside than inside. Heat from the exhaust air is transferred to the incoming cooler air raising the temperature and lowering the load on the HVAC system. The unit is designed to reduce the occurrence of condensation in the indoor environment by first operating in the recirculation mode, moving air around the structure, keeping windows dry and eliminating troublesome cold spots, then switching to air exchange mode as needed.

For correct sizing of your pool HRV contact Fantech Customer Support.

1. SHR 14105R / $4.150.-
Heat Recovery Ventilator
120V, 10.8A, 1296W, 1410 cfm, max P_s=2.0"
The commercial Heat Recovery Ventilation system (HRV) is designed to supply air into a pool area, while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system. See page 146.

2. MDEH 1 / $24.-
Dehumidistat
2-wire low voltage dehumidistat control with rotary dial. Just turn the dial to set the humidity level. Multiple units can be used with any HRV's.

SHR 6904

Commercial Heat Recovery Ventilators

The SHR 6904 Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

A preset defrost sequence is activated at an outdoor air temperature of 23ºF and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower continues to ventilate for a few minutes. The unit then returns to normal operation, and continues cycle.

- Airflow up to 687 cfm @ 0.4" P_s
- Push-pull configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s
Supply air flow (high)	722	687	651	615	580	544	508	472	437	401
Exhaust air flow (high)	722	687	651	615	580	544	508	472	437	401

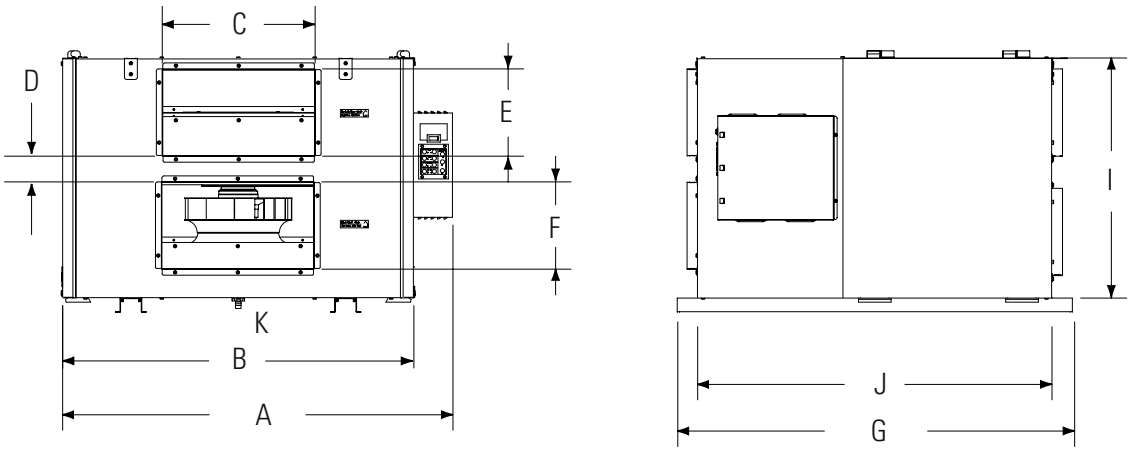
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	ºF	cfm	%
Heating	35	690	63
	35	518	68
Cooling	95	690	47
	95	518	49

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 6904	120 / 1	660	5.5	687	Side	Auto	225	40417 8	2,620.00

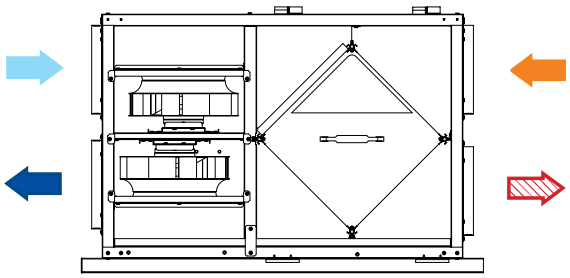
Dimensions



Model	A	B	C	D	E	F	G	J	I	K (drain spout)
SHR 6904	36 1/3	32 1/5	14	22 2/5	8	8	36 1/3	32 1/2	22	1/2

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SHR 6904
- Total assembled weight: 185 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF.
- Core: 2 cores each 12" x 12" x 15"
- Filters: 4 washable electrostatic filters 11.5˝ x 11.4˝ x 0.125˝

Accessories

Eco-Touch™
Wall Control
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EDF 1
Electronic Control
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RTS 2
Electronic Timer
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RTS 3
Electronic Timer
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MDEH
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SHR 6905R

Commercial Heat Recovery Ventilators

The SHR 6905R Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the building can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy.

- Airflow up to 687 cfm @ 0.4" P_s
- Push-pull configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s
Supply air flow (high)	722	687	651	615	580	544	508	472	437	401
Exhaust air flow (high)	722	687	651	615	580	544	508	472	437	401

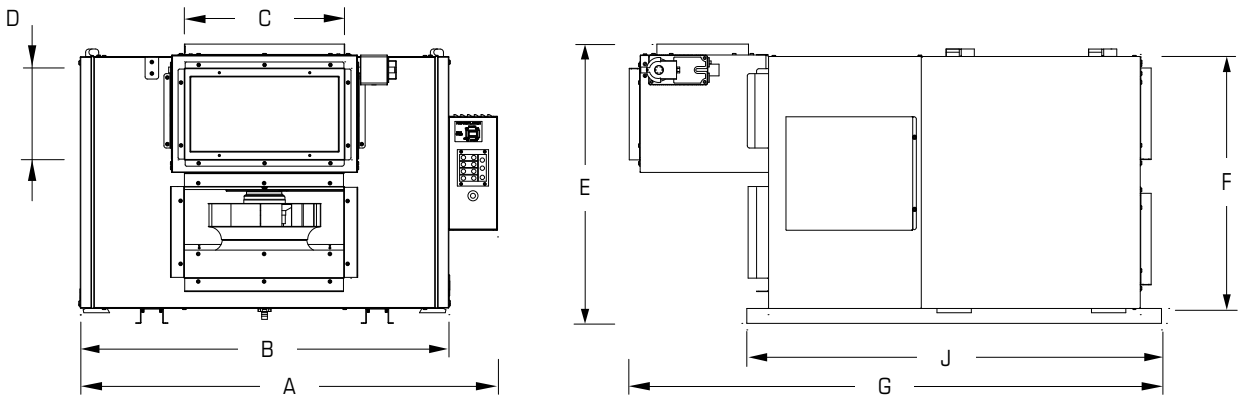
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	°F	cfm	%
Heating	35	690	63
	35	518	68
Cooling	95	690	47
	95	518	49

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 6905R	120 / 1	660	5.5	687	Side	Recirculation	240	41047 6	2,820.00

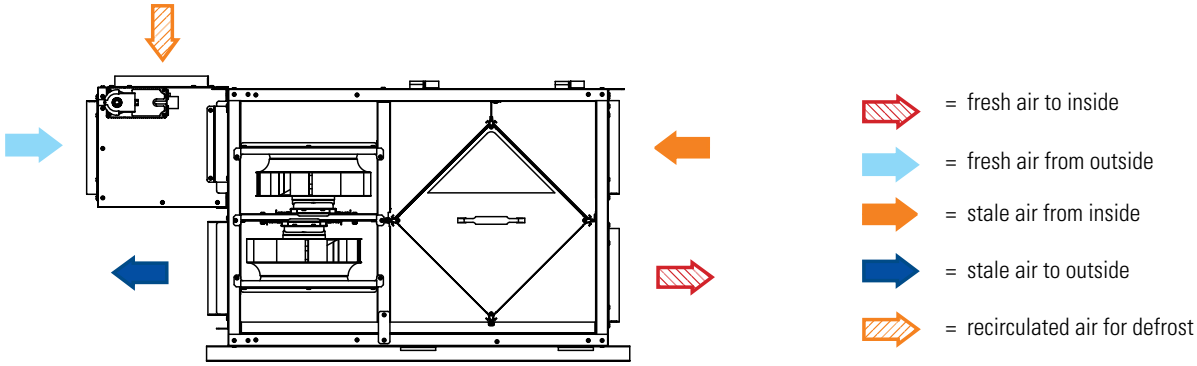
Dimensions



Model	A	B	C	D	E	F	G	J
SHR 6905R	35 4/5	32 1/3	14	8	24 2/5	22	45 1/2	36 1/3

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



Specifications

- Model: SHR 6905R
- Total assembled weight: 200 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF.
- Core: 2 cores each 12" x 12" with a 15" depth
- Filters: 4 washable electrostatic filters

Accessories

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EDF 1R
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RTS 2
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RTS 3
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SHR 8004

Commercial Heat Recovery Ventilators

The SHR 8004 Commercial Heat Recovery Ventilation system (HRV) is perfect complement to today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

A preset defrost sequence is activated at an outdoor air temperature of 23°F and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower continues to ventilate for a few minutes. The unit then returns to normal operation, and continues cycle.

- Airflow up to 772 cfm @ 0.4" P_s
- Push-push configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Supply air flow (high)	802	772	743	713	684	654	625	596	566	537	507	478	449
Exhaust air flow (high)	802	772	743	713	684	654	625	596	566	537	507	478	449

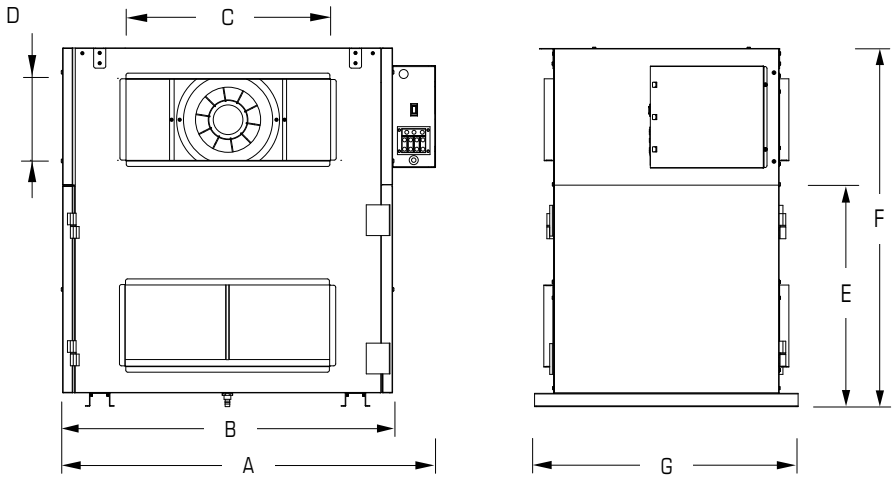
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	°F	cfm	%
Heating	35	690	63
	35	518	68
Cooling	95	690	47
	95	518	49

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 8004	120 / 1	648	5.4	772	Side	Auto	198	04431 2	2,750.00

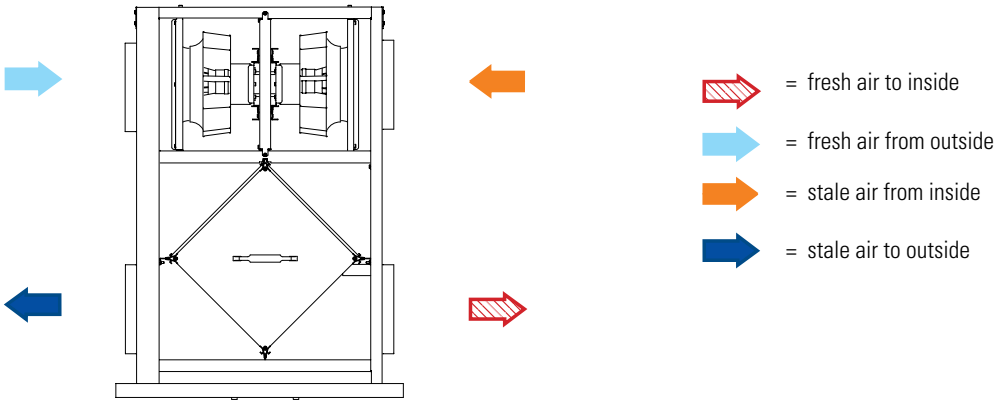
Dimensions



Model	A	B	C	D	E	F	G
SHR 8004	36 2/5	32 1/5	20	22 2/5	20 1/5	35	25 7/9

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



Specifications

- Model: SHR 8004
- Total assembled weight: 158 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF
- Filters: 4 washable electrostatic filters
- Core: 2 cores each 12" x 12" with a 15" depth

Accessories

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SHR 8005R

Commercial Heat Recovery Ventilators

The SHR 8005R Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the building can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy.

- Airflow up to 772 cfm @ 0.4" P_s
- Push-push configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Supply air flow (high)	802	772	743	713	684	654	625	596	566	537	507	478	449
Exhaust air flow (high)	802	772	743	713	684	654	625	596	566	537	507	478	449

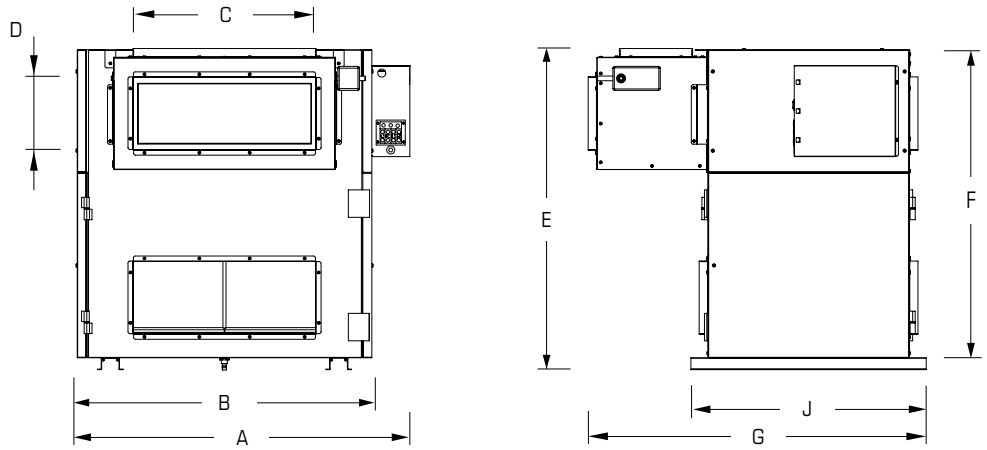
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	°F	cfm	%
Heating	35	690	63
	35	518	68
Cooling	95	690	47
	95	518	49

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 8005R	120 / 1	648	5.4	772	Side	Recirculation	213	40455 0	3,295.00

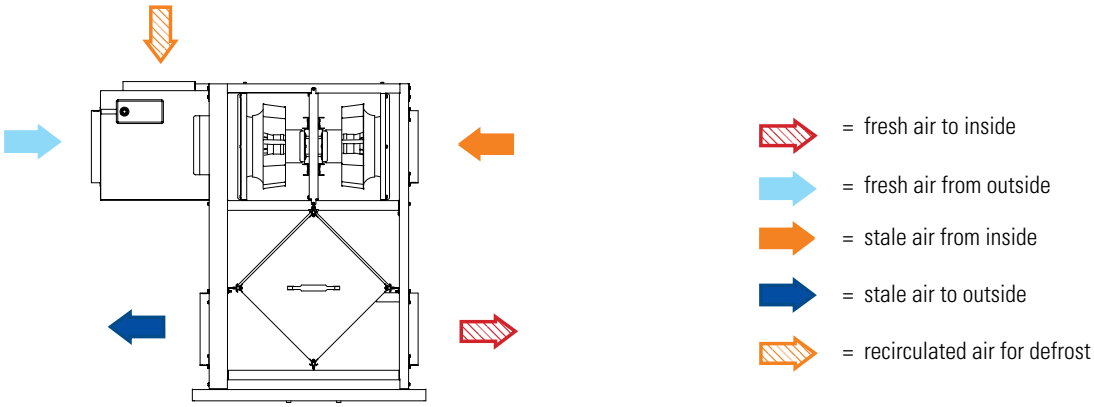
Dimensions



Model	A	B	C	D	E	F	G
SHR 8005R	36 2/5	32 1/5	20	8	35	33 7/9	25 7/9

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



Specifications

- Model: SHR 8005R
- Total assembled weight: 173 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF
- Filters: 4 washable electrostatic filters
- Core: 2 cores each 12" x 12" with a 15" depth

Accessories

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RTS 3
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SHR 11004

Commercial Heat Recovery Ventilators

The SHR 11004 Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

A preset defrost sequence is activated at an outdoor air temperature of 23ºF and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower continues to ventilate for a few minutes. The unit then returns to normal operation, and continues cycle.

- Airflow up to 1032 cfm @ 0.4" P_s
- Push-pull configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s	1.6" P_s
Supply air flow (high)	1082	1032	982	932	882	832	782	732	682	632	582	532	482	432
Exhaust air flow (high)	1082	1032	982	932	882	832	782	732	682	632	582	532	482	432

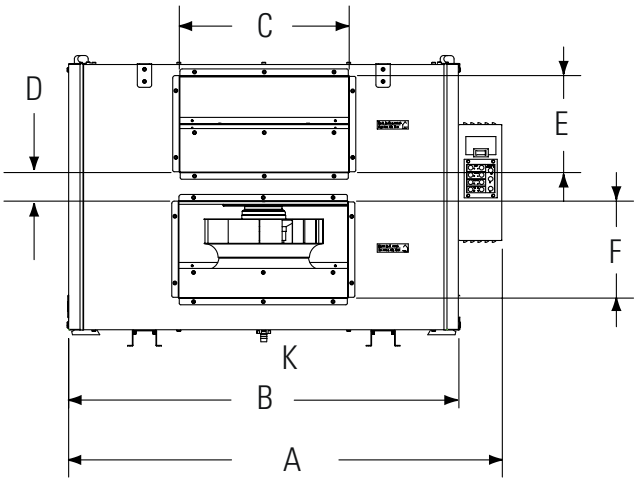
Energy performance

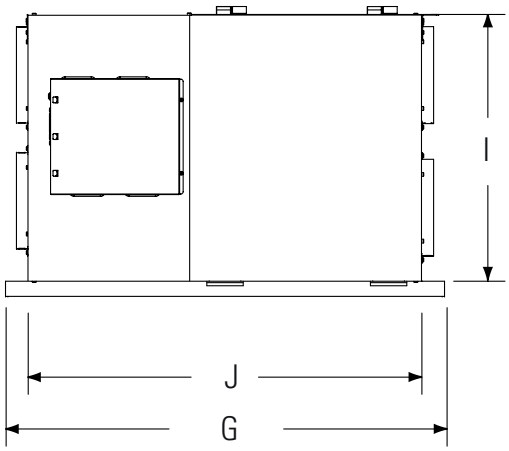
Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	ºF	cfm	%
Heating	35	1035	63
	35	776	68
Cooling	95	1035	47
	95	776	49

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 11004	120 / 1	1320	11	1032	Side	Auto	280	40419 2	3,360.00

Dimensions

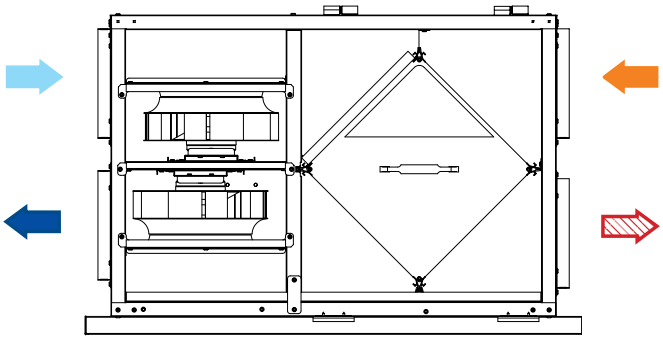




Model	A	B	C	D	E	F	G	J	I
SHR 11004	51 2/5	47 1/5	20	2 2/5	8	8	36 1/3	32 1/2	22

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SHR 11004
- Total assembled weight: 240 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF.
- Filters: 6 washable electrostatic filters 11.75" x 15" x 0.26"
- Core: 3 cores each 12" x 12" with a 15" depth

Accessories

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EDF 1
Electronic Control
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RTS 2
Electronic Timer
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RTS 3
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SHR 11005R

Commercial Heat Recovery Ventilators

The SHR 11005R Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the building can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy.

- Airflow up to 1032 cfm @ 0.4" P_s
- Push-push configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s	1.6" P_s
Supply air flow (high)	1082	1032	982	932	882	832	782	732	682	632	582	532	482	432
Exhaust air flow (high)	1082	1032	982	932	882	832	782	732	682	632	582	532	482	432

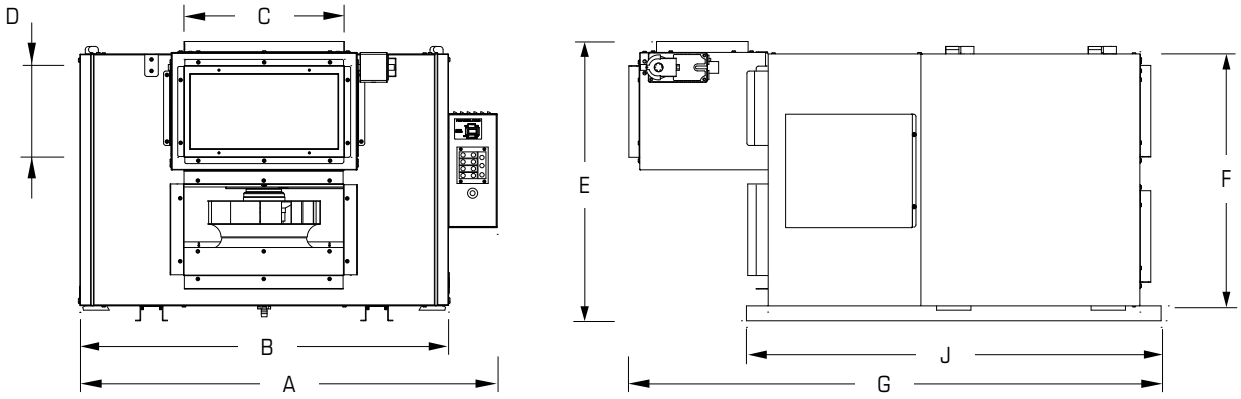
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	°F	cfm	%
Heating	35	1035	63
	35	776	68
Cooling	95	1035	47
	95	776	49

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 11005R	120 / 1	1320	11	1032	Side	Recirculation	295	41048 3	3,715.00

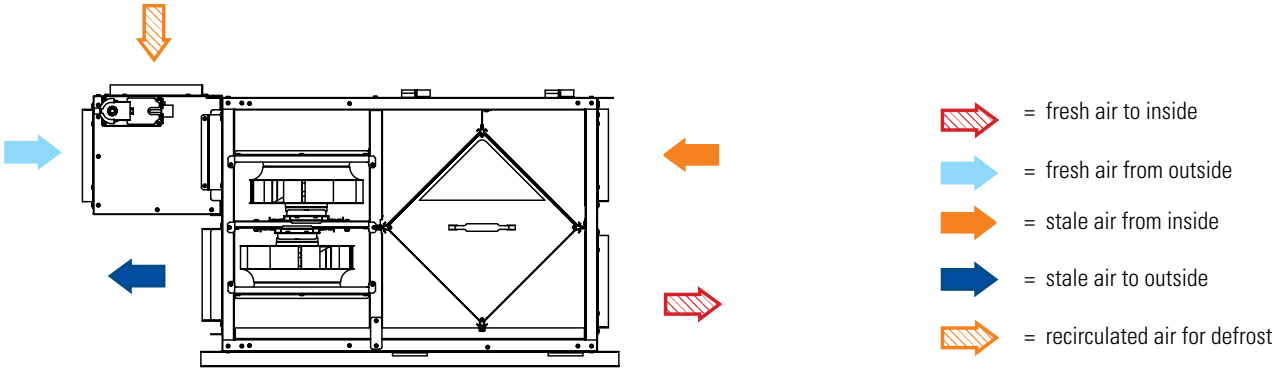
Dimensions



Model	A	B	C	D	E	F	G	J
SHR 11005R	51 2/5	47 1/5	20	8	24 1/5	22	46 1/2	36 1/3

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



Specifications

- Model: SHR 11005R
- Total assembled weight: 255 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF
- Filters: 6 washable electrostatic filters 11.75" x 15" x 0.26"
- Core: 3 cores each 12" x 12" with a 15" depth

Accessories

Eco-Touch™
Wall Control
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EDF 1R
Electronic Control
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RTS 2
Electronic Timer
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RTS 3
Electronic Timer
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MDEH
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SHR 14104
Commercial Heat Recovery Ventilators

The SHR 14104 Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

A preset defrost sequence is activated at an outdoor air temperature of 23ºF and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower continues to ventilate for a few minutes. The unit then returns to normal operation, and continues cycle.

- Airflow up to 1430 cfm @ 0.4" P_s
- Push-pull configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Supply air flow (high)	1485	1430	1374	1319	1263	1207	1152	1096	1041	985	930	874	819
Exhaust air flow (high)	1485	1430	1374	1319	1263	1207	1152	1096	1041	985	930	874	819

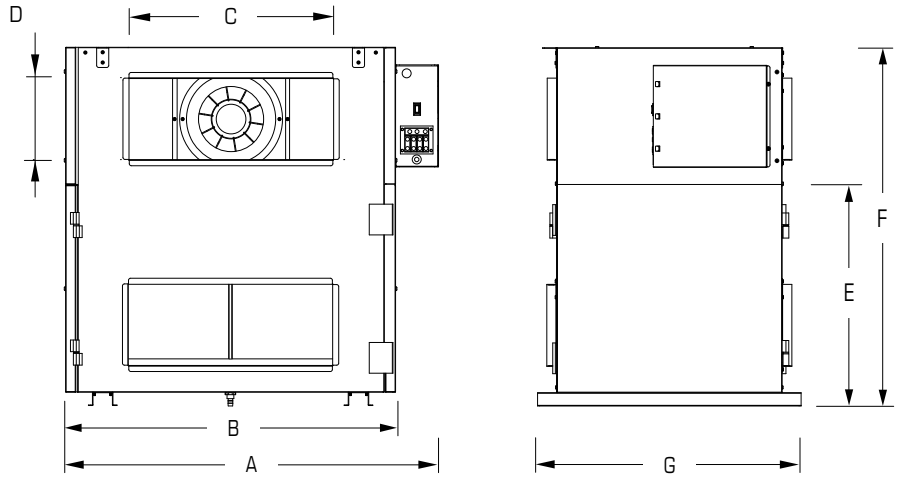
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	ºF	cfm	%
Heating	35	1410	55
	35	1058	63
Cooling	95	1410	44
	95	1058	47

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 14104	120 / 1	1272	10.6	1430	Side	Auto	280	40438 3	3,600.00

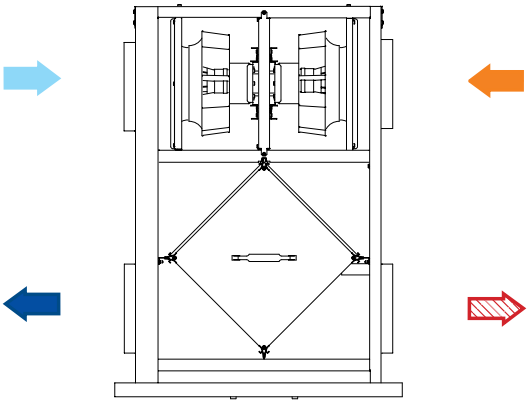
Dimensions



Model	A	B	C	D	E	F	G
SHR 14104	51 2/5	47 1/5	24	8	22	35	25 7/9

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SHR 14104
- Total assembled weight: 240 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF
- Core: 3 cores each 12" x 12" with a 15" depth
- Filters: 6 washable electrostatic filters

Accessories

Eco-Touch™
Wall Control
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EDF 1
Electronic Control
page 199

RTS 2
Electronic Timer
page 199

RTS 3
Electronic Timer
page 199

MDEH
Dehumidistat
page 199

MGE
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MGS
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IR
Iris Damper
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SHR 14105R

Commercial Heat Recovery Ventilators

The SHR 14105R Commercial Heat Recovery Ventilation system (HRV) complements today's tight buildings. Fantech Heat Recovery Ventilators (HRV) are designed to supply air into a building while exhausting an equal amount of contaminated air to the outside. The aluminum heat exchange core transfers sensible energy between air steams resulting in tempering of the supply air and reduced loads on the HVAC system.

During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the building can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy.

- Airflow up to 1430 cfm @ 0.4" P_s
- Push-push configuration
- External low voltage contacts
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Supply air flow (high)	1485	1430	1374	1319	1263	1207	1152	1096	1041	985	930	874	819
Exhaust air flow (high)	1485	1430	1374	1319	1263	1207	1152	1096	1041	985	930	874	819

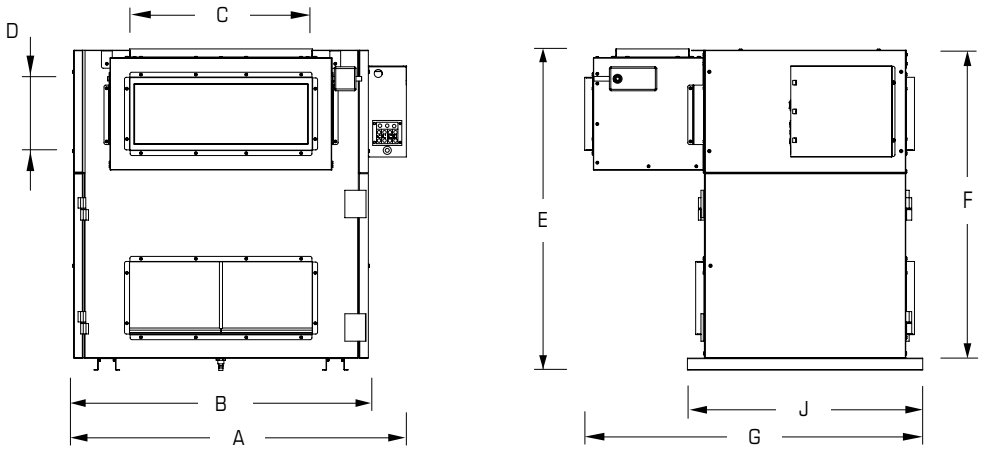
Energy performance

Heating	Supply temperature	Net airflow	Apparent sensible effectiveness
	^{0}F	cfm	%
Heating	35	1410	55
	35	1058	63
Cooling	95	1410	44
	95	1058	47

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SHR 14105R	120 / 1	1272	10.6	1430	Side	Recirculation	295	40445 1	4,150.00

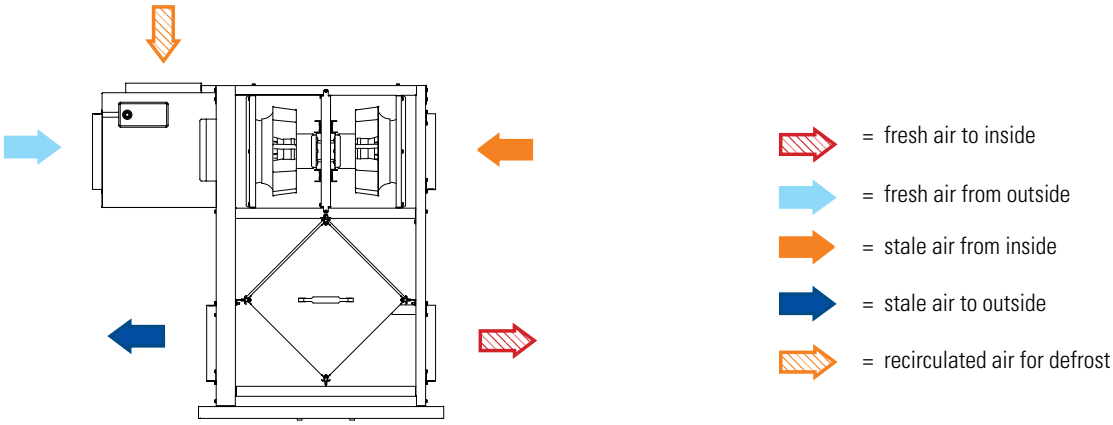
Dimensions



Model	A	B	C	D	E	F	G	J
SHR 14105R	51 2/5	47 1/2	20	8	35	33 7/9	25 7/9	22

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



Specifications

- Model: SHR 14105R
- Total assembled weight: 255 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF.
- Core: 3 cores each 12" x 12" with a 15" depth
- Filters: 6 washable electrostatic filters

Accessories

Eco-Touch™
Wall Control
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EDF 1R
Electronic Control
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RTS 2
Electronic Timer
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RTS 3
Electronic Timer
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MDEH
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IR
Iris Damper
page 200

Good IAQ for your home away from home.

Office building

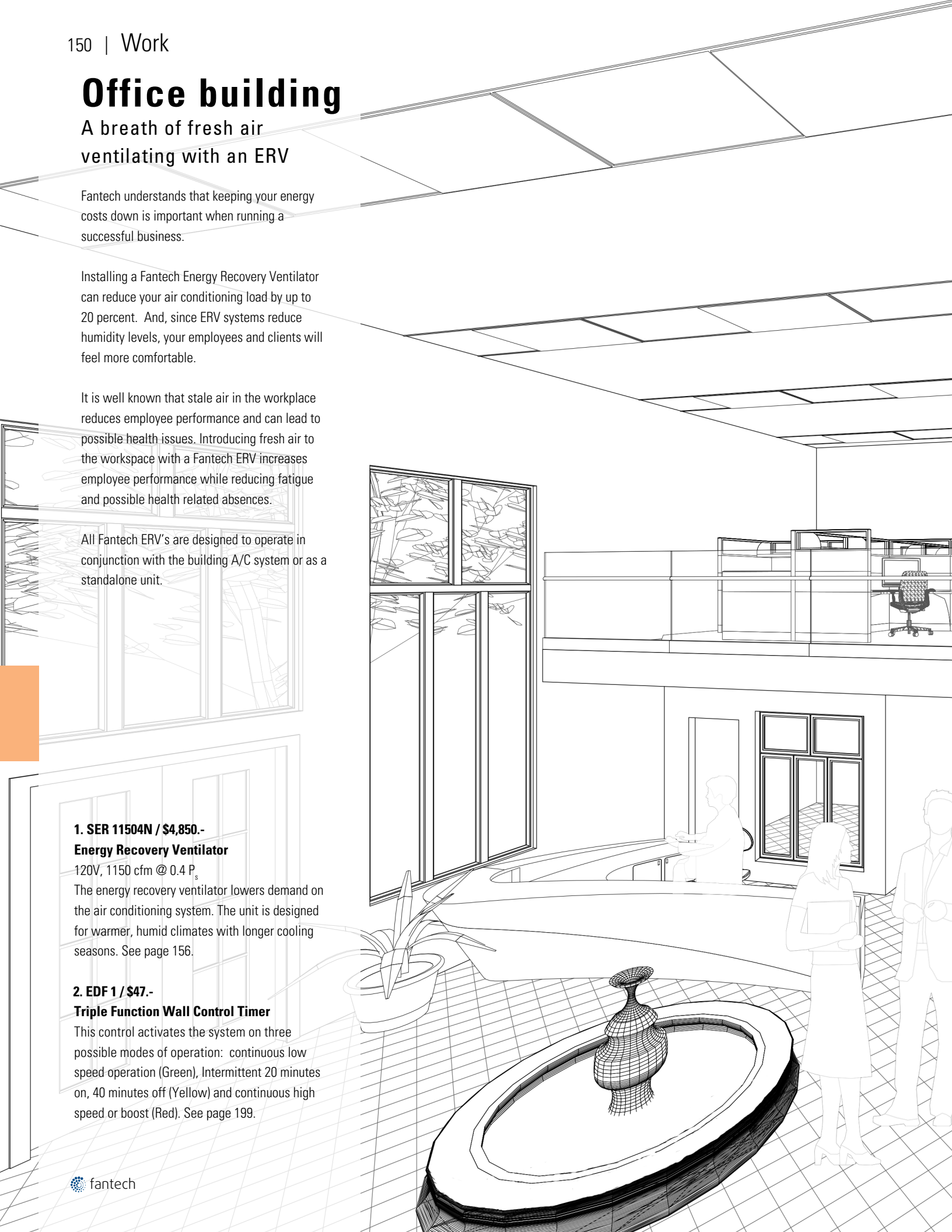
A breath of fresh air ventilating with an ERV

Fantech understands that keeping your energy costs down is important when running a successful business.

Installing a Fantech Energy Recovery Ventilator can reduce your air conditioning load by up to 20 percent. And, since ERV systems reduce humidity levels, your employees and clients will feel more comfortable.

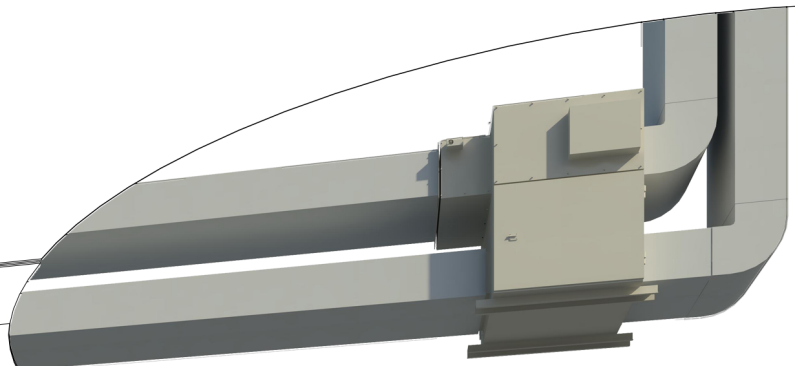
It is well known that stale air in the workplace reduces employee performance and can lead to possible health issues. Introducing fresh air to the workspace with a Fantech ERV increases employee performance while reducing fatigue and possible health related absences.

All Fantech ERV's are designed to operate in conjunction with the building A/C system or as a standalone unit.



1. SER 11504N / $4,850.-
Energy Recovery Ventilator
120V, 1150 cfm @ 0.4 P_s
The energy recovery ventilator lowers demand on the air conditioning system. The unit is designed for warmer, humid climates with longer cooling seasons. See page 156.

2. EDF 1 / $47.-
Triple Function Wall Control Timer
This control activates the system on three possible modes of operation: continuous low speed operation (Green), Intermittent 20 minutes on, 40 minutes off (Yellow) and continuous high speed or boost (Red). See page 199.



1

SER 11504N
Energy Recovery Ventilator

$4,850.-

SER 5504N
Light Commercial ERV

The SER Series lowers demand on air conditioning systems. Air supplied from outdoors enters through the energy recovery core where it transfers the heat and moisture the incoming air to the outgoing air that was cooled and dried by the building's air conditioner. The air brought into the working area is cooled and the humidity is reduced for maximum comfort. Reduces the load on an air conditioner to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

Applications include classrooms, retail shops, hair salons, bars and restaurants, offices, clinics, and animal shelters, etc.

- Airflow up to 533 cfm @ 0.4" P_s
- Push-pull configuration
- External low voltage contacts
- No defrost
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Supply air flow (high)	559	533	506	480	454	427	401	374	348	322	295	269	243
Exhaust air flow (high)	559	533	506	480	454	427	401	374	348	322	295	269	243

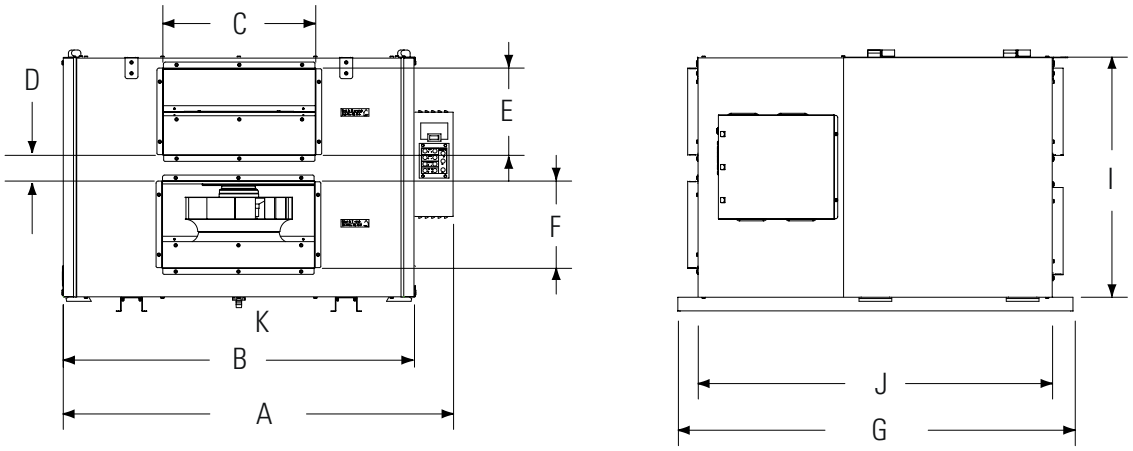
Energy performance

	Supply temperature	Net Airflow	Sensible recovery efficiency	Latent recovery efficiency	Total recovery efficiency
	°F	cfm	%	%	%
Heating	35	560	67	39	57
	35	420	70	46	62
Cooling	95	560	64	28	42
	95	420	67	34	47

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SER 5504N	120 / 1	660	5.5	533	Side	None	169	04471 8	3,213.00

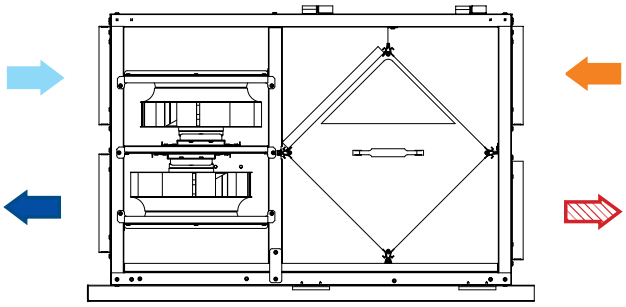
Dimensions



Model	A	B	C	D	E	F	G	J	I
SER 5504N	36 1/3	32 1/5	14	2 2/5	8	8	36 1/3	32 1/2	22

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SER 5504N
- Total assembled weight: 209 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF
- Filters: 4 washable electrostatic filters
- Core: 2 cores each 12" x 12" with a 15" depth

Accessories

Eco-Touch™
Wall Control
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EDF 1
Electronic Control
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RTS 2
Electronic Timer
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RTS 3
Electronic Timer
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MGE
Exhaust Grille
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MGS
Supply Grille
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IR
Iris Damper
page 200

SER 8504N
Light Commercial ERV

The SER Series lowers demand on air conditioning systems. Air supplied from outdoors enters through the energy recovery core where it transfers the heat and moisture the incoming air to the outgoing air that was cooled and dried by the building's air conditioner. The air brought into the working area is cooled and the humidity is reduced for maximum comfort. Reduces the load on an air conditioner to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

Applications include classrooms, retail shops, hair salons, bars and restaurants, offices, clinics, and animal shelters, etc.

- Airflow up to 900 cfm @ 0.4" P_s
- Push-pull configuration
- External low voltage contacts
- No defrost
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

cfm \ in.wg	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s	1.6" P_s
Supply air flow (high)	900	860	821	781	741	702	662	622	583	543	503	464	424
Exhaust air flow (high)	900	860	821	781	741	702	662	622	583	543	503	464	424

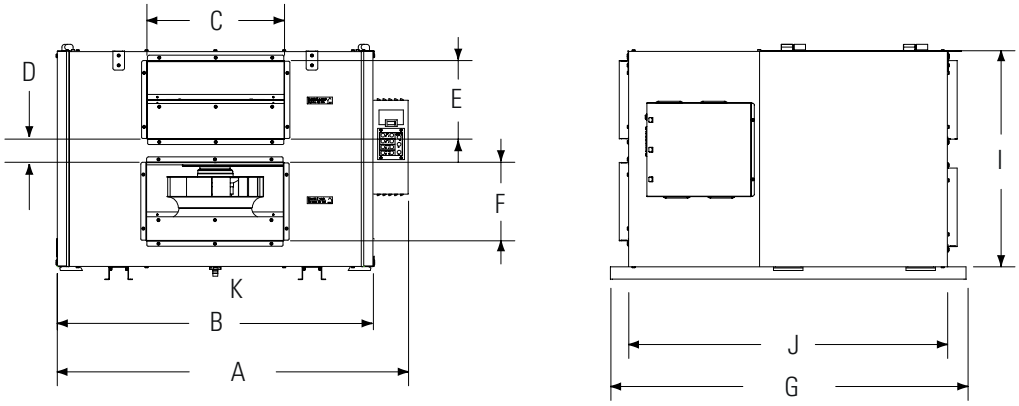
Energy performance

	Supply temperature	Net Airflow	Sensible recovery efficiency	Latent recovery efficiency	Total recovery efficiency
	^{0}F	cfm	%	%	%
Heating	35	560	67	39	57
	35	420	70	46	62
Cooling	95	560	64	28	42
	95	420	67	34	47

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SER 8504N	120	1320	11.0	900	Side	None	256	04481 7	4,620.00

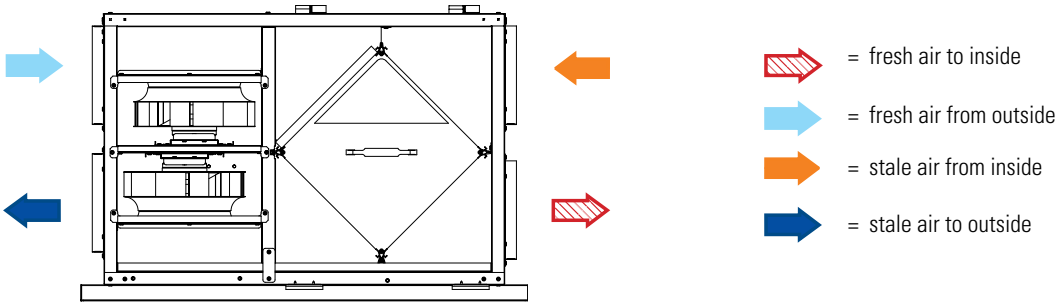
Dimensions



Model	A	B	C	D	E	F	G	J	I
SER 8504N	51 2/5	47 1/5	20	2 2/5	8	8	36 1/3	32 1/2	22

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



Specifications

- Model: SER 8504N
- Total assembled weight: 216 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF.
- Filters: 6 washable electrostatic filters
- Core: 3 cores each 12" x 12" with a 15" depth

Accessories

Eco-Touch™
Wall Control
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EDF 1
Electronic Control
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RTS 2
Electronic Timer
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RTS 3
Electronic Timer
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MGE
Exhaust Grille
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IR
Iris Damper
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SER 11504N
Light Commercial ERV

The SER Series lowers demand on air conditioning systems. Air supplied from outdoors enters through the energy recovery core where it transfers the heat and moisture the incoming air to the outgoing air that was cooled and dried by the building's air conditioner. The air brought into the working area is cooled and the humidity is reduced for maximum comfort. Reduces the load on an air conditioner to save on cooling costs. This unit is designed for warmer, humid climates with longer cooling seasons.

Applications include classrooms, retail shops, hair salons, bars and restaurants, offices, clinics, and animal shelters, etc.

- Airflow up to 1132 cfm @ 0.4" P_s
- Push-push configuration
- External low voltage contacts
- No defrost
- Dual service doors & reversible electrical box
- External three position switch (Low/Standby/Medium)

Maximum continuous airflow

in.wg / cfm	0.3" P_s	0.4" P_s	0.5" P_s	0.6" P_s	0.7" P_s	0.8" P_s	0.9" P_s	1.0" P_s	1.1" P_s	1.2" P_s	1.3" P_s	1.4" P_s	1.5" P_s
Supply air flow (high)	1176	1132	1088	1045	1001	958	914	870	827	783	739	696	652
Exhaust air flow (high)	1176	1132	1088	1045	1001	958	914	870	827	783	739	696	652

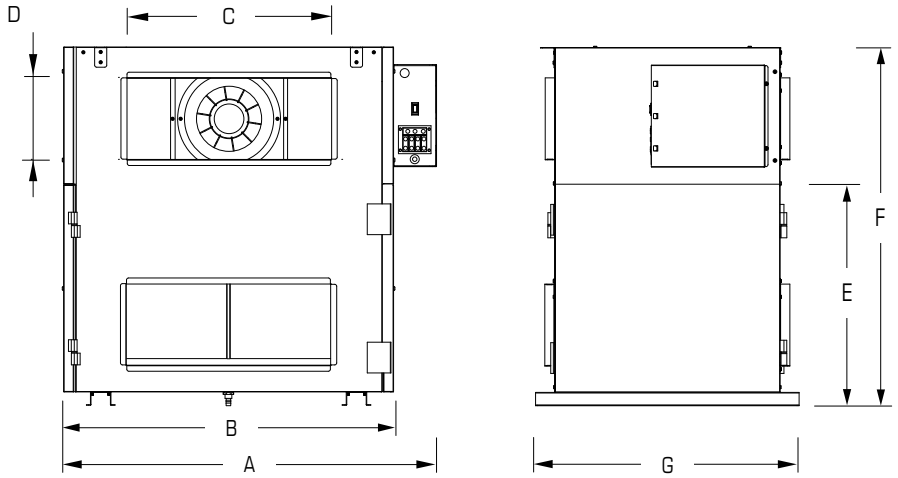
Energy performance

	Supply temperature	Net Airflow	Sensible recovery efficiency	Latent recovery efficiency	Total recovery efficiency
	°F	cfm	%	%	%
Heating	35	1050	61	31	51
	35	788	68	41	55
Cooling	95	1050	58	24	37
	95	788	64	30	43

Specification data

Model	Voltage / phase	Rated power	Max amps	Average airflow @ 0.4" P_s	Connection	Defrost cycle	Shipping weight	UPC #	List price
	V / ~	W	A	cfm			lbs		USD
SER 11504N	120	1272	10.6	1132	Side	None	256	04501 2	4,850.00

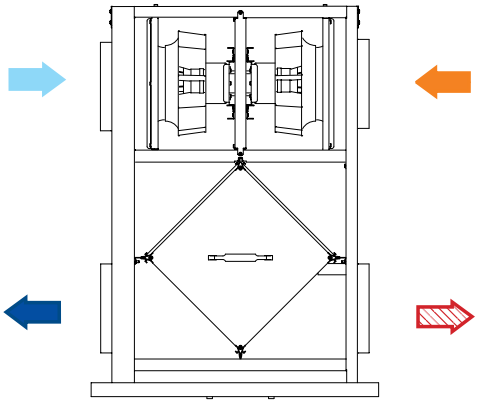
Dimensions



Model	A	B	C	D	E	F	G
SER 11504N	51 2/5	47 1/5	24	8	22	35	25 7/9

Dimensional information is in inches.
* Electrical box can easily be relocated to the field to either the front or the back of the cabinet, depending on port direction installer chooses.

Operation diagram



= fresh air to inside
= fresh air from outside
= stale air from inside
= stale air to outside

Specifications

- Model: SER 11504N
- Total assembled weight: 216 lbs
- Cabinet: 20 ga. steel w/powder coat finish
- Motors: backward curved blades
- Mounting: unit may be suspended by using threaded rod (not supplied) or placed on a platform
- Insulated with 1" aluminum foil-face fiberglass insulation to prevent condensation and meet the requirements of the UL 94HF
- Filters: 6 washable electrostatic filters
- Core: 3 cores each 12" x 12" with a 15" depth

Accessories

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EDF 1
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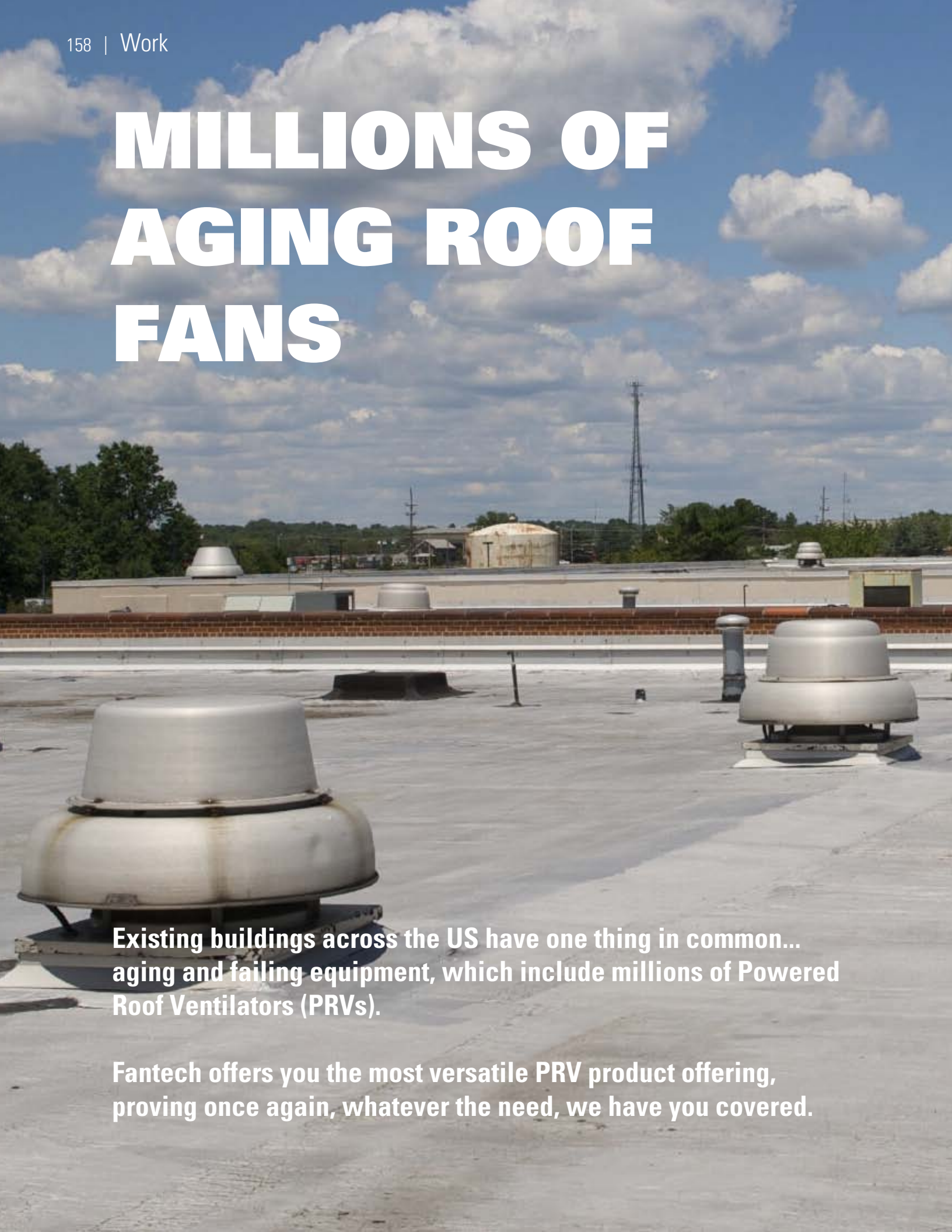
MILLIONS OF AGING ROOF FANS



Existing buildings across the US have one thing in common... aging and failing equipment, which include millions of Powered Roof Ventilators (PRVs).

Fantech offers you the most versatile PRV product offering, proving once again, whatever the need, we have you covered.

WILL NEED TO BE REPLACED

5BDD 15DB-A
Downblast Roof Ventilator
$975.-

$895.-
Upblast Roof Ventilator
5BDU 13DB-A

Contact your local Fantech Distributor for details.

5BDD Series
Belt Drive Downblast Roof Ventilators

Fantech, Inc. certifies that the Belt-Drive Downblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Roof mounted belt drive downblast ventilators are designed to exhaust air out of commercial and industrial buildings. These models are for roof mounting only. Motor and wheel are easily detachable without removing ventilator from curb. Permanently lubricated ball bearings (5BDD10 - 5BDD13) and regreasable pillow block bearings (5BDD15 - 5BDD24).

Welded curb cap corners eliminate water entry into ducts or building. Ball bearing motors and variable pitch drives are packed separately when ordered with ventilators.

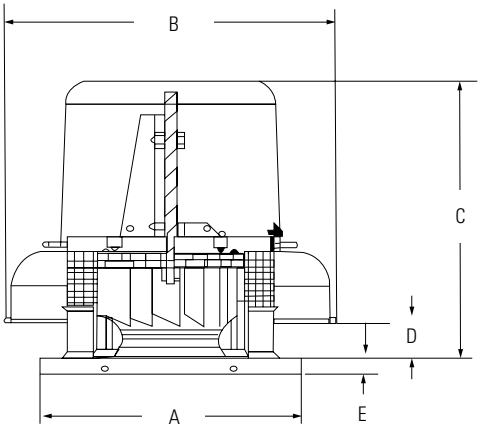
- All ventilators are UL 705 Standard listed
- Durable spun aluminum construction with steel support braces
- Inlet temperatures up to 170°F
- Backward inclined aluminum fan wheel
- Equipped with a built-in bird screen to protect discharge
- Externally cooled motor compartment

Specification data

Model	Rated power	Voltage	RPM	0.0" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	0.875" P_s	1.0" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}	cfm								lbs		USD
				Sones † | BHP #										
5BDD 10BB-A	1/4	120/230	1819	1197 14.2 | 0.22	1104 14.3 | 0.23	1055 13.9 | 0.24	1004 13.4 | 0.24	950 13.4 | 0.25	884 12.7 | 0.25	881 12.3 | 0.25	723 12.1 | 0.25	107	47253 5	700.00
5BDD 12CB-A	1/3	120/230	1566	1611 13.1 | 0.29	1481 12.7 | 0.31	1414 12.7 | 0.32	1339 12.3 | 0.32	1260 11.7 | 0.33	1169 11.0 | 0.33	1074 10.8 | 0.33	966 10.3 | 0.33	120	47255 9	780.00
5BDD 13DB-A	1/2	120/230	1528	2106 18.5 | 0.41	1969 16.8 | 0.44	1901 15.9 | 0.45	1820 14.9 | 0.46	1735 14.7 | 0.47	1645 14.2 | 0.47	1548 13.6 | 0.48	1446 13.3 | 0.48	132	47256 6	845.00
5BDD 15DB-A	1/2	120/230	1301	2587 15.4 | 0.44	2402 15.0 | 0.48	2308 15.0 | 0.48	2190 14.0 | 0.49	2072 14.2 | 0.50	1939 14.0 | 0.50	1804 13.2 | 0.50	1633 13.0 | 0.49	144	47258 0	975.00
5BDD 16EB-A	3/4	120/208-230	1261	3235 17.9 | 0.63	3036 16.8 | 0.67	2936 16.3 | 0.68	2817 16.3 | 0.70	2698 15.4 | 0.71	2579 15.2 | 0.72	2425 14.5 | 0.72	2269 14.5 | 0.72	159	47265 8	1,040.00
5BDD 18FB-A	1	120/208-230	1169	4324 17.5 | 0.86	4075 16.7 | 0.91	3951 16.5 | 0.93	3815 15.9 | 0.96	3667 15.5 | 0.97	3520 15.4 | 0.99	3354 14.7 | 0.99	3179 14.5 | 1.00	197	47270 2	1,170.00
5BDD 20GB-A	1-1/2	120/208-230	1154	5506 23 | 1.27	5222 22 | 1.35	5080 21 | 1.38	4938 20 | 1.41	4787 19.7 | 1.44	4636 19.5 | 1.46	4484 18.6 | 1.48	4308 18.5 | 1.50	228	47276 4	1,300.00
5BDD 24GB-A	1-1/2	120/208-230	832	7121 19.8 | 1.35	6659 19.6 | 1.43	6429 19.0 | 1.46	6148 18.8 | 1.49	5868 18.7 | 1.51	5554 18.4 | 1.52	5212 18.1 | 1.52	4823 17.8 | 1.51	248	47280 1	1,560.00
5BDD 24HX-A (*)	2	208-230/460	916	7839 22 | 1.80	7421 22 | 1.89	7209 22 | 1.93	6984 22 | 1.97	6730 21 | 2.00	6476 21 | 2.02	6199 21 | 2.03	5889	255	47282 5	1,660.00

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen.
Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.
(*) - 3 phase motor

Dimensions



Model	A	B	C	D	E
5BDD 10BB-A	19	25 3/4	22 7/8	3	1 1/2
5BDD 12CB-A	22	28	23 3/8	3	1 1/2
5BDD 13DB-A	22	29 3/4	24 5/8	3 1/4	1 1/2
5BDD 15DB-A	26	31 11/16	27 3/8	3 3/4	1 1/2
5BDD 16EB-A	26	33 11/16	27 3/4	4 3/16	1 1/2
5BDD 18FB-A	30	36	29 5/8	4 3/4	1 1/2
5BDD 20GB-A	30	38 1/4	30 1/4	5 1/4	1 1/2
5BDD 24GB-A	34	44 1/4	33	6 11/16	1 1/2
5BDD 24HX-A	34	44 1/4	33	6 11/16	1 1/2

Dimensional information is in inches.

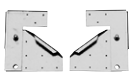
Downblast fans with a "-A" designation indicate fans available as fully assembled. For models with a complete range motor and shell configurations, refer to page 164. These fans are shipped unassembled as Shell, Motor, and Drive Pack separately. Shell comes complete with blower wheel, shaft assembly and motor mount installed. Installation of the motor utilizing drive pack components ranges from 5-10 minutes depending on the skill range of the installer.

Accessories

5ACC.. FS
Flat Roof Curb
page 204

5ACC.. FT
Flat Roof Curb
page 204

5ACC.. RD
Wall Damper
page 205



5ACC.. HK
Hinge Kit Adapter
page 204

5ACC.. MS
Motor disconnect
page 198

5BDD Series
Belt Drive Downblast Roof Ventilators

Fantech, Inc. certifies that the Belt-Drive Downblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

To complete our range of Downblast Roof fans, and allow for maximum quick turn availability, Fantech offers the complete range as 3 easily assembled components. The fans come with a Shell featuring a fully welded curbcap, heavy duty motor supports and machine balanced and mounted blower wheel. Factory pressed bearings complete the shaft and motor mount assembly.

Choosing the right motor is as easy as finding your desired airflow and matching that performance with the corresponding motor size and corresponding drive pack. Alternatively, please refer to our online PRV selection tool on the Fantech website fantech.net

Specification data

Model	Rated power	Voltage	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	0.875" P_s	1.00" P_s	1.25" P_s
	HP	V	min^{-1}	cfm									
				Sones † | BHP #									
5BDD 12	1/4	120/230	1423	1464	1392	1321	1242	1158	1058	950	813	-	-
				12.5 | 0.22	12.3 | 0.23	11.7 | 0.24	11.4 | 0.24	10.9 | 0.25	10.3 | 0.25	10.0 | 0.25	9.2 | 0.25	-	-
5BDD 13	1/4	120/230	1213	1672	1586	1500	1393	1279	1154	1009	-	-	-
				14.0 | 0.21	13.4 | 0.22	12.3 | 0.23	11.1 | 0.23	10.0 | 0.24	9.3 | 0.24	9.3 | 0.24	-	-	-
	1/3	120/230	1335	1840	1762	1684	1595	1498	1390	1277	1145	638	-
				15.7 | 0.28	15.2 | 0.29	14.6 | 0.30	13.8 | 0.31	12.5 | 0.31	11.3 | 0.32	10.8 | 0.32	10.7 | 0.32	9.9 | 0.24	-
5BDD 15	1/4	120/230	1033	2054	1937	1816	1668	1503	1306	518	-	-	-
				11.8 | 0.22	11.5 | 0.23	11.2 | 0.24	10.9 | 0.25	10.7 | 0.25	9.9 | 0.25	8.6 | 0.15	-	-	-
	1/3	120/230	1136	2259	2153	2047	1919	1782	1628	1446	1183	-	-
				13.1 | 0.29	12.9 | 0.30	12.5 | 0.32	12.3 | 0.33	12.1 | 0.33	11.4 | 0.33	11.1 | 0.33	10.5 | 0.32	-	-
	1/2	120/230 208-230/460	1301	2587	2494	2402	2308	2190	2072	1939	1804	1633	-
				15.4 | 0.44	15.4 | 0.45	15.2 | 0.47	15.0 | 0.48	14.0 | 0.49	14.2 | 0.50	14.0 | 0.50	13.2 | 0.50	13.0 | 0.49	-
5BDD 16	1/3	120 / 230	962	2468	2338	2201	2044	1865	1648	1351	-	-	-
				11.8 | 0.28	11.3 | 0.29	10.8 | 0.31	9.9 | 0.32	9.5 | 0.32	8.9 | 0.32	8.5 | 0.31	-	-	-
	1/2	120/230 208-230/460	1100	2825	2711	2597	2467	2330	2177	1999	1790	1491	-
				14.1 | 0.42	13.6 | 0.43	13.4 | 0.45	12.8 | 0.46	12.2 | 0.47	11.7 | 0.48	11.2 | 0.48	11.0 | 0.48	10.2 | 0.46	-
	3/4	120/230 208-230/460	1261	3235	3136	3036	2936	2817	2698	2579	2425	2269	1877
				17.9 | 0.63	16.9 | 0.65	16.8 | 0.67	16.3 | 0.68	16.3 | 0.70	15.4 | 0.71	15.2 | 0.72	14.5 | 0.72	14.5 | 0.72	13.2 | 0.70
5BDD 18	1/3	120 / 230	811	2999	2821	2631	2418	2168	1821	-	-	-	-
				10.3 | 0.29	9.4 | 0.30	9.2 | 0.32	8.7 | 0.33	8.4 | 0.33	8.4 | 0.33	-	-	-	-
	1/2	120/230 208-230/460	928	3432	3276	3120	2939	2754	2533	2264	-	-	-
				13.4 | 0.43	11.3 | 0.45	11.0 | 0.47	10.8 | 0.48	10.4 | 0.49	9.9 | 0.50	9.5 | 0.50	-	-	-
	3/4	120/208-230 208-230/460	1062	3928	3791	3655	3514	3352	3190	3004	2811	2549	-
				14.7 | 0.64	13.9 | 0.67	13.7 | 0.69	13.4 | 0.71	13.3 | 0.73	12.7 | 0.74	12.6 | 0.75	12.0 | 0.75	11.3 | 0.74	-
5BDD 20	1/3	120 / 230	699	3335	3101	2858	2588	2241	-	-	-	-	-
				12.5 | 0.28	10.0 | 0.31	9.3 | 0.32	8.8 | 0.33	8.3 | 0.33	-	-	-	-	-
	1/2	120/208-230 208-230/460	800	3817	3612	3406	3188	2942	2653	2220	-	-	-
				14.7 | 0.42	11.3 | 0.45	11.2 | 0.47	10.6 | 0.49	10.0 | 0.50	9.8 | 0.50	9.4 | 0.48	-	-	-
	3/4	120/208-230 208-230/460	916	4371	4192	4013	3828	3638	3429	3181	2895	2335	-
				15.6 | 0.64	14.8 | 0.67	14.2 | 0.69	13.5 | 0.72	12.9 | 0.75	12.6 | 0.75	12.0 | 0.75	11.9 | 0.75	11.7 | 0.69	-
	1	120/208-230 208-230/460	1008	4810	4647	4484	4322	4149	3976	3786	3560	3325	1186
				18.7 | 0.85	17.7 | 0.88	17.1 | 0.91	16.4 | 0.94	16.0 | 0.96	15.4 | 0.98	14.6 | 1.00	14.5 | 1.00	14.4 | 1.00	13.3 | 0.57

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen. # Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

5BDD Series
Roof Mount Belt Drive Downblast Fans

Fantech, Inc. certifies that the Belt-Drive Downblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specification data (cont.)

Model	Rated power	Voltage	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	1.00" P_s	1.25" P_s	1.50" P_s
	HP	V	min^{-1}	cfm									
				Sones † | BHP #									
5BDD 24	1/3	120 / 230	504	4313	3931	3478	2877	-	-	-	-	-	-
				9.6 | 0.30	9.5 | 0.32	9.0 | 0.34	8.5 | 0.34	-	-	-	-	-	-
	1/2	120/230 208-230/460	577	4938	4605	4233	3795	3253	-	-	-	-	-
				11.8 | 0.45	11.7 | 0.48	11.7 | 0.50	11.0 | 0.51	10.2 | 0.50	-	-	-	-	-
	3/4	120/208-230 208-230/460	660	5649	5358	5059	4707	4309	3844	2837	-	-	-
				15.1 | 0.67	15.1 | 0.71	14.9 | 0.73	14.9 | 0.75	14.2 | 0.76	13.3 | 0.76	12.3 | 0.68	-	-	-
	1	120/208-230 208-230/460	727	6222	5959	5692	5389	5069	4689	4266	-	-	-
				18.0 | 0.90	18.0 | 0.97	18.0 | 0.97	17.9 | 1.00	17.4 | 1.01	17.0 | 1.02	16.0 | 1.01	-	-	-
5BDD 30	1/2	120/208-230 208-230/460	412	6470	5866	5234	4371	-	-	-	-	-	-
				10.7 | 0.44	10.8 | 0.47	10.5 | 0.50	10.0 | 0.50	-	-	-	-	-	-
	3/4	120/208-230 208-230/460	471	7396	6869	6326	5732	4906	-	-	-	-	-
				12.5 | 0.66	12.1 | 0.70	11.8 | 0.73	11.5 | 0.75	11.0 | 0.74	-	-	-	-	-
	1	120/208-230 208-230/460	519	8150	7672	7188	6681	6084	5257	-	-	-	-
				13.5 | 0.89	13.5 | 0.92	13.0 | 0.96	12.7 | 1.00	12.3 | 1.01	11.6 | 0.98	-	-	-	-
	1-1/2	120/208-230 208-230/460	594	9227	8910	8490	8058	7619	7099	6515	-	-	-
				16.1 | 1.33	15.8 | 1.37	15.6 | 1.41	15.0 | 1.46	14.8 | 1.49	12.9 | 1.51	13.9 | 1.50	-	-	-
	2	208-230/460	653	10254	9875	9493	9111	8708	8305	7826	6545	-	-
				17.8 | 1.76	17.8 | 1.81	17.5 | 1.86	16.9 | 1.91	16.7 | 1.96	16.3 | 1.99	15.3 | 2.00	15.1 | 1.95	-	-
	3	208-230/460	748	11746	11416	11082	10749	10414	10062	9711	8907	7855	-
				21 | 2.65	21 | 2.71	21 | 2.76	20 | 2.82	19.9 | 2.87	19.7 | 2.92	19.2 | 2.97	18.1 | 3.01	17.8 | 2.96	-
	5	208-230/460	887	13928	13651	13370	13089	12808	12526	12238	11546	11037	10278
				30 | 4.42	29 | 4.49	30 | 4.55	30 | 4.62	29 | 4.68	28 | 4.74	28 | 4.81	27 | 4.87	25 | 5.01	24 | 5.02
5BDD 36	3/4	120/208-230 208-230/460	339	10032	9207	8221	6803	-	-	-	-	-	-
				11.9 | 0.74	10.3 | 0.78	9.4 | 0.81	8.5 | 0.79	-	-	-	-	-	-
	1	120/208-230 208-230/460	373	11038	10288	9435	8397	6687	-	-	-	-	-
				13.6 | 0.98	12.0 | 1.03	11.0 | 1.07	10.3 | 1.07	10.0 | 1.00	-	-	-	-	-
	1-1/2	120/208-230 208-230/460	427	12636	11981	11302	10495	9541	8114	-	-	-	-
				16.7 | 1.48	14.9 | 1.53	14.1 | 1.58	13.7 | 1.61	12.9 | 1.61	12.8 | 1.55	-	-	-	-
	2	208-230/460	470	13908	13313	12718	12017	11284	10357	9030	-	-	-
				19.5 | 1.97	18.2 | 2.03	17.8 | 2.09	16.8 | 2.13	16.1 | 2.15	15.0 | 2.14	14.9 | 2.07	-	-	-
	3	208-230/460	538	15921	15401	14881	14352	13712	13071	12310	11486	-	-
				24.0 | 2.96	23.0 | 3.03	23 | 3.10	22.0 | 3.15	21 | 3.20	20 | 3.22	19.2 | 3.22	18.0 | 3.19	-	-
	5	208-230/460	637	18850	18411	17972	17533	17094	16563	16023	14861	-	-
				28.0 | 4.90	28.0 | 4.99	29.0 | 5.08	28.0 | 5.15	27.0 | 5.22	27.0 | 5.28	25 | 5.32	23.0 | 5.35	-	-

Performance certified for installation type A: free inlet, free outlet. Performance rating includes the effect of bird screen. # Power rating (BHP) does not include transmission losses.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

5BDD Series

Downblast Roof Ventilator Components

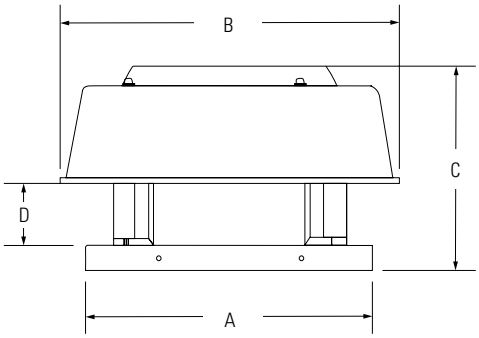
Model	Shell			HP	1 Phase for Fans Less Motor and Drive						3 Phase for Fans Less Motor and Drive					
					Drive Pack			Motor			Drive Pack			Motor		
	UPC #	List Price	Shipping Weight		UPC #	DP ID	List Price	UPC #	Motor ID	List Price	UPC #	DP ID	List Price	UPC #	Motor ID	List Price
		USD	lbs				USD			USD			USD			USD
5BDD10	49810 8	460.00	90	1/4	48992 2	DP-10"-BB	50.00	49907 5	MOT BB	100.00						
5BDD12	49811 5	500.00	100	1/4	48993 9	DP-12"-BB	55.00	49907 5	MOT BB	100.00						
				1/3	48994 6	DP-12"-CB	55.00	49909 9	MOT CB	135.00						
5BDD13	49812 2	560.00	110	1/4	48995 3	DP-13"-BB	57.00	49907 5	MOT BB	100.00						
				1/3	48996 0	DP-13"-CB	57.00	49909 9	MOT CB	135.00						
				1/2	48997 7	DP-13"-DB	57.50	49910 5	MOT DB	137.50	49000 3	DP-13"-DX	57.50	49911 2	MOT DX	164.00
5BDD15	49813 9	600.00	120	1/4	49001 0	DP-15"-BB	62.50	49907 5	MOT BB	100.00						
				1/3	49002 7	DP-15"-CB	62.50	49909 9	MOT CB	135.00						
				1/2	49003 4	DP-15"-DB	62.50	49910 5	MOT DB	137.50	49004 1	DP-15"-DX	62.50	49911 2	MOT DX	164.00
				3/4	49005 8	DP-15"-EB/EX	62.50	49912 9	MOT EB	235.00	49005 8	DP-15"-EB/EX	62.50	49913 6	MOT EX	200.00
				1	49007 2	DP-15"-FB/FX	62.50	49914 3	MOT FB	210.00	49007 2	DP-15"-FB/FX	62.50	49915 0	MOT FX	210.00
5BDD16	49814 6	650.00	130	1/3	49010 2	DP-16"-CB	65.00	49909 9	MOT CB	135.00						
				1/2	49011 9	DP-16"-DB	65.00	49910 5	MOT DB	137.50	49012 6	DP-16"-DX	65.00	49911 2	MOT DX	164.00
				3/4	49013 3	DP-16"-EB/EX	65.00	49912 9	MOT EB	235.00	49013 3	DP-16"-EB/EX	65.00	49913 6	MOT EX	200.00
				1	49015 7	DP-16"-FB/FX	65.00	49914 3	MOT FB	210.00	49015 7	DP-16"-FB/FX	65.00	49915 0	MOT FX	210.00
5BDD18	49815 3	800.00	164	1/3	49017 1	DP-18"-CB	70.00	49909 9	MOT CB	135.00						
				1/2	49018 8	DP-18"-DB	70.00	49910 5	MOT DB	137.50	49019 5	DP-18"-DX	70.00	49911 2	MOT DX	164.00
				3/4	49020 1	DP-18"-EB/EX	70.00	49912 9	MOT EB	235.00	49020 1	DP-18"-EB/EX	70.00	49913 6	MOT EX	200.00
				1	49022 5	DP-18"-FB/FX	70.00	49914 3	MOT FB	210.00	49022 5	DP-18"-FB/FX	70.00	49915 0	MOT FX	210.00
				1-1/2	49024 9	DP-18"-GB	70.00	49916 7	MOT GB	285.00	49025 6	DP-18"-GX	70.00	49917 4	MOT GX	271.00
				2							49026 3	DP-18"-HX	70.00	49918 1	MOT HX	535.00
5BDD20	49816 0	850.00	185	1/3	49027 0	DP-20"-CB	75.00	49909 9	MOT CB	135.00						
				1/2	49028 7	DP-20"-DB	75.00	49910 5	MOT DB	137.50	49029 4	DP-20"-DX	75.00	49911 2	MOT DX	164.00
				3/4	49031 7	DP-20"-EB/EX	75.00	49912 9	MOT EB	235.00	49031 7	DP-20"-EB/EX	75.00	49913 6	MOT EX	200.00
				1	49032 4	DP-20"-FB/FX	75.00	49914 3	MOT FB	210.00	49032 4	DP-20"-FB/FX	75.00	49915 0	MOT FX	210.00
				1-1/2	49036 2	DP-20"-GB/GX	75.00	49916 7	MOT GB	285.00	49036 2	DP-20"-GB/GX	75.00	49917 4	MOT GX	271.00
				2							49038 6	DP-20"-HX	75.00	49918 1	MOT HX	535.00
5BDD24	49817 7	950.00	212	1/3	49039 3	DP-24"-CB	85.00	49909 9	MOT CB	135.00						
				1/2	49040 9	DP-24"-DB	85.00	49910 5	MOT DB	137.50	49041 6	DP-24"-DX	85.00	49911 2	MOT DX	164.00
				3/4	49042 3	DP-24"-EB/EX	85.00	49912 9	MOT EB	235.00	49042 3	DP-24"-EB/EX	85.00	49913 6	MOT EX	200.00
				1	49044 7	DP-24"-FB/FX	85.00	49914 3	MOT FB	210.00	49044 7	DP-24"-FB/FX	85.00	49915 0	MOT FX	210.00
				1-1/2	49046 1	DP-24"-GB/GX	85.00	49916 7	MOT GB	285.00	49046 1	DP-24"-GB/GX	85.00	49917 4	MOT GX	271.00
				2							49051 5	DP-24"-HX	85.00	49918 1	MOT HX	535.00
5BDD30	49818 4	2,450.00	310	1/2	49466 7	DP-30"-DB	100.00	49910 5	MOT DB	137.50	49052 2	DP-30"-DX	100.00	49911 2	MOT DX	164.00
				3/4	49053 9	DP-30"-EB/EX	100.00	49912 9	MOT EB	235.00	49053 9	DP-30"-EB/EX	100.00	49913 6	MOT EX	200.00
				1	49055 3	DP-30"-FB/FX	100.00	49914 3	MOT FB	210.00	49055 3	DP-30"-FB/FX	100.00	49915 0	MOT FX	210.00
				1-1/2	49057 7	DP-30"-GB/GX	100.00	49916 7	MOT GB	285.00	49057 7	DP-30"-GB/GX	10000	49917 4	MOT GX	271.00
				2							49060 7	DP-30"-HX	10000	49918 1	MOT HX	535.00
				3							49061 4	DP-30"-JX	100.00	49919 8	MOT JX	632.00
				5							49062 1	DP-30"-KX	100.00	49920 4	MOT KX	541.00
5BDD36	49819 1	3,750.00	380	3/4	49063 8	DP-36"-EB/EX	115.00	49912 9	MOT EB	235.00	49063 8	DP-36"-EB/EX	115.00	49913 6	MOT EX	200.00
				1	49065 2	DP-36"-FB/FX	115.00	49914 3	MOT FB	210.00	49065 2	DP-36"-FB/FX	115.00	49915 0	MOT FX	210.00
				1-1/2	49067 6	DP-36"GB/GX	115.00	49916 7	MOT GB	285.00	49067 6	DP-36"GB/GX	115.00	49917 4	MOT GX	271.00
				2							49069 0	DP-36"-HX	11500	49918 1	MOT HX	535.00
				3							49070 6	DP-36"-JX	115.00	49919 8	MOT JX	632.00
				5							49072 0	DP-36"-KX	115.00	49920 4	MOT KX	541.00

5ADE Series
Direct Drive Axial Exhaust Roof Fan

Fantech, Inc. certifies that the Direct-Drive Downblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Direct-drive axial roof ventilators are designed for use in applications requiring the steady exhaust of air under low to moderate static pressures. All models are manufactured from durable spun aluminum; venturi, inlet and supports are galvanized. Blades are made from stamped aluminum. Ventilators are wall mountable.

- All ventilators are UL 705 Standard listed
- Inlet temperatures up to 140°F
- Junction box mounted in motor compartment
- Built-in bird screen to protect discharge and ensure safe operation
- Externally cooled motor compartment
- Speed controllable



Dimensions

Model	A	B	C	D
5ADE 102A	19	23 5/8	13 3/8	5 1/2
5ADE 12BA	22	28	15 1/2	6 1/2
5ADE 16EA	26	33 1/4	16 1/2	6 1/8

Dimensional information is in inches.

Accessories

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Flat Roof Curb
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5ACC.. FT
Flat Roof Curb
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5ACC.. RD
Wall Damper
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5ACC.. SC
Speed Control
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5ACC.. MS
Motor disconnect
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Specification data

Model	Rated power	Voltage / phase	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	1.00" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}	cfm								lbs		USD
				Sones † | Max BHP										
5ADE 102A	1/30	120 / 1	1759	547 8.9 | -	423 9.1 | -	269 9.3 | -	191 10.0 | -	- -	- -	- -	- -	94	47242 9	346.00
5ADE 12BA	1/4	120 / 1	1764	1423 10.0 | 0.18	1219 10.5 | 0.18	993 10.8 | 0.18	891 13.0 | 0.18	644 15.3 | 0.18	441 -	225 -	- -	103	47244 6	458.00
5ADE 16EA	3/4	120 / 1	1730	2767 17.9 | 0.49	2571 17.2 | 0.49	2367 16.5 | 0.49	2159 18.0 | 0.49	1958 19.3 | 0.49	1625 21 | 0.49	1377 22 | 0.49	936 26 | 0.49	130	47246 7	670.00

Performance certified is for installation type A: Free Inlet, Free Outlet. Performance ratings include the effects of bird screens. Speed (RPM) shown is nominal, and performance shown is based on actual speed of test.
† The sound ratings are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for Installation Type A, Free Inlet hemispherical sone levels.

5DDD Series

Direct Drive Downblast Roof Ventilator

Fantech, Inc. certifies that the Direct-Drive Downblast Centrifugal Roof Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Direct-drive downblast ventilators are designed for use where steady exhaust ventilation is needed under low to moderate static pressure conditions. Ventilators can be mounted on the roof or wall. All models are equipped with a backward inclined aluminum fan wheel and a speed controllable motor.

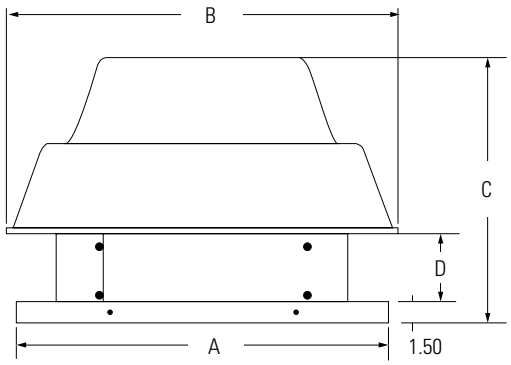
- All ventilators are UL 705 Standard listed
- One-piece removable exhaust hood
- Inlet temperatures up to 170°F
- Backward inclined aluminum fan wheel
- Equipped with a built-in bird screen to protect discharge
- Externally cooled motor compartment

Specification data

Model	Rated power	Voltage / phase	RPM	0.0" P_s	0.125" P_s	0.25" P_s	0.375" P_s	0.50" P_s	0.625" P_s	0.75" P_s	1.00" P_s	Shipping weight	UPC #	List price
	HP	V / ~	min^{-1}	cfm								lbs		USD
				Sones † | BHP #										
5DDD 085A	1/25	120	1661	414 6.8 | -	345 6.0 | -	259 5.9 | -	157 5.4 | -	- -	- -	- -	- -	26	47321 1	275.00
5DDD 106A	1/20	120	1150	645 5.5 | -	484 5.5 | -	309 5.0 | -	- -	- -	- -	- -	- -	94	47322 8	350.00
5DDD 10AA	1/6	120	985	985 9.6 | -	911 9.4 | -	824 9.1 | -	724 8.1 | -	619 7.9 | -	498 7.8 | -	352 -	- -	86	47323 5	400.00
5DDD 12CA	1/3	120	1694	1743 15.6 | 0.35	1670 15.3 | 0.35	1605 14.9 | 0.36	1543 14.6 | 0.36	1475 14.2 | 0.37	1392 13.8 | 0.38	1316 13.6 | 0.39	1137 13.2 | 0.39	101	47325 9	475.00
5DDD 13DB	1/2	120/230	1684	2553 18.2 | 0.44	2477 17.5 | 0.47	2402 17.1 | 0.48	2326 15.6 | 0.49	2245 14.2 | 0.51	2159 13.4 | 0.51	2073 12.7 | 0.56	1866 11.4 | 0.57	115	47327 3	650.00
5DDD 15CA	1/3	120	1124	2160 11.9 | 0.32	2045 11.5 | 0.33	1930 11.1 | 0.34	1792 10.3 | 0.34	1645 9.7 | 0.34	1481 9.1 | 0.34	1255 9.0 | 0.34	- -	132	47329 7	750.00
5DDD 16DB	1/2	120/230	1143	2914 15.9 | 0.45	2787 14.7 | 0.46	2660 14.2 | 0.48	2526 13.4 | 0.49	2389 11.7 | 0.50	2231 10.3 | 0.50	2061 10.3 | 0.50	1493 11.0 | 0.49	142	47330 3	800.00
5DDD 18EB	3/4	120/230	1106	4037 19.8 | 0.75	3902 19.5 | 0.77	3766 19.2 | 0.80	3629 18.8 | 0.82	3476 18.4 | 0.85	3324 18.0 | 0.87	3147 17.8 | 0.89	2765 17.5 | 0.89	157	47331 0	950.00

Performance certified is for installation type A: free inlet, free outlet. Performance rating includes the effects of bird screen. Speed (RPM) shown is nominal, and performance is based on actual speed of test.
† The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

Dimensions



Model	A	B	C	D
5DDD 085A	19	18 7/8	13 1/4	3 1/2
5DDD 106A	19	22 3/8	16 1/2	3 3/8
5DDD 10AA	19	22 3/8	16 1/2	3 3/8
5DDD 12CA	22	24 1/4	17 1/8	4
5DDD 13DB	22	25 5/8	18 1/8	4 3/8
5DDD 15CA	26	27 7/8	18 1/2	4 3/8
5DDD 16DB	26	29 3/4	20 1/4	4 3/4
5DDD 18EB	30	31 5/8	21 3/8	5 5/8

Dimensional information is in inches.

See Upblast Roof Ventilators on pages 24-33

Accessories

5ACC.. FS
Flat Roof Curb
page 204

5ACC.. FT
Flat Roof Curb
page 204

5ACC.. RD
Wall Damper
page 205

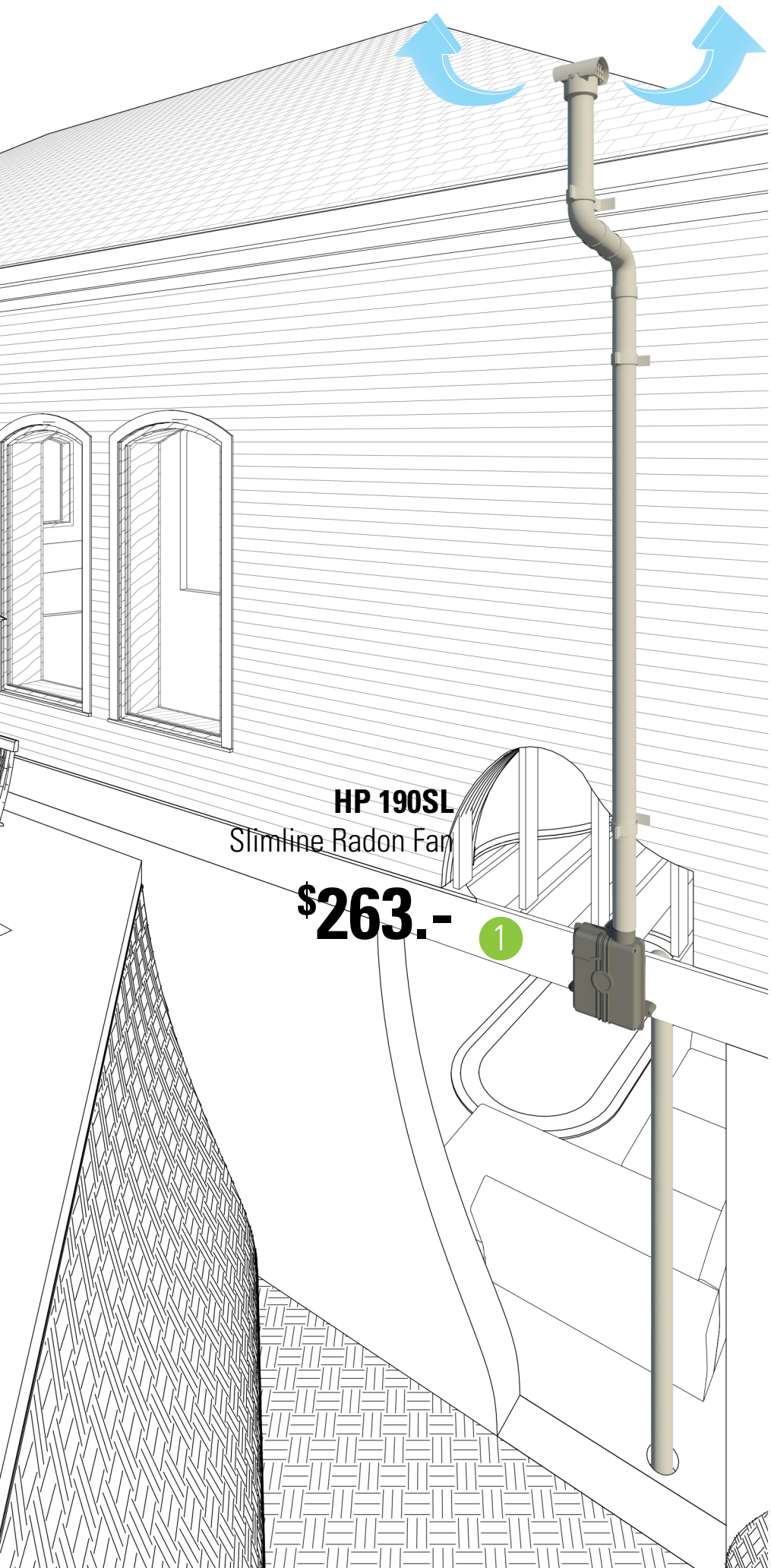
1ACC.. SC
Speed Control
page 198

5ACC.. MS
Motor disconnect
page 198

Radon is a health hazard with a simple solution.

Family home

with a radon fan



Radon is everywhere! You can't see radon and you can't smell it or taste it. But it may be a problem in your home. According to the EPA radon is estimated to cause 21,000 lung cancer deaths per year!

Radon comes from the natural (radioactive) breakdown of uranium in soil, rock and water and get's into the air you breathe. Radon is all over the US in every type of building, however you and your family are most likely to get your greatest exposure at home, where you spend most of your time.

Testing is the only way to know if you and your family are at risk. Testing is easy and inexpensive; most hardware stores carry Radon Test Kits. The EPA recommends that you mitigate your home if the radon level is above 4 Picocuries per liter (4pCi/L).

The good news is that reducing the levels is not hard but requires the technical knowledge of a qualified mitigator. Check with your state Radon office for names of qualified or state certified radon contractors in your area.

For over 30 years Fantech a leader in the ventilation industry have been providing Radon mitigation fans for family homes. You can trust Fantech to provide a ventilation solution for your Radon problem.

1. HP 190SL / $263.-
Radon Fan
115V, 160 cfm, 80W, 0.78A, max P_s=2.15"
Duct diameter (inlet/outlet): 4"

Fan and discharge pipe are located on surface of exterior wall eliminating need for elbows. Fan connects directly to low pressure pipe opening on exterior wall. See pages 172-175.

HP Series
Slimline Radon Fans

Don't put your reputation at stake by installing a fan you know won't perform like a Fantech! For over 30 years, Fantech has manufactured quality ventilation equipment for Radon Applications. Fantech is the fan Radon contractors have turned to in over 1,000,000 successful Radon installations worldwide.

HP190SL

This radon fan is engineered specifically for the demanding environments of radon mitigation applications. Low profile, wall-mount design minimizes installation time. Fan and discharge pipe are located on surface of exterior wall eliminating need for elbows. Fan connects directly to low pressure pipe opening on exterior wall.

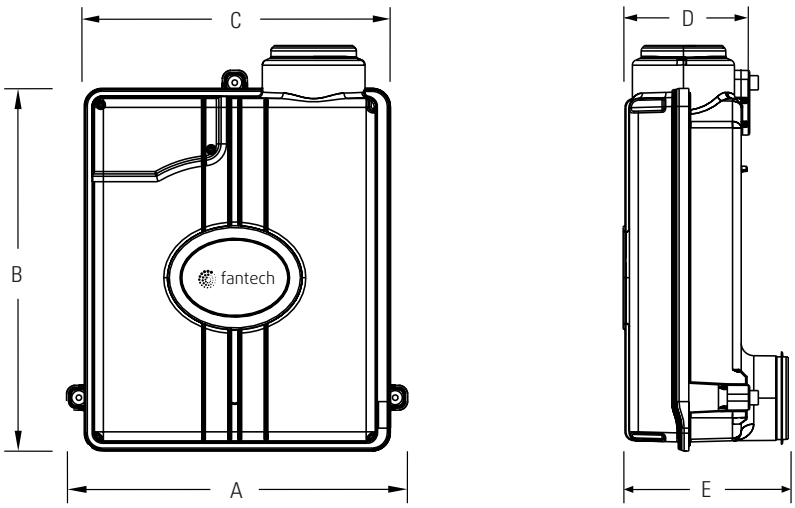
- Constructed from durable, UV resistant polycarbonate
- Factory sealed, no leak design
- Integral condensate bypass
- Direct wall-mount with integral vibration isolation
- Cabinet is paintable to match external décor. And includes masking seal for non-paintable logo medallion

Specification data

Model	Rated power	Voltage / phase	Max. amps	0.0" P_s	0.5" P_s	0.75" P_s	1.0" P_s	1.25" P_s	1.5" P_s	1.75" P_s	2.0" P_s	Max P_s	Shipping weight	UPC #	List price
	W	V / ~	A	cfm								in.wg	lbs		USD
HP 190SL	88	120 / 1	0.78	158	133	117	103	90	76	57	27	2.14	12	40564 9	263.00

The performance curves shown in this brochure are representative of the actual test results recorded at Texas Engineering Experiment Station/Energy Systems Lab, a recognized testing authority for HVI. Testing was done in accordance with AMCA Standard 210-85 and HVI 916 Test Procedures.

Dimensions



Model	A	B	C	D	E
HP 190 SL	14 15/16	15 7/8	13 7/8	5 1/16	7 1/8

Dimensional information is in inches.

HP Series
Inline Radon Fans

HP Series fans are specially designed with higher pressure capabilities for radon mitigation applications.

HP175
The economical choice where slightly less air flow is needed. Often used where there is good sub slab communication and lower Radon levels.

HP190 and HP2190. The standard for Radon Mitigation.
Ideally tailored performance curve for a vast majority of your mitigations.

HP220
Excellent choice for systems with elevated radon levels, poor communication, multiple suction points and large subslab footprint

HP2133
For applications where lower pressure and flow are needed. Record low power consumption of 14-20 W! Often used where there is good sub slab communication and lower Radon levels.

- UV resistant, UL Listed durable plastic
- UL Listed for use in commercial applications
- Watertight electrical terminal box
- Totally enclosed for protection
- Automatic reset thermal overload protection

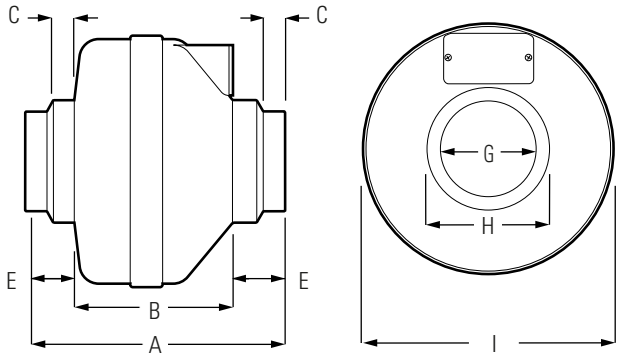
NOTE:
Installations that will result in condensate forming in the outlet ducting should have a condensate bypass installed to route the condensate outside of the fan housing. Conditions that are likely to produce condensate include but are not limited to: outdoor installations in cold climates, long lengths of outlet ducting, high moisture content in soil and thin wall or aluminum outlet ducting. Failure to install a proper condensate bypass may void any warranty claims.

Specification data

Model	Rated power	Voltage / phase	Max. amps	0.0" P_s	0.5" P_s	0.75" P_s	1.0" P_s	1.25" P_s	1.5" P_s	1.75" P_s	2.0" P_s	Max P_s	Shipping weight	UPC #	List price
	W	V / ~	A	cfm								in.wg	lbs		USD
HP 175	65	120 / 1	0.57	151	112	91	70	40	12	-	-	1.66	1	02175 7	172.00
HP 190	85	120 / 1	0.78	157	123	106	89	67	45	18	1	2.01	7	02090 3	179.00
HP 220	152	120 / 1	1.30	344	260	226	193	166	137	102	58	2.46	8	02220 4	251.00
HP 2133	20	120 / 1	0.17	134	68	19	-	-	-	-	-	0.84	1	02133 7	165.00
HP 2190	85	120 / 1	0.78	163	126	104	81	58	35	15	-	1.93	3	02191 7	179.00

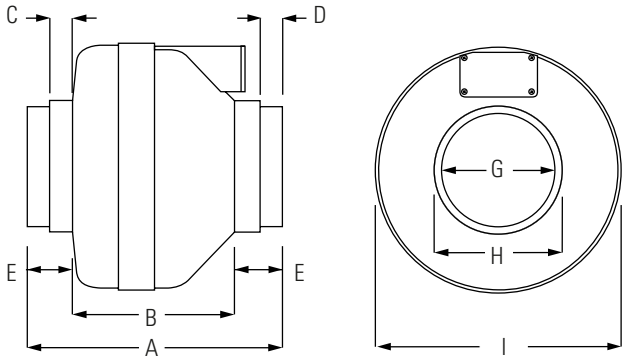
The performance curves shown in this brochure are representative of the actual test results recorded at Texas Engineering Experiment Station/Energy Systems Lab, a recognized testing authority for HVI. Testing was done in accordance with AMCA Standard 210-85 and HVI 916 Test Procedures.

Dimensions



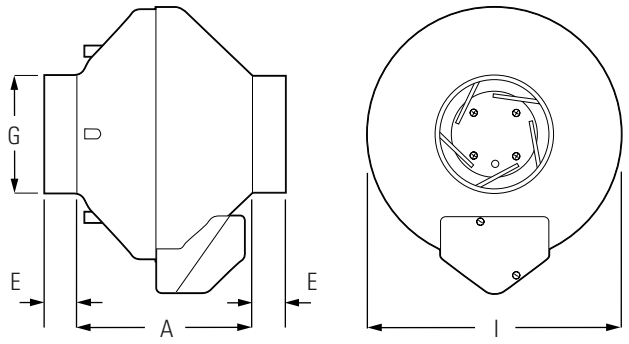
Model	A	B	C	E	G	H	I
HP 175 & HP 190	10 1/8	6 1/8	7/8	2	3 7/8	4 3/4	9 3/4

Dimensional information is in inches.



Model	A	B	C	D	E	G	H	I
HP 220	9 3/8	5 7/8	1	7/8	1 7/8	5 7/8	6 1/4	11 3/4

Dimensional information is in inches.



Model	A	E	G	I
HP 2133 & HP 2190	6 5/8	1 1/4	4 1/2	9 3/8

Dimensional information is in inches.

Fresh and clean... even when it isn't laundry time.


PEACE

A Residential Laundry

with a washer and a dryer

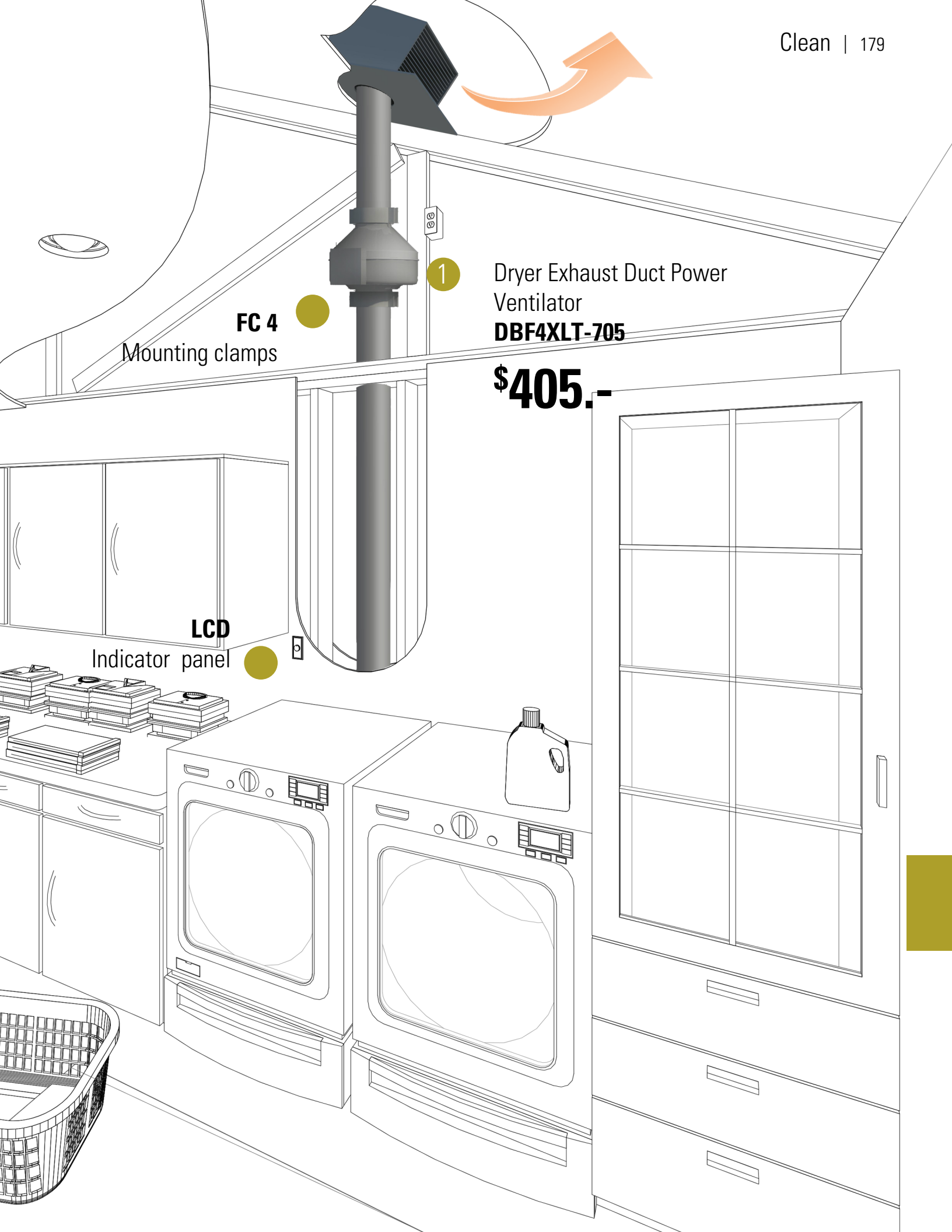
Fantech inline Dryer Exhaust Duct Power Ventilators (DEDPV), (previously known as Dryer Boosters) are specially designed to solve problems caused by long duct runs on clothes dryers. Long duct runs with multiple elbows can cause extended drying time as well as lint and moisture build up in the duct. Lint build up is a common cause of dryer fires.

How do they work?

When the dryer starts, Fantech's patented pressure sensing switch automatically turns on the DEDPV, which moves the warm, moist air and lint out of the home. The fan maintains a velocity of 1200 FPM to keep lint airborne and expelled.

1. DBF 4XLT-705 / $405.-
Dryer Exhaust Duct Power Ventilator (DEDPV)
120V, 170 cfm, 83W, 0.73A
max useable cfm @ = 0.78"Ps 105cfm.
Duct diameter (inlet/outlet): 4"

The system includes 2 pair of mounting clamps w/cleanout and a wall mount low voltage LED indicator panel, which features a LED light that indicates to the homeowner that the fan is working properly. The indicator panel will alert homeowners of problems such as no power, blocked duct, locked motor rotor and low speed conditions. A 50 foot control cable is included to connect the indicator panel to the DEDPV. The unit can be used to effectively exhaust a 4 inch dryer duct run up to 130 feet. See page 182


1
Dryer Exhaust Duct Power Ventilator
DBF4XLT-705
$405.-
FC 4
Mounting clamps
LCD
Indicator panel

DBF 4XLT /-705, DBF 4XL, DBF 110

Dryer Booster Fans

The Fantech dryer booster fans have been specially designed to solve the problems caused by long duct runs on clothes dryers. According to dryer manufacturers and some local building codes, booster fans should be added in the dryer duct run when the length of the duct exceeds 24 feet with no bends, 20 feet with one bend or 15 feet with two bends.

When the dryer is on, Fantech's patented pressure sensing switch automatically turns the booster fan on. The warm, moist air in the dryer duct is exhausted out of the building quickly. The dryer booster fan monitors the status of the dryer and will turn itself off when the dryer stops. Wall mounted indicator panel with LED display lets homeowners know that fan is fully operational.

The **DBF 4XLT-705** is the only UL-705 DEDPV supplement approved* dryer booster available in the market today. It features an upgraded pressure sensing circuit, LED indicator display panel, temperature limit switch, short duct junctions, and (4) 4" fast clamps for easy installation and maintenance. If UL approval is a concern, accept no substitutes.

DBF 4XL and **DBF 4XLT** are the newest dryer booster fans with galvanized steel housing. Backward inclined blades of the motorized impeller allow lint to pass through the fan. The unit can be used to effectively boost dryer exhaust in duct runs up to 130 feet.

The **DBF 110** dryer booster is engineered of thermoplastic resin and features an integrated automatic pressure switch. It can be used on dryer duct runs up to 108 feet. The fan's backward inclined blades allow lint to pass through the fan. The fan can be mounted in any angle at any point along the duct work and straight-through air flow design allows easy installation.

- The fans can be mounted in any angle at any point along the duct work
- LED light on wall panel lets homeowners know fan is working properly

NEW

Dryer Exhaust Duct Power Ventilator (DEDPV)
DBF 4XLT-705

DBF 4XLT

DBF 4XL

DBF 110

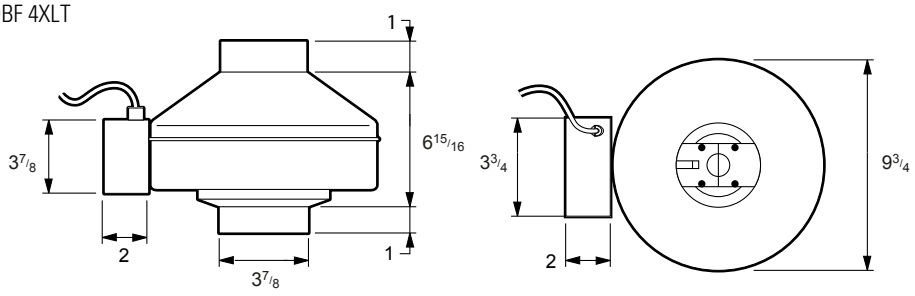
Specification data

Model	Duct size	Rated power	Voltage / phase	Max. amps	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s	Shipping weight	UPC #	List price
	inch	W	V / ~	A	cfm						lbs		USD
DBF 4XLT-705	4	83	120 / 1	0.73	170	150	134	119	103	86	10	46005 1	405.00
DBF 4XLT	4	83	120 / 1	0.73	170	150	134	119	103	86	10	12540 0	318.00
DBF 4XL	4	83	120 / 1	0.73	170	150	134	119	103	86	10	12040 5	250.00
DBF 110	4	80	120 / 1	0.72	167	150	133	113	88	63	9	12110 5	250.00

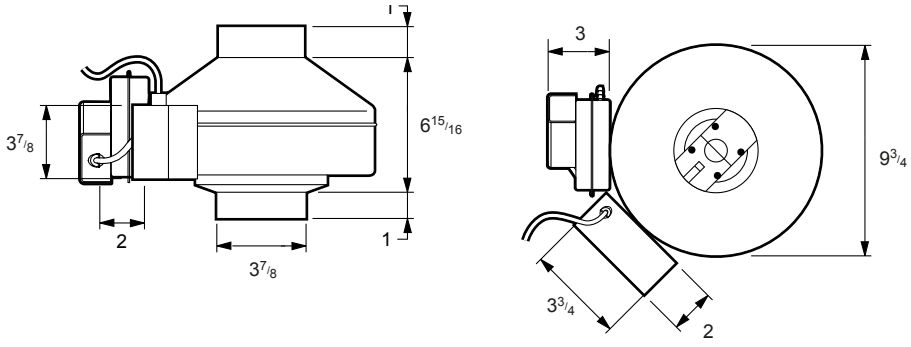
Per HVI`S Certified rating program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at 0.2 inches WG.
* approved for use with Electric dryers only. UL exclusive as of the date of this printing.

Dimensions

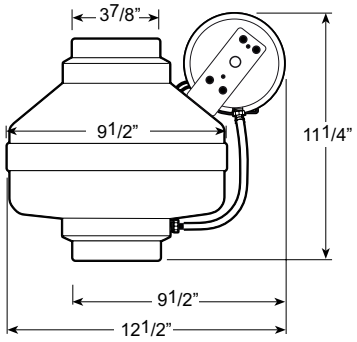
DBF 4XLT



DBF 4XL



DBF 110



Dimensional information is in inches.

Accessories

FC
Mounting Clamp
page 202

DBLT4W
Lint Trap
page 202

MORE THAN JUST A DRYER BOOSTER FAN..

The DBF4XLT-705 Dryer Exhaust Duct Power Ventilator boosts dryer exhaust in duct runs up to 130 feet and meets the new UL requirements.

All fans are equipped with an upgraded pressure sensing circuit, LED indicator display panel, temperature limit switch, and fast clamps for easy installation and maintenance.

IT IS UL APPROVED

NEW

DBF 4XLT-705

Dryer Exhaust Duct Power Ventilator (DEDPV)

$405.-

In every public restroom, your nose knows.


RESTROOMS

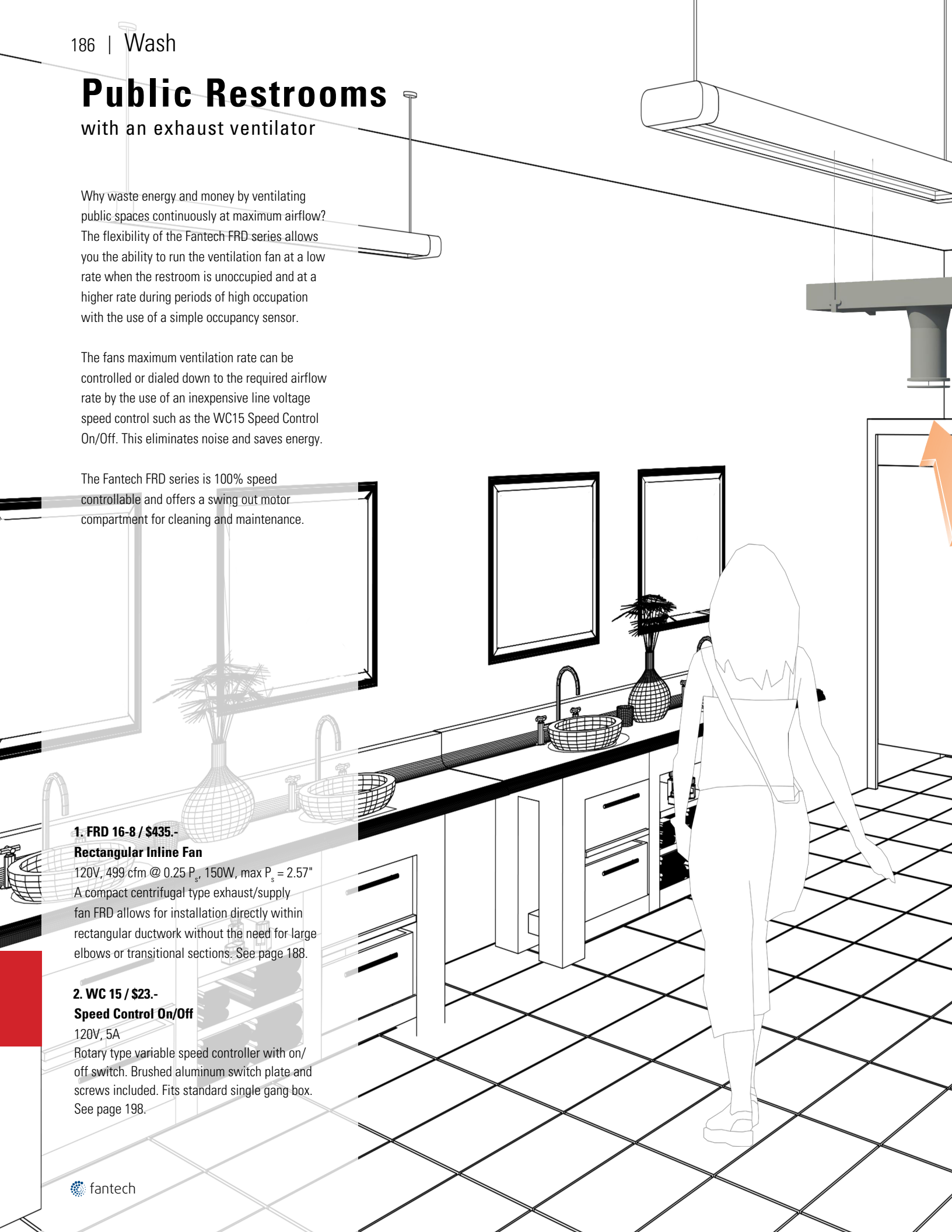
Public Restrooms

with an exhaust ventilator

Why waste energy and money by ventilating public spaces continuously at maximum airflow? The flexibility of the Fantech FRD series allows you the ability to run the ventilation fan at a low rate when the restroom is unoccupied and at a higher rate during periods of high occupation with the use of a simple occupancy sensor.

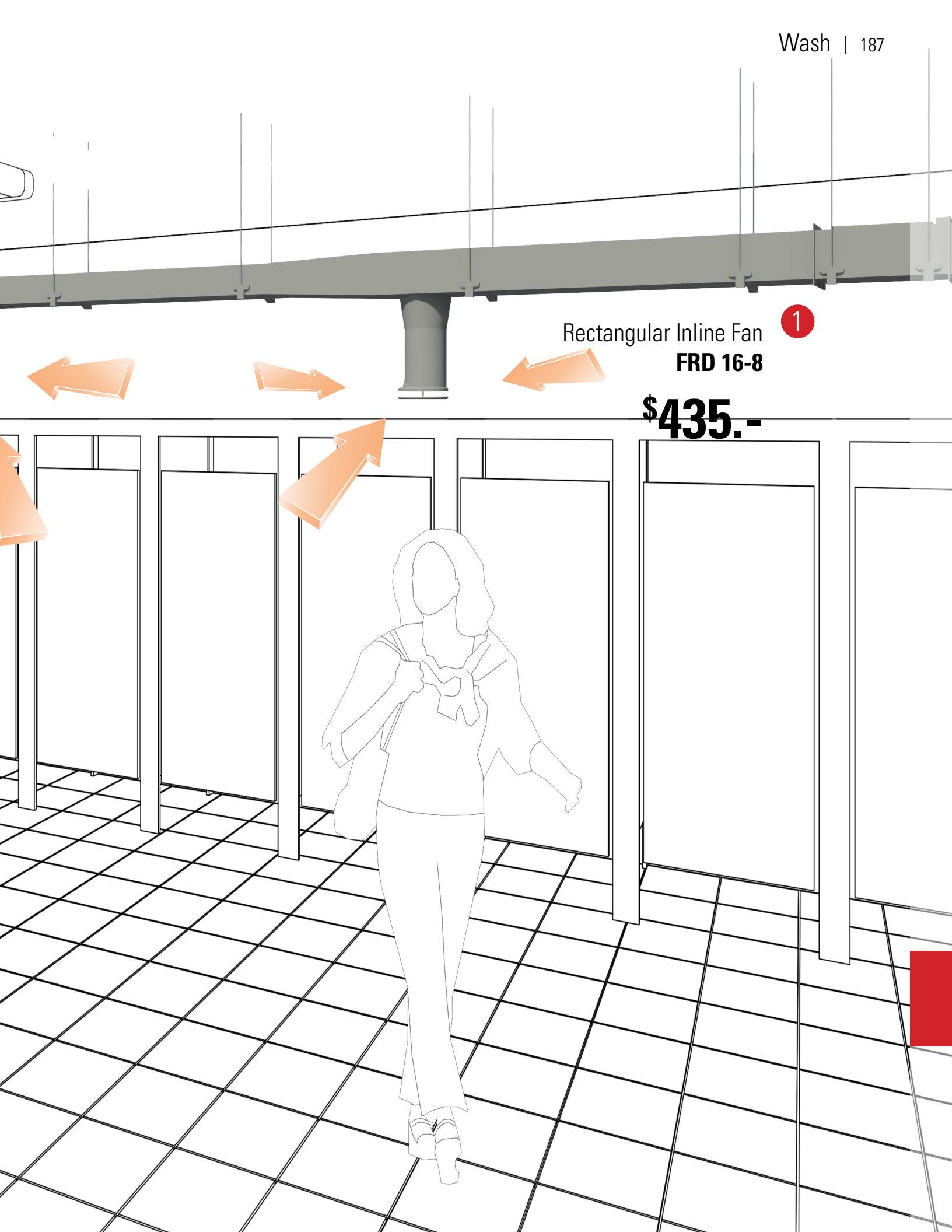
The fans maximum ventilation rate can be controlled or dialed down to the required airflow rate by the use of an inexpensive line voltage speed control such as the WC15 Speed Control On/Off. This eliminates noise and saves energy.

The Fantech FRD series is 100% speed controllable and offers a swing out motor compartment for cleaning and maintenance.



1. FRD 16-8 / $435.-
Rectangular Inline Fan
120V, 499 cfm @ 0.25 P_s, 150W, max P_s = 2.57"
A compact centrifugal type exhaust/supply fan FRD allows for installation directly within rectangular ductwork without the need for large elbows or transitional sections. See page 188.

2. WC 15 / $23.-
Speed Control On/Off
120V, 5A
Rotary type variable speed controller with on/off switch. Brushed aluminum switch plate and screws included. Fits standard single gang box. See page 198.



1

Rectangular Inline Fan
FRD 16-8

$435.-

FRD Series
Inline Mixed Flow Rectangular Fans

Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

The FRD Series centrifugal type exhaust/supply fans are specifically designed for large ventilation needs where space is at a premium, such as hospitals, schools, or office buildings. System balancing is easy - a simple speed adjustment equalizes all vents to compensate for hot or cold spots.

The compact housing design of the FRD Series allows for installation directly within rectangular ductwork (ranging from 12"x 6" ducts to 24"x 14" ducts), without the need for large elbows or transitional sections. FRD Series fans are simple to install; no extra materials are required. Simply mount the fan at any angle in any point in the ductwork. The motor is mounted on a hinged door – just swing the door out for easy access to the motor and wiring connections.

- Hinged door for service access
- Airflow up to 2318 cfm
- Terminal box with prewired electrical strip
- 100% speed controllable
- Airstream temperatures of up to 140° F

Specification data

Model	Rated power	Voltage / phase	RPM	Max. apms	0.0" P_s	.25" P_s	.50" P_s	.75" P_s	1.0" P_s	1.5" P_s	2.0" P_s	Max P_s	Sones[†]	Shipping weight	UPC #	List price
	W	V / ~	min^{-1}	A	cfm							in.wg		lbs		USD
FRD 12-6	84	120 / 1	2550	0.74[1]	309	262	214	171	133	75	-	2.01	8.0	17	39126 3	315.00
FRD 16-8	150	120 / 1	2950	1.30[1]	560	499	434	368	300	191	119	2.57	13.0	30	39168 3	435.00
FRD 16-8XL	264	120 / 1	2800	2.32[1]	658	599	535	471	406	290	196	3.44	13.1 [‡]	30	39169 0	510.00
FRD 20-10	191	120 / 1	1650	1.68[1]	1013	915	814	724	617	225	-	1.84	16.7	43	39201 7	782.00
FRD 24-14	597	120 / 1	1650	5.18[2]	2318	2149	1939	1752	1527	1090	377	2.16	18.2 [‡]	86	39244 4	1,399.00

Model	Rated power	Voltage / phase	RPM	Max. apms	0.0" P_s	.25" P_s	.50" P_s	.75" P_s	1.0" P_s	1.5" P_s	2.0" P_s	Max P_s	Sones[†]	Shipping weight	UPC #	List price
	W	V / ~	min^{-1}	A	cfm							in.wg		lbs		USD
FRD 12-6-230	81	230 / 1	2700	0.35[1]	275	240	210	180	143	83	-	1.6	10.9	17	40449 9	378.00
FRD 16-8-230	225	230 / 1	3050	0.61[1]	585	535	475	410	345	222	135	2.3	14.7	30	40590 8	497.00
FRD 16-8XL-230	176	230 / 1	2880	0.91[1]	553	518	478	438	416	336	261	2.5	15.6	30	45307 7	556.00
FRD 20-10-230	198	230 / 1	1680	0.86[1]	964	851	730	617	485	166	-	1.5	16.0	43	44002 1	853.00
FRD 24-14-230	810	230 / 1	1600	3.60[1]	2122	1985	1864	1679	1512	1109	588	2	20.6	86	44003 9	1,679.00

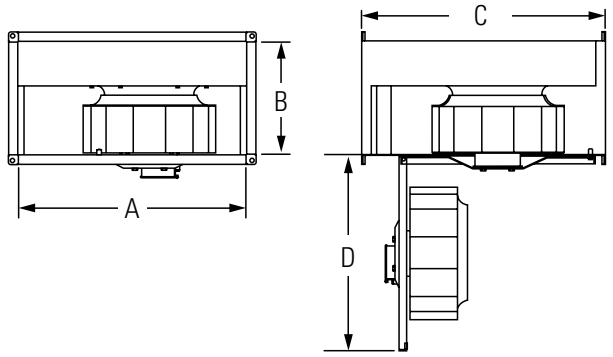
Performance certified is for installation type D - ducted inlet, ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

[†] The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical fan sone levels. All sone values are calculated at 0.5" (static pressure in inches W.G.).

[‡] Sone Value at 0.75" (static pressure in inches W.G.).

[1] Recommended speed control rating 5A [2] Recommended speed control rating 10A

Dimensions



Model	A	B	C	D
FRD 12-6	11 7/8	5 7/8	15 3/4	11
FRD 16-8	15 3/4	7 3/4	19 3/4	15
FRD 16-8XL	15 3/4	7 3/4	19 3/4	15
FRD 20-10	19 5/8	9 3/4	20 3/8	18
FRD 24-14	23 5/8	13 3/4	28 1/2	20

Dimensional information is in inches.
Note: Flanges extend 7/8 beyond the A dimension.

Accessories

WC 15
Speed Control
page 198

RPE
Speed Control
page 198

FSD Series
Inline Mixed Flow Square Fans

Fantech, Inc. certify that the Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCACertified Ratings Program.

The FSD Series is a mixed flow centrifugal type exhaust/supply fans for moderate size ventilation applications were specifically designed to provide the high flow of axial designs plus the higher pressure, non-overloading characteristics of backward curved impellers. Motor bearings are a permanently sealed, self-lubricating ball type.

The square design provides a larger discharge area than tubular centrifugal or vane axial fans, so outlet velocitites are reduced for quieter operation.

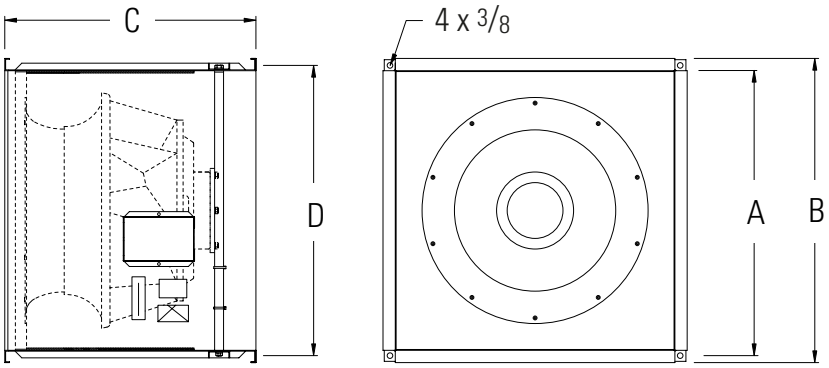
- Airflow up to 6993 cfm
- Lightweight square design provides a larger discharge area and quieter operation
- Mixed flow impeller design incorporates high flow with higher pressure, non-overloading characteristics and automatic reset thermal overload protection
- 100% speed controllable
- Airstream temperatures of up to 140° F

Specification data

Model	Rated power	Voltage / phase	RPM	Max. apms	0.0" P_s	.25" P_s	.50" P_s	.75" P_s	1.0" P_s	1.5" P_s	2.0" P_s	Sones†	Shipping weight	UPC #	List price
	W	V / ~	min^{-1}	A	cfm								lbs		USD
FSD 18	517	120 / 1	1700	4.80[2]	2463	2237	1987	1644	1180	-	-	12.4	65	13180 7	932.00
FSD 20	753	120 / 1	1600	6.36[2]	3225	2921	2605	2241	1829	815	-	14.1	81	13200 2	1,498.00
FSD 22	1554	120 / 1	1600	15.00[3]	5223	4918	4605	4282	3865	2716	1308	21.0	111	13220 0	2,095.00
FSD 26	2328	460 / 3	1700	3.82[2]	6993	6644	6317	5981	5608	4681	3469	27.0 ‡	134	13260 6	2,715.00

Performance certified is for installation type A - Free inlet, free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). Note: Three phase motors are wound for 230/460 volt. Motors are prewired for 460 volts but may be delivered as 230 volt or may be rewired in the field.
† The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical fan sone levels. All sone values are calculated at 0.5" (static pressure in inches W.G.).
‡ Sone Value at 0.75" (static pressure in inches W.G.).
[2] Recommended speed control rating 10A [3] Recommended speed control rating 15A

Dimensions



Model	A	B
FSD 18	17 5/8	15 3/4
FSD 20	19 3/4	17 3/4
FSD 22	21 1/2	19
FSD 26	26	20

Dimensional information is in inches.
Note: Flanges extend 7/8 beyond the A dimension.

See more Mixed Flow Fans on pages 112-115

Accessories

WC 15
Speed Control
page 198

RPE
Speed Control
page 198

CEV Series
Ceiling Exhaust Fans

Fantech, Inc. certify that the Ceiling/Wall Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

The CEV units are exhaust fans designed for bathroom and other applications. Simple installation and dependability make this odor- and moisture-removing fan a real value.

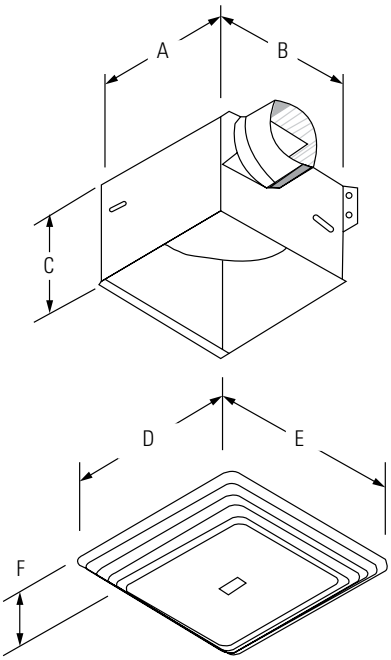
- All ventilators are UL Standard 705 listed
- Impact-resistant, balanced centrifugal blower wheel ensures consistent performance
- Eight-way adjustable mounting brackets permit installation flexibility
- White plastic grille blends well with any decor
- Torsion spring grille mounting - no tools required
- Integrated back draft damper

Specification data

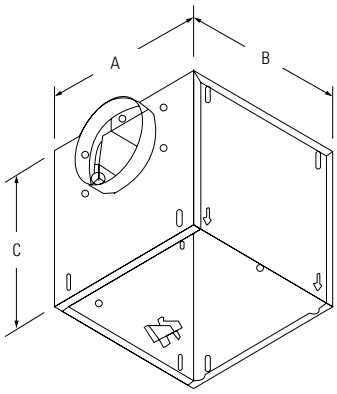
Model	Rated power	Voltage / phase	RPM @ 0.125"	Max amps @ 60 Hz	0.0" P_s	0.25" P_s	0.375" P_s	0.5" P_s	0.625" P_s	0.75" P_s	1.0" P_s	Shipping weight	UPS #	List price
	W	V / ~	min^{-1}	A	cfm | Sones							lbs		USD
6CEV 008A	48	120 / 1	1550	-	89 | 3.9	68 | 3.8	36 | 3.9	-	-	-	-	7	47370 9	101.00
6CEV 010A	87	120 / 1	640	1.1	136 | 0.5	93 | 1.3	80 | 1.8	65 | 2.3	44 | 3.0	12 | 3.2	-	23	47371 6	184.00
6CEV 015A	100	120 / 1	710	1.3	181 | 1.3	141 | 2.2	132 | 2.6	124 | 3.1	114 | 3.6	94 | 4.1	-	23	47372 3	184.00
6CEV 020A	127	120 / 1	740	1.8	231 | 1.6	196 | 2.3	186 | 2.9	177 | 3.5	165 | 4.1	144 | 4.9	51 | 5.3	23	47373 0	235.00
6CEV 025A	166	120 / 1	830	2.2	272 | 2.1	250 | 2.9	242 | 3.3	233 | 3.9	218 | 4.4	201 | 4.8	99 | 5.8	24	47880 3	235.00
6CEV 030A	212	120 / 1	935	2.7	312 | 2.8	303 | 3.3	296 | 3.5	287 | 3.9	273 | 4.3	254 | 4.7	125 | 5.6	24	47374 7	253.00
6CEV 040A	146	120 / 1	755	1.4	467 | 2.3	378 | 3.0	335 | 3.5	291 | 4.0	237 | 5.1	170 | 5.5	8 | 5.9	34	47446 1	389.00
6CEV 050A	232	120 / 1	865	2.2	539 | 2.9	481 | 3.4	451 | 4.2	418 | 4.2	367 | 4.8	319 | 5.9	137 | 6.4	34	47545 1	403.00
6CEV 070A	313	120 / 1	985	2.9	708 | 5.2	658 | 5.7	628 | 5.8	597 | 6.1	560 | 6.4	515 | 7.4	312 | 7.6	34	47407 2	466.00
6CEV 150A	468	120 / 1	955	5.0	1578 | 8.6	1438 | 8.1	1371 | 7.5	1285 | 7.0	1198 | 6.7	1103 | 6.2	816 | 5.8	65	47975 6	704.00

Performance ratings include the effects of inlet grill and backdraft damper. Speed (RPM) shown as nominal. Performance is based on actual speed of test. Performance shown for horizontal discharge. Values may vary for vertical discharge. Values shown are for installation type A, free inlet hemispherical sone levels. Performance certified is for installation type A: free inlet, free outlet.

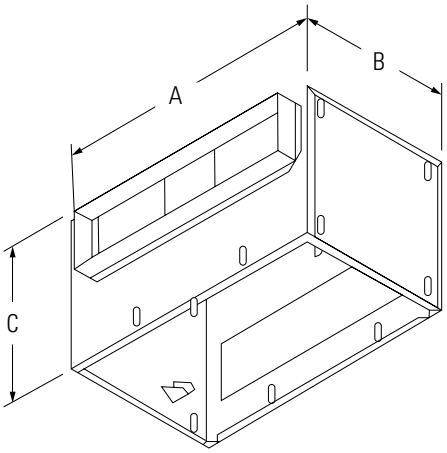
Dimensions



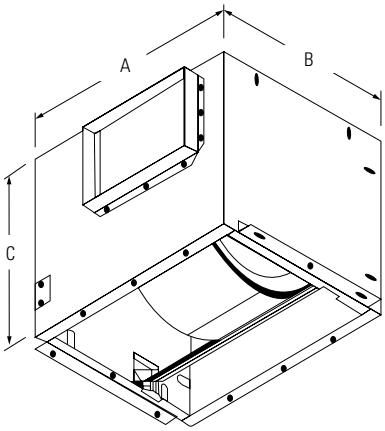
Model	A	B	C	D	E	F	Duct
6CEV 008A	8	8 1/4	5 3/4	10 5/8	11 1/8	1 1/2	4



Model	A	B	C	Duct
6CEV 010A - 030A	12 1/4	12 1/4	11 3/4	6



Model	A	B	C	Duct
6CEV 040A - 070A	21 1/2	12 1/4	11 3/4	4.5 x 18.5



Model	A	B	C	Duct
6CEV 150A	22	18	18	8 x 12

Dimensional information is in inches.

Everything else.. to help you finish the job.

Accessories

PBF 4

Ceiling Grille and Housing with Fluorescent Light

Includes damper, four hanger bars and 14-watt instant-on fluorescent bulb. Fits between 2x6 construction.

Specification Data

Model	Duct Size, inch	Power, W	Weight, lbs	UPC #	List Price, USD
PBF 4	4	14	4	46744 9	133.00

PBH 4

Ceiling Grille and Housing with Dimmable Halogen Light

Includes damper, four hanger bars and 50-watt halogen bulb. Fits between 2x6 construction.

Specification Data

Model	Duct Size, inch	Power, W	Weight, lbs	UPC #	List Price, USD
PBH 4	4	50	4	46742 5	114.00

PBV 4

Ceiling Grille and Housing

Includes damper and four hanger bars. Fits between 2x6 construction.

Specification Data

Model	Duct Size, inch	Power, W	Weight, lbs	UPC #	List Price, USD
PBV 4	4	-	4	46740 1	52.00

PBV 6

Ceiling Grille and Housing

Includes damper and four hanger bars. Fits between 2x8 construction.

Specification Data

Model	Duct Size, inch	Power, W	Weight, lbs	UPC #	List Price, USD
PBV 6	6	-	4	46760 9	66.00

PBB

Replacement Bulbs

PBB14 is a 14-watt compact fluorescent bulb for use in Premium Bath Fans.

PBB 50 is 50-watt halogen bulb for use in Premium Bath Fans.

Specification Data

Model	Voltage, V	Power, W	Weight, lbs	UPC #	List Price, USD
PBB 14	120	14	1	46900 9	14.00
PBB 50	120	50	1	46901 6	11.00

BFRK

Bath Fan Retrofit Kit

Kit includes everything you need to convert your noisy exhaust fan into a quiet, efficient fan you can live with. Includes complete instructions, 110 CFM Energy Star Rated Inline Fan, duct reducers,insulated flex duct, wire and accessories. Use with existing fan housing and grille. Attic access necessary.

Specification Data

Model	Duct Size, inch	Weight, lbs	UPC #	List Price, USD
BFRK 100	4	10	10107 7	187.00

MGS

Metal Supply Grille

This grille has a shielding device for producing a directional distribution pattern and has an adjustable gap grilles. The grille is manufactured from sheet steel with a white powder-coated finish.

- 180^0 distribution pattern
- Easy installation either into the mounting frame or directly onto the duct using its friction springs
- Can be used for exhaust air

Specification Data

Model	Duct Size, inch	Weight, lbs	UPC #	List Price, USD
MGS 4	4	1	68540 9	26.00
MGS 5	5	2	68550 8	27.00
MGS 6	6	2	68560 7	33.00
MGS 8	8	3	68580 5	42.00

MGE

Metal Exhaust Grille

An exhaust diffuser for installation on ceiling or wall. It can also be used for supply air. The diffuser has a lockable central cone which is rotated to adjust the pressure and consequently the air volume.

Manufactured from sheet steel with a white powder- coated finish.

- Can be installed directly onto the duct
- The pressure is adjusted by rotating the valve cone
- Can be used for supply air

Specification Data

Model	Duct Size, inch	Weight, lbs	UPC #	List Price, USD
MGE 4	4	1	68040 4	18.00
MGE 5	5	2	68050 3	21.00
MGE 6	6	2	68060 2	25.00
MGE 8	8	3	68080 0	38.00

DG / DGD

Designer Exhaust Grille

A low profile, fixed circular plastic exhaust grille. Included with the grille is a matching diameter galvanized mounting collar with nailing strip.

Models DG with collar, models DGD with collar and back draft damper.

Specification Data

Model	Duct Size, inch	Weight, lbs	UPC #	List Price, USD
DG 4	4	1	67940 8	12.00
DG 6	6	2	67960 6	14.00
DGD 4	4	2	67945 3	30.00
DGD 6	6	3	67965 1	38.00

CG

Contour Grille

Grilles are manufactured of flame retardant, polypropylene that resist yellowing. White matte finish can be painted to match walls or ceiling.

- Galvanized metal collars
- For supply and exhaust air

Specification Data

Model	Duct Size, inch	Weight, lbs	UPC #	List Price, USD
CG 4	4	1	67240 9	18.00
CG 5	5	1	67250 8	20.00
CG 6	6	2	67260 7	22.00

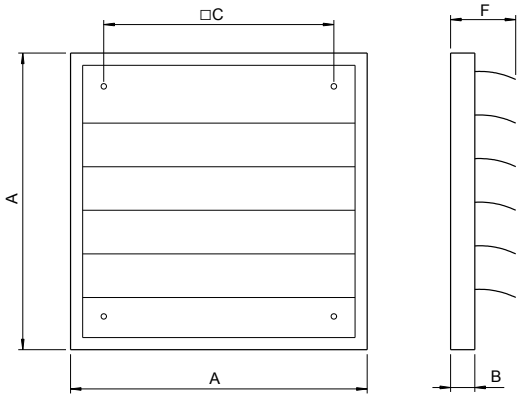
HS

Louvered Shutter

Plastic louvered shutter with duct connection.

- For exhaust air only
- Used with premium bathroom fans or dryer boost exhaust

Dimensions



Model	A	B	C	F	Weight, lbs	UPC #	List Price, USD
HS 4W	6	1 1/4	5 1/2	3 1/4	1	62040 0	12.00
HS 6W	9 1/11	1 1/4	8 9/16	3 1/4	1	62060 8	17.00

Dimensions are in inches

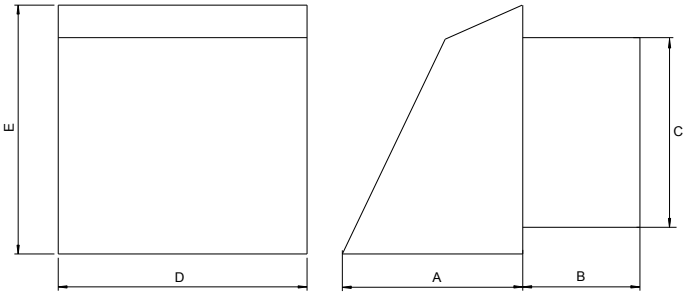
FML

Metal Hoods

A single prepainted aluminum hood for supply and exhaust applications.

- A white powder-coated finish
- Equipped with a bug screen

Dimensions



Model	A	B	C	D	Duct	Weight, lbs	UPC #	List Price, USD
FML 8	5	3 1/2	9	9	8	8	24118 6	45.00
FML 10	6 1/2	3 1/2	11	11	10	9	24120 9	60.00
FML 12	7	3 1/2	13	13	12	10	24122 3	90.00

Dimensions are in inches

FD 60EM

Bathroom Timer

Electronic push button timer. Select from 10, 20, 30 and 60 minute timed operation of fan. Fits standard single gang box. Ideal for multiple switching locations. Switch plate not included.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
FD 60EM	120	20	1	73200 4	62.00

FLD 60

Bathroom Light/Fan Switch

Designed as a replacement for the bathroom fan and light switch. By using a microprocessor to monitor and control fan operation, a precise amount of ventilation can be provided. Allows continuous operation of the fan for up to 1 hour after light switch is turned off.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
FLD 60	120	20	1	73060 4	103.00

VT 20

Programmable Fan Control

The ultimate programmable 20 minute boost timer. Features easy-set slide adjustment for fan speed and run-time per hour. Controls are hidden under cover plate. Use with up to three VT20A (Auxiliary Controls) to allow 20 minute high speed boost in up to four locations.

Specification Data

Model	Voltage, V	Current, A	Boost, min	Weight, lbs	UPC #	List Price, USD
VT 20M	115	2.5	20	1	45386 2	59.00
VT 20A	115	2.5	20	1	45385 5	19.00

SCD

Multipurpose Speed Control

Slide type variable speed controller with on/off switch. White Decora-style switch plate and screws included. Fits standard single gang box.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
SCD 5	115	5	1	56055 3	74.00
SCD 7	115	7.5	1	56055 1	135.00

5ACC..SC

Speed Control

Variable speed controller permits adjustment of air movement from 100% to approximately 50%. Can be used to operate more than one fan, if the combined total amps do not exceed the control rating. This speed control unit is suitable and intended only for use with 5DD, 5DDU, 5ADE and 2VLD ventilator models.

Specification Data

Model	Current, A	Weight, lbs	UPC #	List Price, USD
5ACC03SC	3	0.3	47185 9	23.00
5ACC06SC	6	0.3	47189 7	35.00

RPE

Multipurpose Speed Control

Heavy duty rotary type variable speed controller with on/off switch. Brushed aluminum switch plate and screws included.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
RPE 10	115	10	1	56010 2	59.00
RPE 15	115	15	1	56015 7	80.00
RPE 210	230	10	1	56210 6	65.00

WC 15

Speed Control ON/OFF

Rotary type variable speed controller with on/off switch. Brushed aluminum switch plate and screws included. Fits standard single gang box.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
WC 15	115	5	1	56005 8	23.00

5ACC..MS

Motor Disconnect Switch (NEMA)

Provides manual "On-Off" control of single or three phase AC motors where overload protection is not required or is provided separately.

Specification Data

Model	Voltage, V	Current, A	Poles	Max HP	Weight, lbs	UPC #	List Price, USD
5ACC01MS	115/230/460	30	2	3	1	56055 3	127.00
5ACC02MS	208/230/460	30	3	10	1	56055 1	267.00

MTP 10

NEW

Potentiometer for speed control

MTP 10 complements FG-EC Series.

Specification Data

Model	Voltage	IP Class	Weight, lbs	UPC #	List Price, USD
MTP 10	0-10 V	IP 54	0.5	32731 6	63.00

FH 20

Dehumidistat

Wall mounted dehumidistat. Adjustable between 20% and 80% relative humidity. A white powder-coated finish.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
FH 20	115	7.5	1	73020 8	35.00

ECO-Touch™

Programmable Wall Control

Technologically advanced and feature-rich; the ECO-touch provides contractors and homeowners with a higher level of control over indoor air quality. The MAX mode gives you the extra ventilating power you need to quickly clear the air by taking advantage of the system's powerful fans. During MAX mode, the system exchanges indoor air for outdoor air at maximum speed for a desired period of 20, 40 or 60 minutes.

- Indoor temperature and relative humidity display
- Preferences for desired indoor relative humidity
- LCD backlit touch screen Ventilation movement is displayed on screen
- No battery to replace

Specification Data

Model	Weight, lbs	UPC #	List Price, USD
ECO-Touch	1	44007 7	130.00

EDF

Triple Function Wall Control Timer

An electronic wall control timer is compatible with all Fantech HRV/ERV models (except SH/VH 704). This control activates the system on 3 possible modes of operation: continuous low speed operation (Green), Intermittent 20 minutes on, 40 minutes off (Yellow) and continuous high speed or boost (Red).

Specification Data

Model	Recirculation Cycle	Weight, lbs	UPC #	List Price, USD
EDF 1R	Yes	1	73200 4	47.00
EDF 1	No	1	13465 5	47.00

RTS

Pushbutton Timer

The pushbutton timer is compatible with Fantech SHR, VHR and SER series models. The button activates the system to run in continuous mode for a period of time, it then returns to the predetermined setting. To cancel this operation, simply press the button a second time.

Specification Data

Model	Boost Time, min	Weight, lbs	UPC #	List Price, USD
RTS 2	20	1	13462 4	21.00
RTS 3	20-40-60	1	13464 8	40.00
RTS 5 *	20-40-60	1	44794 6	40.00

* With Flex 100H only

FTD7

7 Day Digital Timer

An electronic 7 day timer with an automatic summer/ winter time settings. Two outlets, 8 on/off programs.

Specification Data

Model	Voltage, V	Current, A	Weight, lbs	UPC #	List Price, USD
FTD 7	115	15	1	73070 3	42.00

MDEH

Low Voltage Dehumidistat

2-wire low voltage dehumidistat control with rotary dial. Just turn the dial to set the humidity level. Multiple units can be used with Fantech HRV's. Install in bathrooms, kitchen or laundry for easy access.

Specification Data

Model	ON/OFF Switc	Weight, lbs	UPC #	List Price, USD
MDEH 1	No	1	13474 7	24.00
MDEH 2	Yes	1	13476 1	50.00

FAT 10

Attic Thermostat

Thermostat for use with attic ventilation systems. Adjustable between 80° and 130° F.

Specification Data

Model	Voltage, V	Current, A	Weight, lbs	UPC #	List Price, USD
FAT 10	115	22	1	29110 5	58.00

AS DS

Door Switch

Electronic detection mechanical switch. It also has two contacts to separately monitor the open/closed status of the door and the status of the lock.

Specification Data

Model	Contact	Weight, lbs	UPC #	List Price, USD
AS DS	Closed / Open	2	29101 3	103.00

AS TS

Thermostat

Two-stage thermostat for heated Air Screens. Switch suitable for 115 or 230 volt supply. 7 amp rating.

Specification Data

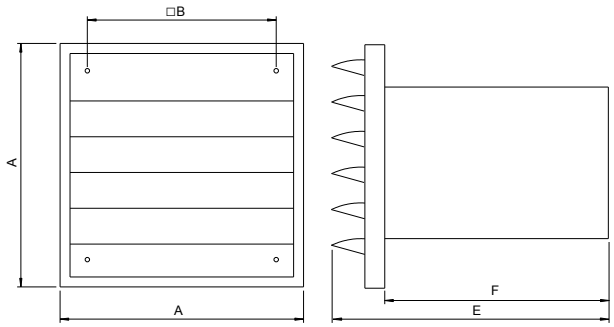
Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
AS TS	115 / 230	7	1	29105 1	61.00

COM

Plastic Supply and Exhaust Hoods

Pair of white plastic hoods (Supply & Exhaust) with metal collars. RAL 9010. Except COM6M, which is all metal construction.

Dimensions



Model	A	B	E*	E**	F	Weight, lbs	UPC #	List Price, USD
COM 4P	9 1/8	8 1/2	12 1/4	11 1/8	10 1/2	5	40369 0	29.00
COM 5P	9 1/8	8 1/2	13 1/2	12 1/2	12	5	23091 3	40.00
COM 6P	9 1/8	8 1/2	13 1/2	12 1/2	12	5	24045 5	45.00
COM 6M	-	-	-	-	-	4	24125 4	78.00

Dimensions are in inches
* Supply duct ** Exhaust duct

FEL 4

Elbow, 4"

Heavy-duty plastic 90° mounting collar/elbow for use in 2×4 stud walls. With half-inch drywall lip already set, just nail in place and connect duct. Low depth profile makes this elbow the perfect solution for sidewall ventilation within a wall partition.

- for a 4-inch duct

Model	øD	Weight, lbs	UPC #	List Price, USD
FEL 4	4	2	64495 6	10.00

Dimensions are in inches

IR

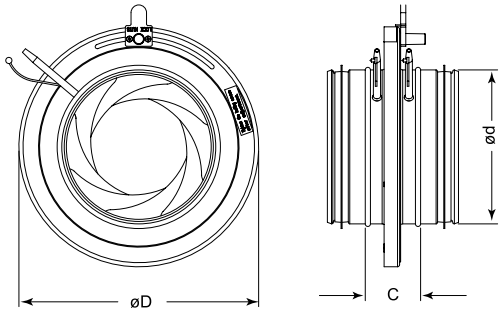
Iris Damper

The IR is an iris damper for measuring and adjusting air flow. Low noise level, centrically formed air flow and fixed test points for precise measurements. The minimum and maximum air flow settings are adjusted with the help of a measuring nipple, and are fixed mechanically with damper stops. The damper is manufactured from galvanized sheet steel and is fitted with a rubber seal tested for air-tightness. The IR enables the taking of precise air flow measurements at all points including points close to duct deviations such as T junctions and bends, and points in front of other supply-air devices (see below).

Protective distance

before bends	1 X ØD
after bends	1 X ØD
before T-pipes	3 X ØD
after T-pipes	1 X ØD
before supply-air devices	3 X ØD

Dimensions



Model	ød	øD	C	Weight, lbs	UPC #	List Price, USD
IR 4	4	6 1/2	2 1/4	2	63040 9	61.00
IR 5	5	8 1/4	2 1/2	3	63050 8	63.00
IR 6	6	9	2	4	63060 7	67.00
IR 8	8	11 1/4	2 1/4	5	63080 5	77.00
IR 10	10	13	2 1/4	7	63100 0	131.00
IR 12	12	16	2 3/8	8	63120 8	154.00
IR 16	16	22	3 1/4	12	63160 4	350.00

Dimensions are in inches

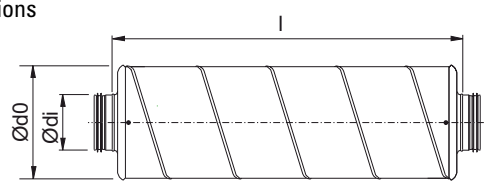
LD

Silencer for circular ducts

Easily-fitted silencer for circular ducts,fitted with a connection which is compatible with a standard spiral duct. The LD effectively reduces noise in the duct. Two silencers can be used together in installations where noise reduction is critical. For the most effective noise reduction, the silencer should be fitted immediately behind a fan or bend.

- Insulation thickness 2 inches

Dimensions



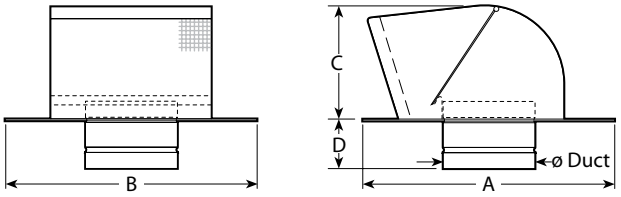
Model	ød1	ød0	l	Weight, lbs	UPC #	List Price, USD
LD 4	4	8	23 5/8	13	79040 0	95.00
LD 5	5	9	23 5/8	16	79050 9	108.00
LD 6	6	10 1/4	23 5/8	17	79060 8	124.00
LD 8	8	12 1/2	23 5/8	20	79080 6	140.00
LD 10	10	14	35 1/2	26	79100 1	216.00
LD 12	12	17 3/4	35 1/2	35	79120 9	280.00
LD 16	16	25	35 1/2	56	79160 5	352.00

RC

Roof Cap

Roof Cap with damper flap closure, duct connection and screened exhaust opening.

Dimensions



Model	A	B	C	D	Duct	Weight, lbs	UPC #	List Price, USD
RC 4	12	12	5 1/2	4	4	2	71040 8	32.00
RC 5	12	12	5 1/2	4	4	3	71050 7	87.00
RC 6	14	14	7	4	6	3	71060 6	95.00
RC 8	16	16	8	4	8	5	71080 4	110.00
RC 10	22	20	10	4	10	7	71100 9	135.00
RC 12	22	22	12	4	12	9	71120 7	154.00

Dimensions are in inches

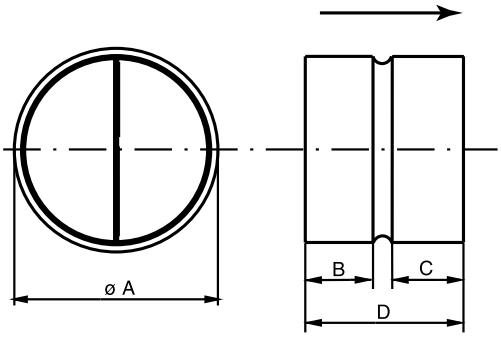
RSK

Backdraft Damper

Backdraft damper for circular ducts, manufactured from galvanized sheet steel. The two blades are spring-loaded. Every damper is built with performance in mind.

- Damper can be mounted vertically

Dimensions



Model	øA	D	Weight, lbs	UPC #	List Price, USD
RSK 4	4	3 1/4	1	69040 3	15.00
RSK 5	5	3 1/8	1	69050 2	18.00
RSK 6	6	3 1/8	1	69060 1	19.00
RSK 8	8	3 1/8	1	69080 9	27.00
RSK 10	10	3	2	69100 4	32.00
RSK 12	12	3	2	69120 2	44.00
RSK 14	14	6 3/8	4	69140 0	137.00
RSK 16	16	6 3/8	5	69160 8	170.00

Dimensions are in inches

FIDT

Insulated Flex Duct

Flexible round insulated duct. The insulation provides greater thermal efficiency to save energy. The product is also covered in a heavy duty, silver jacket for durability. The duct is UL listed. Available in 25-foot lengths.

Model	øD	Weight, lbs	UPC #	List Price, USD
FIDT 4	4	7	59040 6	33.00
FIDT 5	5	8	59050 5	38.00
FIDT 6	6	9	59060 4	44.00
FIDT 8	8	11	59080 2	53.00
FIDT 10	10	13	59100 7	65.00

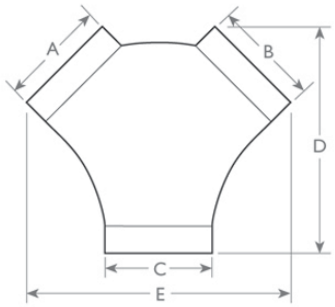
Dimensions are in inches

FY

Y-Connector

Y" adapter for circular ducts. Constructed of galvanized sheet metal.

Dimensions



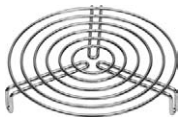
Model	øA	øB	øC	D	E	Weight, lbs	UPC #	List Price, USD
FY 4	4	4	4	10 1/2	12 1/2	2	64040 8	30.00
FY 5	5	5	5	11	14	2	64050 7	36.00
FY 6	6	6	6	12 1/2	13 1/2	2	64060 6	40.00
FY 644	4	4	6	-	-	2	64640 0	42.00
FY 664	4	6	6	-	-	2	64644 6	43.00
FY 866	6	6	8	13	16	3	64806 0	49.00
FY 8	8	8	8	10	14	3	64080 4	49.00
FY 810	8	8	10	10 1/2	16 1/2	4	64810 7	55.00

Dimensions are in inches

IG

Inlet Guard

Wire ring inlet guard used to prevent foreign objects from entering duct line. Zinc chromate plated steel.



Model	øD	Weight, lbs	UPC #	List Price, USD
IG 4	4	1	75040 4	8.00
IG 5	5	1	75050 3	8.00
IG 6	6	1	75060 2	8.00
IG 8	8	2	75080 0	10.00
IG 10	10	2	75100 5	14.00
IG 12	12	2	75120 3	18.00

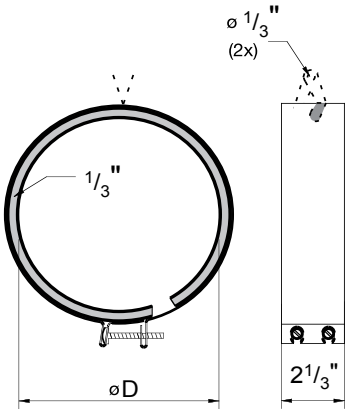
Dimensions are in inches

FC

Mounting Clamps

Mounting clips which facilitate the installation and removal of fans for service and cleaning. Made from galvanized sheet steel and fitted with an 1/3" neoprene lining which suppresses vibration and ensures a tight fit. The mounting clips are clamped together by two screws, which allow for connecting ducts with a marginal difference in diameter. Sold in pairs.

Dimensions



Model	øD	Weight, lbs	UPC #	List Price, USD
FC 4	4	1	51040 4	19.00
FC 5	5	1	51050 3	24.00
FC 6	6	2	51060 2	26.00
FC 8	8	3	51080 0	28.00
FC 10	10	3	51100 5	30.00
FC 12	12	4	51120 3	33.00
FC 12-315	315 mm	4	51125 8	36.00

Dimensions are in inches

DBLT 4W

NEW

Lint Trap for Dryer Booster

Galvanized metal lint trap for dryer boosting applications. Use when duct length between dryer and booster fan is less than 15 feet. Fits 4-inch duct. Features pull out white door with a view window with attached removable lint filter for easy cleaning and 1/2" flange for flush mount installation. The lint trap complements all Fantech dryer booster fans.

Specification Data

Model	Duct Size, inch	Weight, lbs	UPC #	List Price, USD
DBLT 4W	4	4	12004 7	49.00

ACCS

AC Current Sensing Switch

Current sensing switch relay. 120V, 2.5 A.

Specification Data

Model	Max Current, A	Weight, lbs	UPC #	List Price, USD
ACCS 40	2.5	1	40361 4	66.00

DB 10

Pressure Switch

Automatic pressure switch allows for fully automatic operation of dryer booster fan. Fan runs for 10 minutes when positive pressure is sensed in the duct line then shuts off and turns on again as needed.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
DB 10	115	2	1	12010 2	87.00

FPS

Pos/Neg Pressure Switch

Universal pressure switch. Adjustable between .05" to 1.0" water differential pressure. Using either positive or negative pressure sensing for duct line.

Specification Data

Model	Voltage, V	Max Current, A	Weight, lbs	UPC #	List Price, USD
FPS 10	115	10	2	12012 2	58.00

RHF / RPFH

Replacement Filter

Replacement filter package includes 1 pre filter and 1 carbon filter. Filters also available in bulk packs of 24 pieces for RPFH (RPFH1315B) and 12 pack RHF (RHF16B).

Specification Data

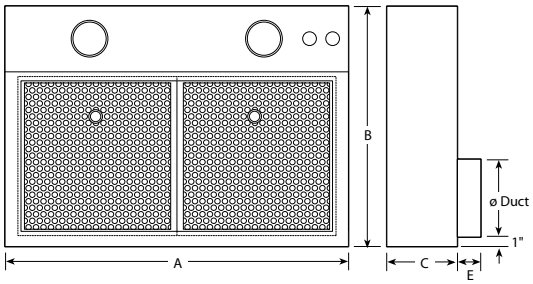
Model	Filer Type	Weight, lbs	UPC #	List Price, USD
RPFH 1315	Carbon / Pre filter	3	47624 3	35.00
RPFH 1315B	Carbon / Pre filter	19	47626 7	635.00
RHF 16	HEPA	3	47620 5	113.00
RHF 16B	HEPA	22	47622 9	960.00

SHL/SGHL

Kitchen Hood Liner

SHL Series range hood liners are made from commercial grade 304, 22-gauge stainless steel. Both series feature a built-in infinite speed control for the fan, washable aluminum filters and dimmable halogen lights (bulbs included). SGHL Series hood liners are made from 22 gauge, 304 stainless fascia with a galvanized steel body. Available in 36", 42", and 48" widths. UL approved.

Dimensions



Specification Data

Model	A	B	C	øD	Weight, lbs	UPC #	List Price, USD
SHL 36	34 1/2	22	6	8	29	47036 4	1,002.00
SHL 42	40 1/2	22	6	10	32	47042 5	1,134.00
SHL 48	46 1/2	22	6	10	36	47048 7	1,219.00
SGHL 30	28 1/2	18	4	6	15	47530 7	629.00
SGHL 36	34 1/2	18	4	8	19	47536 9	736.00

Dimensions are in inches

SGHF

Replacement Filter

Washable hood liner grease screen/filter Size 13 ¾" x 14 1/8". Used with SHL / SGHL.

Specification Data

Model	Replacement for	Weight, lbs	UPC #	List Price, USD
SGHF 30	Hood Liner SGHL 30	2	47598 7	37.00
SGHF 36	Hood Liner SGHL 36	2	47599 4	37.00
SHF 36/42/48	Hood Liner SHL 36, 42 & 48	2	47900 8	37.00

FBRF

Replacement Filter

Pleated, non-washable. Rated MERV13 (Arrestance of >98% based on Standard 52). Listed UL 900 for the US and Canada.

Model	Replacement for	Weight, lbs	UPC #	List Price, USD
FBRF 6	Inline Filter Box FB 6	1	40390 4	32.00

5ACC..FS, 5ACC..FT

Fixed Non-Ventilated Curb

Manufactured from heavy gauge galvanized steel. Corners are welded construction. The curb features fiberglass insulation that deadens sound and minimizes heat loss. The unit equipped with shutter flanges and 1 $^1/_2$" and a wood nailer (fixed roof curbs only). Class 2.

Specification Data

Model 8"/ 12"	Fan Size	Weight, lbs	UPC #	List Price, USD
5ACC15FS	REC 54/6	24	49580 0	106.00
5ACC19FS	REC 8..10	24	71062 0	133.00
5ACC17FS / 5ACC17FT	10	24 / 29	47206 1 / 47207 8	118.00 / 151.00
5ACC20FS / 5ACC20FT	12, 13	28 / 33	47212 2 / 47213 9	130.00 / 163.00
5ACC24FS / 5ACC24FT	15, 16	33 / 38	47217 7 / 47941 1	141.00 / 176.00
5ACC28FS / 5ACC28FT	18, 20	40 / 48	47221 4 / 47222 1	158.00 / 196.00
5ACC32FS / 5ACC32FT	24	46 / 53	47226 9 / 47227 6	175.00 / 216.00
5ACC40FS / 5ACC40FT	30	57 / 68	47233 7 / 47901 5	221.00 / 336.00
5ACC44FS / 5ACC44FT	36	68 / 73	47237 5 / 47238 2	255.00 / 323.00

5ACC..VC

Fixed Ventilated Curb

Manufactured from galvanized steel. The curb features stamped louvers on curb sides that provide ventilation to hot exhaust ducts to protect building and roof members. Self-flashing design incorporates flat mounting flange for fastening directly to the roof deck.

Specification Data

Model	Fan Size	Curb Height, inch	Weight, lbs	UPC #	List Price, USD
5ACC17VC	10	24	38	47208 5	201.00
5ACC20VC	12, 13	24	38	47214 6	214.00
5ACC24VC	15, 16	24	47	47219 1	229.00
5ACC28VC	18, 20	24	54	47223 8	251.00
5ACC32VC	24	24	52	47228 3	307.00
5ACC40VC	30	18	63	47234 4	376.00
5ACC44VC	36	18	92	47665 6	397.00

5ACC..GC

Grease Collector

The grease collector box manufactured from heavy gauge galvanized steel. It fastens to a ventilator base. Easy to remove for cleaning. Diverts and traps heavy residual grease while protecting roof surface. Available in 2 sizes. Class 1.

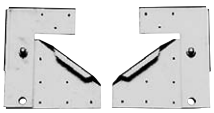
Specification Data

Model 8"/ 12"	Fan Size	Length, inch	Width, inch	Weight, lbs	UPC #	List Price, USD
5ACC00GC	10 - 13	14	5	4	47178 1	104.00
5ACC01GC	15 - 36	24	7	12	47180 4	133.00

5ACC..HK

Hinge Kit

Model 5ACC00HK suitable for 10-1/2"-20" and model 5ACC01HK suitable for 24-1/2"- 36." Allows entire fan to swing away for access to the wheel and ductwork.



Specification Data

Model	Fan Size	Weight, lbs	UPC #	List Price, USD
5ACC00HK	10 - 20	4	47179 8	90.00
5ACC01HK	24 - 36	40	47181 1	308.00

1ACC..MD

Motorized Damper

Manufactured from 14-gauge galvanized steel frame 2" deep with 1" flange. For quiet operation steel blades have felted edges. Damper is equipped with a motor to open and a spring return to close. Maximum airflow is 3500 FPM. 120/240V, 0.19/0.11A, 60 Hz. 54MD and 60MD models are 240V only.

Specification Data

Model	Fan Size	Recommended Wall Opening	Outside Flange, inch	Weight, lbs	UPC #	List Price, USD
1ACC24MD	24	25 x 25	27 x 27	29	47011 1	270.00
1ACC30MD	30	31 x 31	33 x 33	39	47016 6	446.00
1ACC36MD	36	37 x 37	39 x 39	51	47021 0	509.00
1ACC42MD	42	43 x 43	45 x 45	67	47026 5	586.00
1ACC48MD	48	49 x 49	51 x 51	83	47031 9	647.00
1ACC54MD	54	55 x 55	57 x 57	114	47422 3	967.00
1ACC60MD	60	61 x 61	63 x 63	130	47980 0	1,032.00

FQ FD

NEW

Radiation Damper

Fire/Radiation Damper is UL classified for T-bar, hanger rod/ wire ceiling installation and classified according to UL 555C for use in 3-hour fire rated floor/ ceiling or roof/ceiling assemblies. For use with Fantech FQ Series non-lighted exhaust fans.

Specification Data

Model	Fire rating, hr	Mounting	Weight, lbs	UPC #	List Price, USD
FQ FD	3	T-bar	2	46975 7	76.00

5ACC..RD

Roof Mount Damper

Manufactured from 19-gauge galvanized steel frame 2" deep with 1" flange. For quiet operation aluminum blades have felted edges. Pre-punched conduit hole knock-out. Class 1.

Specification Data

Model	Fan Size	Recommended Roof Opening	Outside Flange, inch	Weight, lbs	UPC #	List Price, USD
5ACC12RD	10	12 1/2 x 12 1/2	12 x 12	3	47196 5	30.00
5ACC15RD	12, 13	15 1/2 x 15 1/2	15 x 15	4	47203 0	36.00
5ACC19RD	15, 16	19 1/2 x 19 1/2	19 x 19	5	47210 8	42.00
5ACC23RD	18, 20	23 1/2 x 23 1/2	23 x 23	9	47215 3	54.00
5ACC27RD	24	27 1/2 x 27 1/2	27 x 27	11	47220 7	63.00
5ACC35RD	30	35 1/2 x 35 1/2	35 x 35	16	47229 0	89.00
5ACC39RD	36	39 1/2 x 39 1/2	39 x 39	21	47232 0	108.00

1ACC..WD

Wall Damper

Single panel exhaust shutter manufactured from 19-gauge galvanized steel frame 3" deep with 1 5/8" flange. For quiet operation aluminum blades have felted edges. The damper is designed for use with 2VLD ventilator models. Models 42WD and 48WD have double panel.

Specification Data

Model	Fan Size	Recommended Wall Opening	Outside Flange, inch	Weight, lbs	UPC #	List Price, USD
1ACC12WD	12	13 x 13	15 x 15	5	47004 3	56.00
1ACC16WD	16	17 x 17	19 x 19	6	47006 7	59.00
1ACC18WD	14	19 x 19	21 x 21	6	47008 1	59.00
1ACC20WD	20	21 x 21	23 x 23	7	47010 4	64.00
1ACC24WD	24	25 x 25	27 x 27	9	47014 2	78.00
1ACC30WD	30	31 x 31	33 x 33	17	47019 7	84.00
1ACC36WD	36	37 x 37	39 x 39	22	47024 1	89.00
1ACC42WD	42	43 x 43	45 x 45	26	47029 6	106.00
1ACC48WD	48	49 x 49	51 x 51	31	47029 0	195.00

1ACC..WH

Weatherhood

Shield fan and damper opening in walls from rain and snow. For direct- and belt-drive propeller fans. Sized to easily mount to wall collar. Galvanized steel construction. A bird screen is included. Weatherhoods are shipped unassembled with assembly hardware included.

Specification Data

Model	Fan Size	Recommended Wall Opening	Outside Flange, inch	Weight, lbs	UPC #	List Price, USD
1ACC24WH		13 x 13	15 x 15	31	47015 9	175.00
1ACC30WH		17 x 17	19 x 19	44	47020 3	239.00
1ACC36WH		19 x 19	21 x 21	58	47025 8	294.00
1ACC42WH		21 x 21	23 x 23	74	47030 2	302.00
1ACC48WH		25 x 25	27 x 27	97	47035 7	457.00

1ACC..CS

Ceiling mount Shutter

Square aluminium white mount with adjustable deflectors. RAL 9010. The mount can be used in residential premises along with WHV Series for stale air. It is intended for mounting into wall, ceiling, or into window sill. CS is supplied with springs as a standard.

Specification Data

Model	Fan Size	Recommended Opening, inch	Free area, sq.ft.	Weight, lbs	UPC #	List Price, USD
1ACC24CS	24	24 x 24	4	4	49932 7	120.00
1ACC30CS	30	30 x 30	6.25	4	47885 8	150.00
1ACC36CS	36	36 x 36	9	5	47610 6	180.00

Everything else you need to know.

Terms & Conditions of Sale

TERMS AND PRICES

a) Terms and payment on all orders are subject to the approval of Fantech's credit department and, unless otherwise stated, are NET 30 days from the date of invoice without regard to the date of delivery of the Products. All orders will be COD prior to credit approval. No prox billing. 1-1/2% charge on all invoices over 30 days.

b) Prices and deliveries are FOB Fantech warehouse, or as otherwise stated, and the risk of loss and damage shall pass to Buyer upon the delivery to the carrier.

c) Buyer shall pay Fantech the amount of any sales, use or any other local, state or federal taxes which arise from the sale or delivery of the Products.

d) All pricing will be according to the current Fantech price list. Verbal quotes obtained via telephone are not binding, and subject to correction by the current printed Fantech price list. Unless a pricing quote is in writing from Fantech, the prices on the current price list supersede all prior price quotes.

e) Individual Project or Job quotes are subject to expiration 30 days from date of the quote unless otherwise stated.

f) The prices of any Product are subject to increase by Fantech to reflect increased costs of labor, raw materials, components, parts, overhead and other expenses.

g) Fantech reserves the right to change prices and specifications without notice.

h) No order will be shipped if any invoices are past due.

i) Next day or second day air shipments received after 12:00 PM EST are processed the following work day.

SHIPPING AND DELIVERY

a) Buyer's receipt of any products delivered by Fantech shall be an unqualified acceptance of, and a waiver by Buyer for any and all claims with respect to, such Products on the earliest to occur of 1) payment for the Products, or 2) failure of Fantech to receive notice in writing of shortages in the Products within ten (10) days of their delivery to Buyer.

b) UNDER NO CIRCUMSTANCES WILL FANTECH BE RESPONSIBLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF OR OWING TO ANY DELAYS IN DELIVERY.

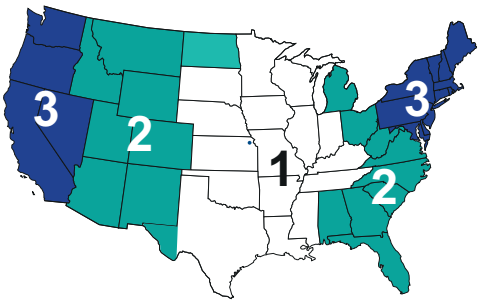
MINIMUM ORDER REQUIREMENTS

Traditional Distributors

$200 Minimum order (orders will be raised to $200.00 if order is < $200)

Internet Distributors

$500 Minimum order ($100 handling change will be applied for orders < $500)



FREIGHT ADDER

1. 6.5% of List Price
2. 7.0% of List Price
3. 8.5% of List Price

FREIGHT POLICIES

There are two classifications of products in this price list: Class 1 and Class 2.

Class 1 Products

Fantech will prepay freight on orders of $2000 or more at net invoice pricing. For order less than $2000 NET freight charges will be calculated based on destination of shipment and added to invoice or shipped Collect. Please, refer to the three distinct zones indicated on the map at right and the FREIGHT ADDER CHART to calculate charges. Inquire with your Fantech Sales Representative how to qualify for Class 1 prepaid threshold at $1,250 NET (orders without ERV/HRVs).

Class 2 Products

Fantech will prepay freight on orders of $10,000 or more at net invoice pricing. For order less than $10,000 NET freight charges will be calculated based on destination of shipment and added to invoice or shipped Collect. Please, refer to the three distinct zones indicated on the map at right and the FREIGHT ADDER CHART to calculate charges.

An order with a combination of Class 1 Products & Class 2 Products where the total Net invoice is less than $10,000:

Items that would have qualified for Freight Allowed such as $2,000 of Class 1 items will ship Freight Allowed. Balance of order will be charged freight and handling.

Freight Allowed is valid within the continental US only: no order will be freight allowed to Alaska, Hawaii, Canada, Puerto Rico, or any other location outside the continental US.

This freight allowed is valid within the continental U.S. only; no order will be prepaid to Alaska, Hawaii, Canada, Puerto Rico, or any other location outside the continental U.S. Freight allowed shipments will be shipped by best way "ground" as determined by Fantech. For special or nonstock products check with Fantech Customer Service. Orders which include special or nonstock Products will be processed as split shipments with stock items shipped at once and special or nonstock products shipped when available unless a notation to the contrary appears on Buyer's purchase order. If Buyer specifies express or air

Terms & Conditions of Sale

shipment, Buyer shall pay the difference between express or air and freight rates (see Shipping Policy for additional information).

DAMAGES OR SHORTAGES

a) Claims for damages or shortages must be reported within ten (10) days of receipt of Product.

b) For any Product received damaged by a trucking company

THESE INSTRUCTIONS MUST BE FOLLOWED:

1. If Product received by UPS:
   Concealed damages: Keep all cartons, call for inspection and notify Fantech immediately. Visible damages: Damaged goods due to shipping must be filed with UPS immediately.
2. If Product received by a freight company:
   All damages due to handling during shipping must be filed directly with the freight company. Claim must be made by receiver immediately.

c) Shortages: Sign only for the number of pieces received, and call Fantech immediately.

FANTECH RETURN POLICY

a) All returns must be preauthorized and shipped with a Returned Materials Authorization (RMA) number. This can be obtained only by Buyer from Fantech.

b) RMA number must be clearly written on the outside of the carton, or the carton will be refused.

c) All Products being returned must be shipped prepaid.

d) Any Product returned to us that is not covered by Warranty will be returned, without action, to Buyer, freight collect; no credit will be issued.

e) Orders placed cannot be cancelled or altered nor can deferred deliveries of Products completed or in process be extended beyond original specified delivery dates, except with Fantech's consent and upon terms which will indemnify Fantech against loss.

f) Any claim based on the receipt of damaged products must be filed with the carrier which delivered the Products. Fantech will not allow credit for the return of damaged Products.

g) Items from the Pricelist returned within 1 year from date of purchase are subject to a 25% restocking fee for inspection and repackaging providing all items are in salable condition. No returns will be accepted beyond 12 months from date of sale.

h) No returns will be accepted for products not on the current Pricelist.

i) PRODUCTS RETURNED WITHOUT FANTECH'S RETURN MATERIALS AUTHORIZATION NUMBER WILL NOT BE ACCEPTED. FANTECH WILL NOT ACCEPT THE RETURN OF ANY SPECIAL, NONSTOCK, OBSOLETE OR UNSALEABLE PRODUCTS.

FANTECH WARRANTY

1. EXCEPT AS EXPRESSLY STATED IN THIS AGREEMENT, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE. FANTECH DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AS TO BOTH FANTECH AND NON FANTECH PRODUCTS. FANTECH'S WARRANTIES EXTEND SOLELY TO ITS CUSTOMER. FANTECH WILL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF USE, REVENUES, PROFITS OR SAVINGS, EVEN IF FANTECH KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES.
2. Equipment Warranty and Disclaimers

a) Subject to conditions (b) through (h) below, Fantech warrants that Equipment sold by it will be free from defects in material and workmanship during the Warranty Period. During the Warranty Period, Fantech will repair or replace any defective item of Equipment or part or component of Equipment, promptly sent to Fantech by Customer, which Fantech determines was defective due to faulty material or workmanship. "Warranty Period" means the period stated to be such on the operations manual

(b) Because Equipment requires ongoing maintenance, the preceding warranty is void if the maintenance specified by Fantech as required maintenance has not been performed, as determined by Fantech.

c) This Warranty is void if the Fantech label control number or date of manufacture, which is affixed to the Equipment, has been removed or altered in any way

d) This Warranty does not apply to damage occurring after Fantech shall have delivered the Equipment to a shipper. If damage, whether concealed or visible, has been caused by shipping, Customer must file a claim with the freight company

e) This Warranty does not apply to damages resulting from improper wiring or installation, or resulting from improper consumer procedures such as lack of proper maintenance, misuse, abuse, abnormal use, use by an application other than one recommended by Fantech, or accident or application of incorrect electrical voltage or current

f) This Warranty does not apply to damage or failure caused by any cause beyond the control of Fantech, including acts of God, war, terrorism, riot, or insurrection

g) In no event will Fantech be liable for claims, demands, or actions against Customer by any person except as provided in Section 3

h) The entire liability of Fantech and Customer's exclusive remedy for any defective, non-Fantech products provided under this Agreement is limited to their return to Fantech within 90 days after shipment for refund of the amount paid to Fantech for such products (not including any amounts paid for related services.

Terms & Conditions of Sale

3. Patent, Copyright and Trade Secret Indemnification.
   a) Fantech, at its own expense, will defend and indemnify Customer against claims that products furnished under this Agreement infringe a United States patent or copyright, or misappropriate trade secrets protected under United States law, provided Customer: (i) gives Fantech prompt written notice of such claims at the following address: 10048 Industrial Blvd, Lenexa, Kansas 66215; (ii) permits Fantech to defend or settle the claims; and provides all reasonable assistance to Fantech in defending or settling of claims
   b) As to any product which is, or in the opinion of Fantech, may become subject to a claim of infringement or misappropriation, Fantech may elect to (i) obtain the right of continued use of such product for Customer; or (ii) replace or modify such product to avoid such claim. If neither alternative is available on commercially reasonable terms, as determined by Fantech, then, at the request of Fantech, Customer will discontinue use and return the Equipment, and Fantech will grant a credit for the price paid to Fantech, less a reasonable offset for use and obsolescence
   c) Fantech will not defend or indemnify Customer if any claim of infringement or misappropriation (i) is asserted by parent, subsidiary or affiliate of Customer; (ii) results from Customer's design or alteration of any product, or (c) results from the use of any product in combination with any non-Fantech product
   d) This paragraph 3 states the entire liability of Fantech and Customer's sole and exclusive remedies for patent or copyright infringement and trade secret misappropriation.
4. Warranty Claim Procedure.
   a) Customer will pay transportation and insurance costs to ship Equipment if an offsite inspection and repair location is designated by Fantech. Fantech will pay the return costs if the Equipment was defective. Labor costs of diagnosis are not included in this Warranty;

FOR FACTORY RETURN YOU MUST:

- Have a Return Materials Authorization (RMA) number. This may be obtained by calling FANTECH at 800.565.3548. Please have bill of sale available
- The RMA number must be clearly written on the outside of the carton, or the carton will be refused.
- All parts and/or product being returned must be shipped prepaid, and be accompanied with a copy of the bill of sale.

OR

The List may place an order for the warranty part and/or product and is invoiced. The List will receive a credit equal to the invoice only after product is returned prepaid and verified to be defective.

FANTECH WARRANTY TERMS DO NOT PROVIDE FOR REPLACEMENT WITHOUT CHARGE PRIOR TO INSPECTION FOR A DEFECT. REPLACEMENTS ISSUED IN ADVANCE OF DEFECT INSPECTION ARE INVOICED, AND CREDIT IS PENDING INSPECTION OF RETURNED MATERIAL. DEFECTIVE MATERIAL RETURNED BY END USERS SHOULD NOT BE REPLACED BY THE List WITHOUT CHARGE TO THE END USER, AS CREDIT TO List'S ACCOUNT WILL BE PENDING INSPECTION AND VERIFICATION OF ACTUAL DEFECT BY FANTECH.

WARRANTY VALIDATION

- The user must keep a copy of the bill of sale to verify purchase date.
- These warranties give you specific legal rights, and are subject to any applicable consumer protection legislation. You may have additional rights which vary from state to state.

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Customer Support:
800.747.1762 • support@fantech.net

Send Orders:
orders@fantech.net • 877.747.8116

Keep yourself updated on all news and new products by following us on **fantech.net**

All catalog prices are valid until April 30, 2014.
This catalog supersedes all previous price lists.

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