VENTS-US

PRODUCT RANGE

Catalogue

VENTS-US is the North American division of VENTS, a premier global manufacturer specializing in providing ventilation solutions for residential and commercial applications. Our wide array of products caters to diverse needs.

VENTS-US provides sales & support in all markets; residential, commercial, industrial and custom manufactured solutions. Our Head Office and warehouse facilities in Cincinnati, Ohio serve the Americas and Caribbean Islands.

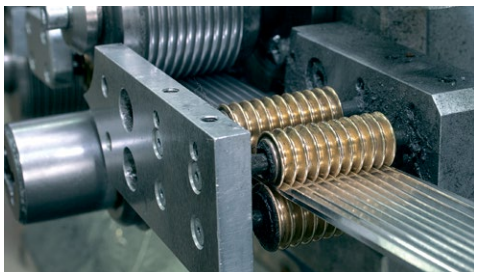
Vents-US utilizes an array of distribution channels; e-commerce, retail, wholesale and Engineering Sales Agents throughout the United States, Canada and Central/ South America.

VENTS-US products and solutions can be seen in retail stores, commercial businesses, single-family homes, stadiums, auditoriums, big-box stores, restaurants and many more.

VENTS was founded in Europe in 1997. Our current team of 2,500+ highly trained and qualified employees provide the complete production cycle from concept to design to finished products. Utilizing over 1,600,000 Sq.Ft of manufacturing space, over 7-factories we develop a full range of technologically advanced ventilation equipment, all while adhering to strict quality control requirements.

VENTS-US plays a critical role in promoting the importance of a healthy indoor environment and continuously develops new technologies to meet the ever evolving needs of the IAQ Industry. VENTS innovative solutions meets and exceeds requirements relating to airborne infection control in all environments; schools, medical facilities, office buildings, and residential homes worldwide.

VENTS products have garnered rave reviews across various industries in 110 countries worldwide while maintaining class leading excellence in quality and overachieving in regional governance guidelines, testing and certifications.



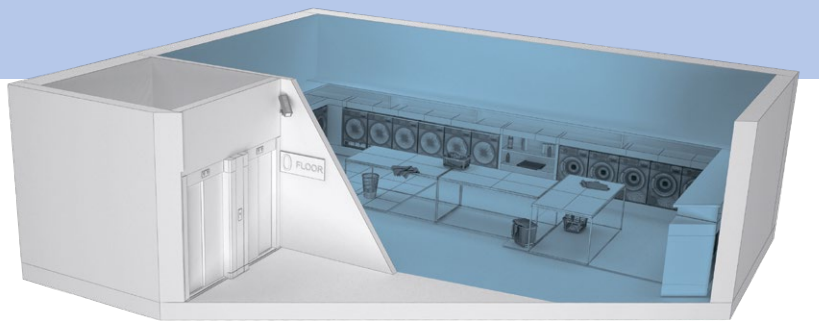
VENTS-US is a member of HVI, HRAI and HARDI Associations.
The products are UL, CSA and HVI certified for USA and Canada.

Ventilation Solutions for Apartments & Multifamily Buildings

Ventilation systems in multi-unit residential buildings can be centralized, floor-by-floor, or individual suite-based. VENTS offers solutions for each approach. Enhance comfort in separate premises with optional ventilation, even with a centralized system.

LAUNDRY

Dryer booster exhaust fans with built-in automatic pressure switch



VK PS

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VKP PS

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GYM

Powerful inline fans for air exhaust and supply

TT

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TT Pro

p.70

TT Silent M

p.70

VK

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VK EC

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VKM

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VKM EC

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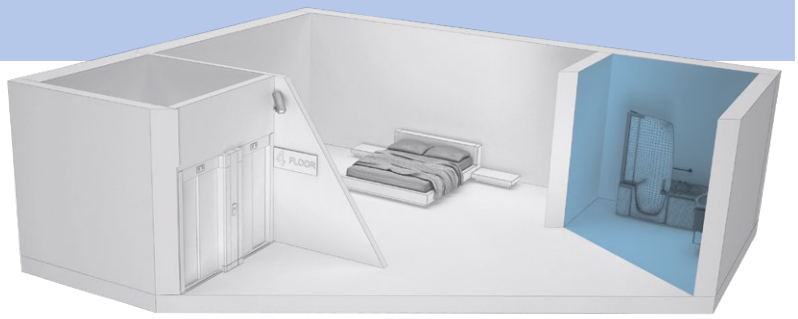
BATHROOM

Innovative ventilation solutions for bathroom air exhaust



TT

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TT Pro

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TT Silent Kit

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TT Silent

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TT Silent M

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KITCHEN

Powerful inline fans for air exhaust

VKP

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VKM

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VKM EC

p.77

RESIDENTIAL ERV/HRV

High efficient heat/energy recovery units for an apartment exhaust and supply

Frigate

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Frigate EC

p.38

SINGLE-ROOM ERV/HRV

Powerful inline fans for stale air exhaust High efficient heat/energy recovery units for a single room exhaust and supply

TF Comfo

p.10

TF Expert

p.11

TF Elite

p.18

Freshbox 100 WiFi

p.20

Micra 60

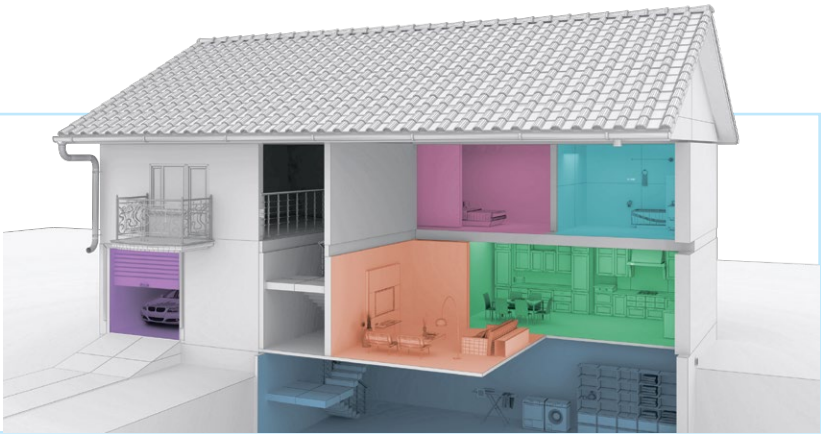
p.21

Micra 150

p.22

Ventilation Solutions for Single Family Homes

The diverse VENTS-US product range offers unique solutions for all home ventilation needs, ensuring a safer and healthier environment for you and your customers homes.



BASEMENT

Radon Mitigation fans designed to reduce radon concentration

VK-AntiRADON

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VKM-AntiRADON

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LAUNDRY

Dryer booster fans with built-in automatic pressure switch.

VK PS

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VKP PS

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GARAGE

Wall-through exhaust ventilation kits designed to remove fumes and vehicle exhaust.

VCN Garage Kit

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LD Garage Kit

p.86

MA Garage Kit

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SINGLE-ROOM ERV/HRV

High efficient heat/energy recovery units for a single room exhaust and supply.

TF Comfo

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TF Expert

p.11

TF Elite

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Freshbox 100 WiFi

p.20

Micra 60

p.21

Micra 150

p.22

KITCHEN

Powerful inline fans for stale air and odors exhaust

VKM

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VKM EC

p.77

FB K2

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BATHROOM

High quality exhaust fans remove moisture and pollutants

TT

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TT Silent Kit

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TT Pro

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TT Silent

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TT Silent M

p.71

Boost

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WHOLE HOUSE

High efficient heat/energy recovery units for the whole house air exhaust and supply

Frigate

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Frigate EC

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Brig HRV

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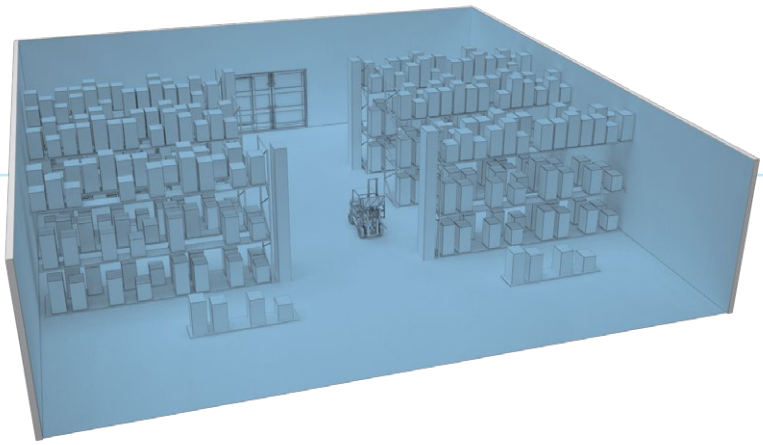

Ventilation Solutions for Commercial Premises

VENTS ventilation solutions play a crucial role in maintaining an optimal warehouse environment. By improving air circulation, refining air quality, and regulating humidity and temperature levels, our systems contribute to creating a healthier and safer workplace environment.

WAREHOUSE

AirLite ERV/HRV

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AirLite ERV/HRV EC

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AIRVENTS CFP

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AIRVENTS CFH

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AIRVENTS CFV

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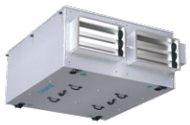
AIRVENTS RP

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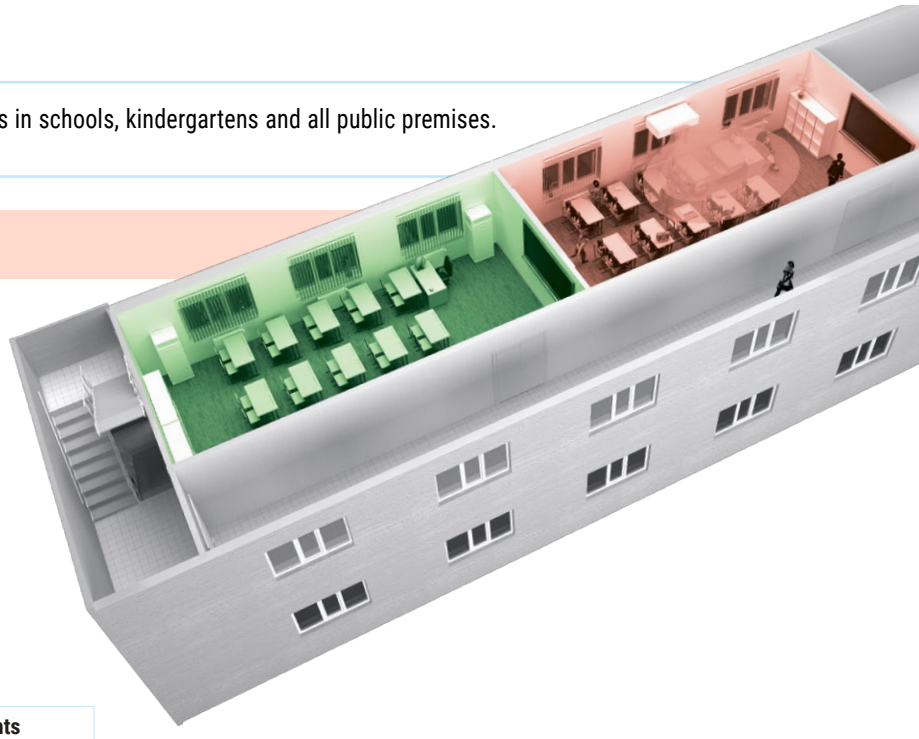
VENTS ventilation solutions ensure high quality air exchanges in schools, kindergartens and all public premises. Our products help provide a healthier and safer environment.



COMMERCIAL PREMISES

Freshbox 100 WiFi

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Micra

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DVUT HB EC

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Frigate

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IRF-150

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AirLite/AirLite EC

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AirVents

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TWINFRESH

UNIQUE SINGLE-ROOM
ENERGY RECOVERY VENTILATOR

Efficient supply and exhaust ventilation **up to 50 CFM**

Sensible Recovery Efficiency **up to 93%**

Silent operation **from 0.2 Sones**

As warm, stale air is exhausted from the room, it passes through a ceramic core where both heat and moisture is accumulated. As the core is now heated to room temperature, the Twinfresh unit automatically switches to supply mode.

As the fresh, filtered air from outside passes through the ceramic energy core, it absorbs moisture and it warms up due to the accumulated heat.
As temperature of the accumulator drops down, the fan switches to exhaust mode and the cycle is repeated. The ventilator changes its operation mode from supply to exhaust ventilation every 70 seconds.

TWINFRESH COMFO RA1-50-2

Single-Room Energy Recovery Ventilator

- Air flow capacity: up to **30** CFM
- Recovery efficiency: up to **88** %
- Sound level @10 ft: **0.2–0.5** Sones

Model	Speed	RPM	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	CFM in the Recovery Mode	Recovery Efficiency [%]	Transported Air Temp. [°F]	Filter	Volt/Hz
TwinFresh Comfo RA1-50-2	MS	800	0.4	4.5	0.026	19	9	max. 88	-4...+104	MERV5 (option: MERV 13)	1~100–240/ 50–60
	HS	1450	0.5	6	0.039	30	15				

One TwinFresh Comfo unit in ventilation mode can serve rooms up to 500 sq.ft. In accordance with the ANSI/ASHRAE Standard 62.2-2016.

Extra Accessories

Accessory image	Accessory name	Description	In stock
	EH-2 150	Stainless steel outer hood for extra thin (5 7/8") walls	✓
	EH-20 150	Stainless steel outer hood for extra thin (4") walls	Special order
	SF TwinFresh R50 G3	MERV5 filter set (2 pcs.)	✓
	SF TwinFresh R50 F7	Option: MERV 13 filter (1 piece) *(MERV13 Reduces the air flow down to 24 CFM when installed.)*	✓
	RC TwinFresh Comfo R-50	Remote control	✓

TWINFRESH EXPERT RA1-50-2

Single-Room Energy Recovery Ventilator

- Air flow capacity: up to **30** CFM
- Recovery efficiency: up to **93** %
- Sound level @10 ft: **0.3–1.3** Sones

Model	Speed	RPM	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	CFM in the Recovery Mode	Recovery Efficiency [%]	Transported Air Temp. [°F]	Regenerator Type	Filter	Ingress Protection	Volt/Hz
TwinFresh Expert RA1-50-2	1	800	0.3	3.61	0.025	9	4	max. 93	+4...+104	Ceramic	MERV5 (option: MERV13)	IP24	1~100–240/ 50–60
	2	1300	0.5	4.15	0.030	18	9						
	3	1900	0.6	5.20	0.039	30	15						

One TwinFresh Expert unit in the ventilation mode can serve rooms up to 500 sq.ft. In accordance with the ANSI/ASHRAE Standard 62.2-2016.

Extra Accessories

Accessory image	Accessory name	Description	In stock
	EH-2 160	Stainless steel outer hood for extra thin (5 7/8") walls	✓
	EH-20 160	Stainless steel outer hood for extra thin (4") walls	Special order
	C3	Cartridge with heat regenerator for cold climate	Special order
	SF TwinFresh Expert R-50 F7	Option: MERV 13 Filter (1 piece) *(MERV13 Reduces the air flow down to 24 CFM when installed.)*	✓
	SF TwinFresh R50 G3	MERV5 filter set (2 pcs.)	✓
	Duct 160-500	Air duct 19 3/4"	✓
	RC TwinFresh Expert_1	Remote control	✓
	CO2-2	CO_2 sensor with a LED CO_2 concentration indicator and a touch button to switch the CO_2 sensor operation mode	✓

TWINFRESH EXPERT RW1-50-2

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **30** CFM
- Recovery efficiency: up to **93** %
- Sound level @10 ft: **0.3–0.6** Sones

Model	Speed	RPM	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	CFM in the Recovery Mode	Recovery Efficiency [%]	Regenerator Type	Filter	Ingress Protection	Volt/Hz
TwinFresh Expert RW1-50-2	1	800	0.3	4.45	0.035	9	4	max. 93	Ceramic	MERV5 (option: MERV13)	IP24	1~100–240/ 50–60
	2	1300	0.5	5.08	0.040	18	9					
	3	1900	0.6	7.06	0.059	30	15					

One TwinFresh Expert unit in the ventilation mode can serve rooms up to 500 sq.ft. In accordance with the ANSI/ASHRAE Standard 62.2-2016.

Extra Accessories

Accessory image	Accessory name	Description	In stock
	EH-2 160	Stainless steel outer hood for extra thin (5 7/8") walls	✓
	EH-20 160	Stainless steel outer hood for extra thin (4") walls	Special order
	C3	Cartridge with heat regenerator for cold climate	Special order
	KV TwinFresh Expert RW	Wi-Fi controlled control panel	Special order
	SF TwinFresh Expert R-50 F7	Option: MERV 13 Filter (1 piece) *(MERV13 Reduces the air flow down to 24 CFM when installed.)*	✓
	SF TwinFresh R50 G3	MERV5 filter set (2 pcs.)	✓
	Duct 160-500	Air duct 19 3/4"	✓
	RC1 TwinFresh Expert_1	Remote control	✓
	CO2-2	CO_2 sensor with a LED CO_2 concentration indicator and a touch button to switch the CO_2 sensor operation mode	✓

TWINFRESH EXPERT RW1-85-2 V.2

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **50** CFM
- Recovery efficiency: up to **70** %
- Sound level @10 ft: **0.5–2.1** Sones

Model	Speed	RPM	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	CFM in the Recovery Mode	Recovery Efficiency [%]	Regenerator Type	Filter	Ingress Protection	Volt/Hz
TWINFRESH EXPERT RW1-85-2 V.2	1	1050	0.5	3.78	0.048	9	4	max. 70	Ceramic	MERV5 (option: MERV13)	IP24	1~100–240/ 50–60
	2	1600	0.7	4.71	0.056	18	9					
	3	2270	1.5	6.85	0.075	29	15					
	MAX	2930	2.1	10.55	0.106	50	25					

One TwinFresh Expert unit in the ventilation mode can serve rooms up to 500 sq.ft. In accordance with the ANSI/ASHRAE Standard 62.2-2016.

Extra Accessories

Accessory image	Accessory name	Description	In stock
	EH-2 160	Stainless steel outer hood for extra thin (5 7/8") walls	✓
	EH-20 160	Stainless steel outer hood for extra thin (4") walls	Special order
	KV TwinFresh Expert RW	Wi-Fi controlled control panel	Special order
	SF TwinFresh Expert R-50 F7	Option: MERV 13 Filter (1 piece) *(MERV13 Reduces the air flow down to 24 CFM when installed.)*	✓
	SF TwinFresh R50 G3	MERV5 filter set (2 pcs.)	✓
	Duct 160-500	Air duct 19 3/4"	✓
	RC TwinFresh Expert_1	Remote control	✓
	CO2-2	CO_2 sensor with a LED CO_2 concentration indicator and a touch button to switch the CO_2 sensor operation mode	✓

TWINFRESH EXPERT RW1-100-2 V.2

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **50** CFM
- Recovery efficiency: up to **70** %
- Sound level @10 ft: **0.5–2.1** Sones

Model	Speed	RPM	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	CFM in the Recovery Mode	Recovery Efficiency [%]	Regenerator Type	Filter	Ingress Protection	Volt/Hz
TWINFRESH EXPERT RW1-100-2	1	780	0.2	3.20	0.037	11	5	max. 87	Ceramic	MERV5 (option: MERV13)	IP24	1~100–240/ 50–60
	2	1100	0.4	4.00	0.046	18	9					
	3	1920	2.2	6.60	0.071	34	17					
	MAX	2940	5.0	18.00	0.151	64	32					

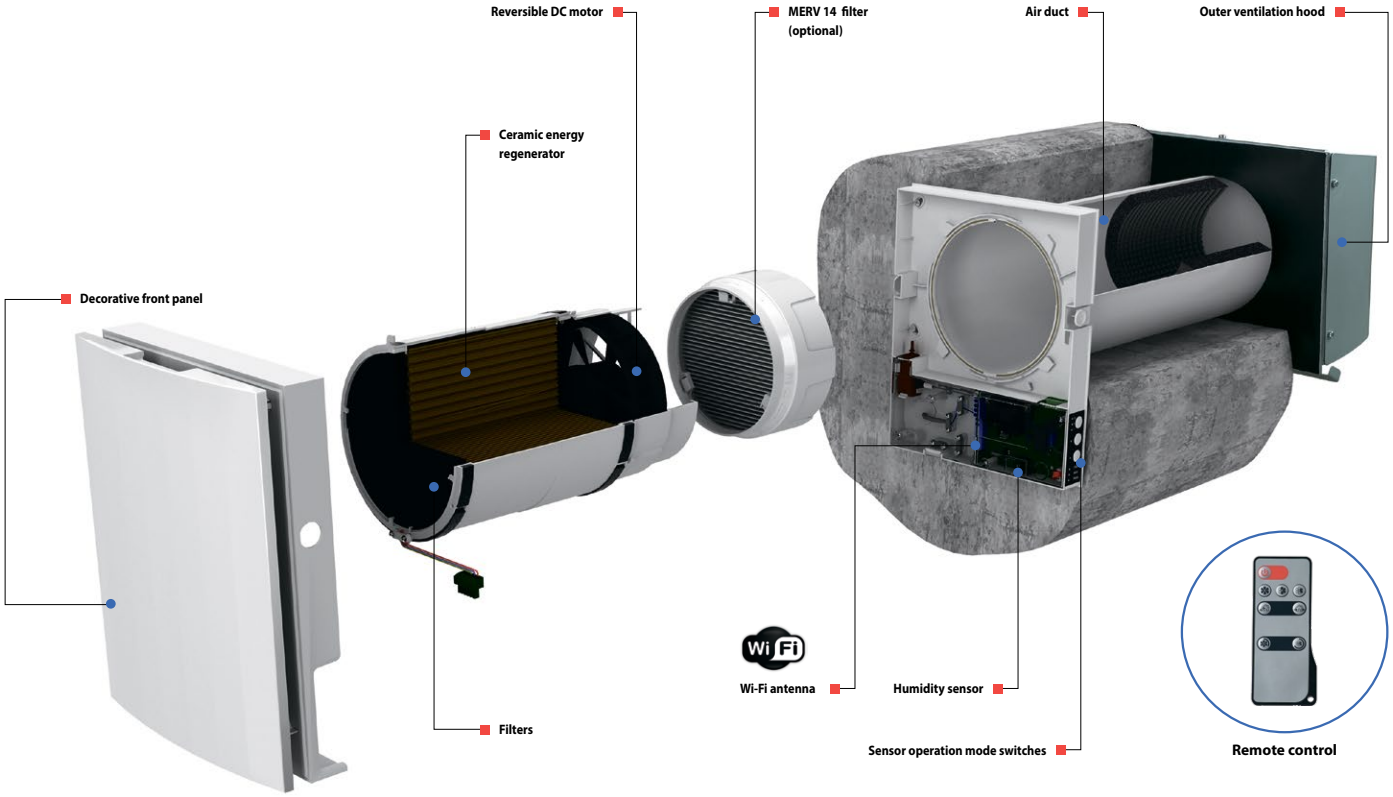
One TwinFresh Expert unit in the ventilation mode can serve rooms up to 500 sq.ft. In accordance with the ANSI/ASHRAE Standard 62.2-2016.

Extra Accessories

Accessory image	Accessory name	Description	In stock
	EH-2 160	Stainless steel outer hood for extra thin (5 7/8") walls	✓
	EH-20 160	Stainless steel outer hood for extra thin (4") walls	Special order
	KV TwinFresh Expert RW	Wi-Fi controlled control panel	Special order
	SF TwinFresh Expert R-50 F7	Option: MERV 13 Filter (1 piece) *(MERV13 Reduces the air flow down to 24 CFM when installed.)*	✓
	SF TwinFresh R50 G3	MERV5 filter set (2 pcs.)	✓
	Duct 160-500	Air duct 19 3/4"	✓
	RC TwinFresh Expert_1	Remote control	✓
	CO2-2	CO_2 sensor with a LED CO_2 concentration indicator and a touch button to switch the CO_2 sensor operation mode	✓

TWINFRESH EXPERT | REVERSIBLE DC MOTOR

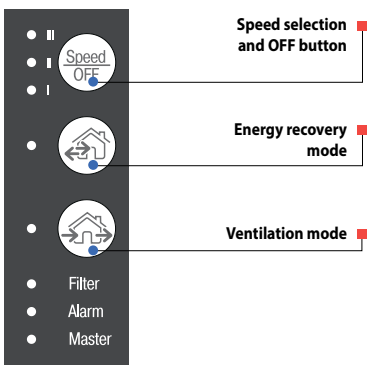
Air is supplied or exhausted by a reversible axial fan with a DC motor. Its DC technology ensures low energy consumption, operating safely at 12V. The motor includes integrated overheating protection and high quality ball bearings for a long service life.



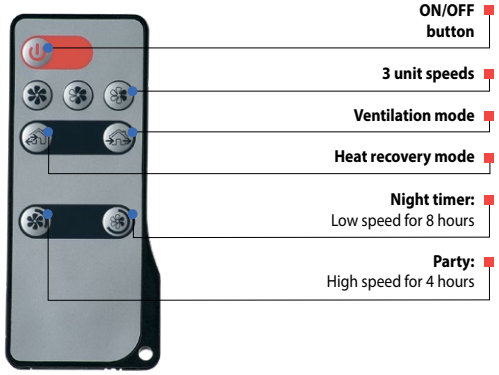
CONTROL OPTIONS

The ventilator is controlled means of:

control panel



remote control

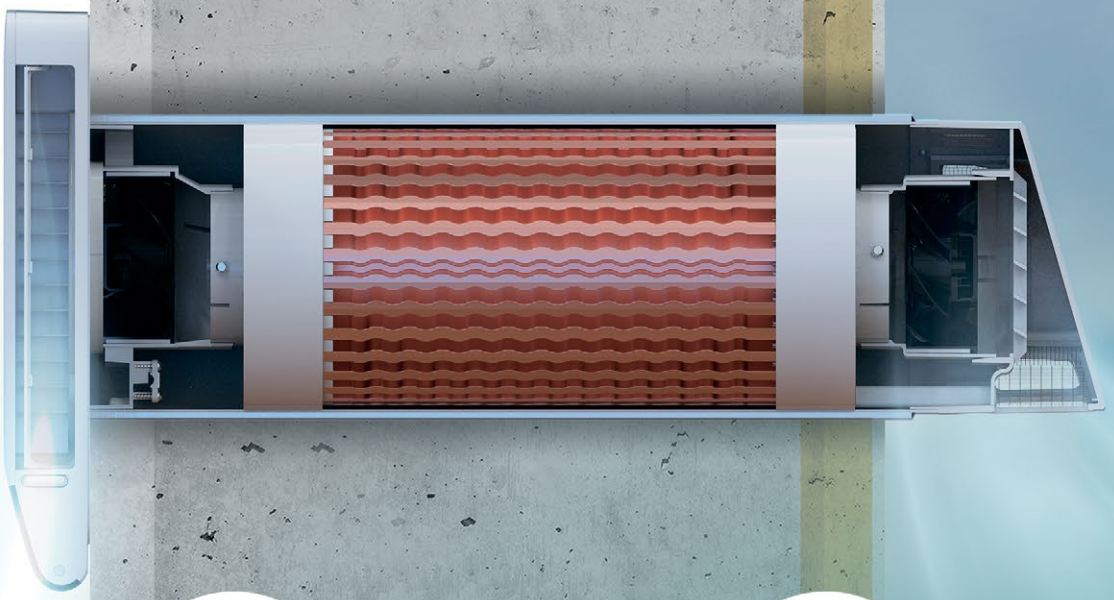


smartphone application

VENTS-US

TwinFresh **Elite**

Smart HRV/ERV units for single-room ventilation



Cleans Air

Ultra Quiet

Warm Ventilation

Controls Mold

Humidity Control

Smart Operation

Healthier Sleep

Modern Design

TWINFRESH ELITE

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **41** CFM
- Recovery efficiency: up to **88** %
- Sound level @10 ft: **0.3–3.4** Sones

Model	Speed	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	Recovery Efficiency [%]	Min wall thickness	Heat exchanger material	Filter	Ingress Protection	Volt/Hz
TwinFresh Elite 160 (Pro)	1	0.3	5	0.03	9	max. 88	9 7/16" (240 mm)	Copper	MERV5	IP24	1~100–240/ 50–60
	2	1.5	12	0.07	21						
	3	2.9	22	0.10	29						
TwinFresh Elite 200 (Pro)	1	0.4	5	0.03	9	max. 85	9 7/16" (240 mm)	Copper	MERV5	IP24	1~100–240/ 50–60
	2	2.0	12	0.07	29						
	3	3.4	22	0.10	41						

TWINFRESH ELITE CERAMIC

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **47** CFM
- Recovery efficiency: up to 92 %
- Sound level @10 ft: **0.3–1.9** Sones

Model	Speed	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	Recovery Efficiency [%]	Heat exchanger material	Filter	Ingress Protection	Volt/Hz
TwinFresh Elite Ceramic 160	1	0.3	3	0.03	6	max. 88	Ceramic	MERV5	IP24	1~100–240/ 50–60
	2	0.6	5	0.06	18					
	3	1.9	8	0.09	28					

TWINFRESH ELITE 160 PRO

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **29** CFM
- Recovery efficiency: up to **88** %
- Sound level @10 ft: **0.3–2.9** Sones

Model	Speed	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	Recovery Efficiency [%]	Heat exchanger material	Filter	Ingress Protection	Volt/Hz
TwinFresh Elite 160 Pro	1	0.3	5	0.03	9	max. 88	Copper	MERV5	IP24	1~100–240/ 50–60
	2	1.5	12	0.07	21					
	3	2.9	22	0.10	29					

TWINFRESH ELITE 200 PRO

Single-Room Energy Recovery Ventilator with Wi-Fi

- Air flow capacity: up to **41** CFM
- Recovery efficiency: up to **88** %
- Sound level @10 ft: **0.4–3.4** Sones

Model	Speed	Sones @10 ft.	Watts	Amps	CFM in the Ventilation Mode*	Recovery Efficiency [%]	Heat exchanger material	Filter	Ingress Protection	Volt/Hz
TwinFresh Elite 200 Pro	1	0.4	5	0.03	9	max. 85	Copper	MERV5	IP24	1~100–240/ 50–60
	2	2.0	12	0.07	29					
	3	3.4	22	0.10	41					

Extra Accessories

	TF Elite 160	TF Elite 200	TF Elite Ceramic 160	TF Elite Ceramic 160-E
Internal compensator pad	CPSO-40 TF Elite 160 CSPO-80 TF Elite 160 CPSO-120 TF Elite 160 CPSO-160 TF Elite 160 CPSO-200 TF Elite 160			
Metal cuff for outdoor installation	MPS TF Elite 160	MPS TF Elite 200	MPS TF Elite 160	MPS TF Elite 160
Filter G3	VENTS SF 35x180 G3 2			
Filter G4	VENTS SF 35x180 G4 2			
Filter G4 + Carbon	VENTS SF 35x180 G4 C 2			
KLW - kit for large walls	KLW TF Elite Eco 160 L055			
KLW - kit for large walls	KLW Breezy Eco 160 L07			
KLW - kit for large walls	KLW TF Elite Eco 160 L1			
Remote control	Vents FB TF Elite		Vents FB TF Elite Eco	

MICRA 100 WIFI (FRESHBOX 100 WIFI)

Single-Room Heat/Energy Recovery Ventilators

- Air flow capacity: up to **59** CFM
- Recovery efficiency: up to **98** %
- Sound level: **0.25–1.75** Sones

Model	Speed	Watts	Amps	RPM	Air Capacity [CFM]	Recovery Efficiency [%]	Sones	Heat Insulation Thickness [in]	Filter Exhaust/ Supply	Transported Air Temperature [°F]	Volt/Hz
Micra 100 WiFi (Freshbox 100 WiFi)	1	20	0.4	max. 2200	18	98	0.25	2/5"	MERV8/ MERV8 and MERV14 (Option: MERV14 Carbon, HEPA Filter)	+13...+122	1~110–240/ 50–60
	2	23			26	95	0.38				
	3	29			35	92	0.50				
	4	37			44	90	1.13				
	5	53			59	89	1.75				
MICRA 100 ERV WIFI (FRESHBOX 100 ERV WIFI)	1	20			18	96	0.25	2/5"		+13...+122	1~110–240/ 50–60
	2	23			26	94	0.38				
	3	29			35	89	0.50				
	4	37			44	85	1.13				
	5	53			59	83	1.75				

Extra Accessories

Accessory image	Accessory name	Description	In stock
	MS Freshbox 100 white	Mounting kit: Two Ø 4" air ducts, 19 3/4" long; Ventilation outer hood, painted white; Cardboard template	✓
	FP 193x158x18 G4	PPI MERV8 Exhaust Filter	✓
	FP 193x158x18 G4	PPI MERV8 Supply Filter	✓
	FP 193x158x47 F8	MERV14 Supply Filter	✓
	FP 193x158x47 F8 C	MERV14 Carbon Filter *(MERV14 Carbon Filter Reduces the air flow down to 47 CFM when installed.)*	Special order
	FP 193x158x47 H13	HEPA Filter type C *(HEPA Filter Reduces the air flow down to 47 CFM when installed.)*	✓
	HR-S	Humidity sensor	✓
	CO2-2	CO_2 sensor with a LED CO_2 concentration indicator and a touch button to switch the CO_2 sensor operation mode	✓

MICRA 60

Single-Room Heat Recovery Ventilator

- Air flow capacity: up to **35.3** CFM
- Recovery efficiency: up to **79** %
- Sound level: **0.38–1.0** Sones

Control panel
P3-1-300

Model	Speed	Watts	Amps	Air Capacity [CFM]	RPM	Recovery Efficiency [%]	Sones	Heat Insulation Thickness [in]	Filter: Exhaust/Supply	Ingress Protection	Volt/Hz
Micra 60	1	4.2	0.02	17.7	1165	79	0.38	1/2"	MERV6/ MERV6	IP22	1~100–240/ 50–60
	2	9.6	0.04	26.5	1720	74	0.42				
	3	15.4	0.07	35.3	2685	70	1.0				

Extra Accessories

Accessory image	Accessory name	Description	In stock
	MK2 Micra 60 mounting kit	Two plastic air duct 5" -19 ¾" long; paper master plate; outer ventilation kit Twin Hood	✓
	Control panel P3-1-300	Three-position speed switch	✓
	SF 216x147x10 G4	MERV6 Exhaust Filter	Special order
	SF 279x88x10 G4	MERV6 Supply Filter	Special order

MICRA 150

Single-Room Energy Recovery Ventilator

- Air flow capacity: up to **71** CFM
- Recovery efficiency: up to **88** %
- Sound level: **1-1.8** Sones

Model	Speed	Watts	Amps	Air Capacity [CFM]	RPM	Recovery Efficiency [%]	Sones	Pipe Diameter [in]	Heat Insulation Thickness [in]	Filter: Exhaust/ Supply	Replacement Filter Kit	Weight [lb]	Volt/Hz
Micra 150	1	8	0.07	35	450	88	1	5"	3/8"	MERV8/ MERV8	SF Micra 150	44.09	120/60
	2	27		53	780	87	1.3						
	3	51		71	2000	85	1.8						

Extra Accessories

Accessory image	Accessory name	Description	In stock
	MK Micra 150 mounting kit	Two plastic air ducts (Ø 5", 19 3/4"); double metal outer ventilation hood	✓
	LCD Control panel	Built-in LCD control panel	Special order
	Remote control	Remote control	✓
	SF 205x160x20 G4	MERV8 Supply Filter	✓
	SF 123x123x5 G4	MERV8 Exhaust Filter	✓

DVUT HB EC/DVUE HB EC

Commercial Single-Room Heat/Energy Recovery Ventilator

- Air flow capacity: up to **341** CFM
- Recovery efficiency: up to **94** %
- Sound level: **0.36-0.4** Sones

Controls:

A14

A21

Wired remote control panel

Model	Watts	Amps	RPM	Recovery Efficiency [%]	Sones	Weight [lb]	Transported Air Temperature [°F]	Filter* Exhaust	Filter* Supply	Volt/Hz
DVUT 300 HB EC	125	0.9	2150	from 78 to 92	0.36	304±3 %	-13...+104	MERV 8 x2	MERV8+MERV14 (Option: MERV 14 Carbon, HEPA Filter)	1~120/50–60
DVUE 300 HB EC	125	0.9	2150	from 73 to 89	0.36	300±3 %				
DVUT 500 HB EC	230	1.7	1280	from 75 to 94	0.4	421±3 %				1~230/50-60

Extra Accessories

Accessory image	Accessory name	DVUT 300 HB EC A14 DVUE 300 HB EC A14	DVUT 500 HB EC A14	DVUT 300 HB EC A21 DVUE 300 HB EC A21	DVUT 500 HB EC A21
	Outer ventilation hood made of white coated stainless steel	NB DVUT 300 HB white	NB DVUT 500 HB white	NB DVUT 300 HB white	NB DVUT 500 HB white
	Outer ventilation hood made of brushed stainless steel	NB DVUT 300 HB chrome	NB DVUT 500 HB chrome	NB DVUT 300 HB chrome	NB DVUT 500 HB chrome
	G4 cassette filter	SF 308x238x22 G4 PPI	SF 450x257x27 G4 PPI	SF 308x238x22 G4 PPI	SF 450x257x27 G4 PPI
	G4 cassette filter	SF 265x213x48 G4	SF 318x290x22 G4	SF 265x213x48 G4	SF 318x290x22 G4
	F8 cassette filter	SF 384x273x60 F8	SF 318x290x60 F8	SF 384x273x60 F8	SF 318x290x60 F8
	F8 Carbon cassette filter	SF 533x135x48 F8 C	SF 666x196x48 F8 C	SF 533x135x48 F8 C	SF 666x196x48 F8 C
	H11 cassette filter	SF 533x135x60 H11	SF 666x196x60 H11	SF 533x135x60 H11	SF 666x196x60 H11
	VOC sensor (0-10V)	–	–	DPWQ30600	
	CO_2 sensor (0-10V)	–	–	DPWQ40200	
	Humidity sensor (0-10V)	–	–	DPWC11200	

MERV 14 C Reduces the air flow down to 176 CFM when installed.

All accessories are available for special order

FRIGATE

Residential Heat and Energy Recovery Ventilators

www.vents-us.com

AIR FLOW

Up to 189 CFM

CASING

Durable steel casing, compact design allows installation inside ceilings with less than 9 5/8" clearance

CONSTANT FLOW

Built-in CONSTANT FLOW technology keeps the airflow in supply and exhaust air ducts constant automatically.
No manual balancing needed!

ENERGY EFFICIENCY

Sensible Recovery Efficiency is up to 73%

SILENT OPERATION

From 1.4 Sones

RECIRCULATION DEFROST

Energy efficient frost prevention by recirculation defrost cycle.
Defrost system is activated when the outdoor temperature falls below 23`F (-5`C)

VENTS-US

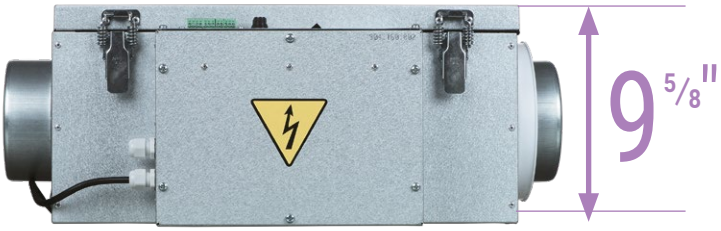
DESCRIPTION

Heat and Energy recovery ventilators are complete whole house ventilation systems designed to bring continuous supply of fresh air into premises while exhausting equal amount of stale air.

Main Features

- Air flow rate up to 189 CFM provides effective ventilation easily overcoming high pressure in duct systems
- Cross flow core ensures up to 79% Sensible Recovery Efficiency
- Built-in control board enables independent speed adjustment of supply and exhaust fans ranging from 0% to 100%
- Fast and simple mounting process thanks to brackets system. Bracket system allows fast and simple mounting
- Automatic recirculation damper (R option) for effective cold protection
- No drain needed (ERV)

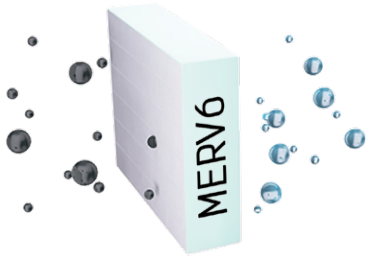
SUPER SLIM CASING



- Super slim steel casing - only 9 5/8" thick!
- Perfect solution for in-ceiling installation.
- Corrosion-resistant alloy with high-quality multilayer aluminium and zinc.

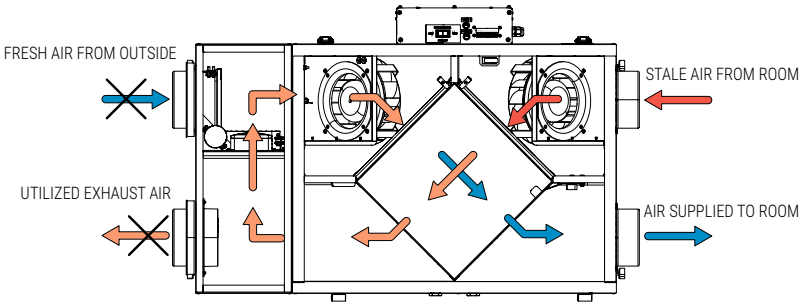
FILTER

- Washable MERV6 air filters in exhaust and supply air streams
- Optional supply: anti-grease aluminum filter



DEFROST SYSTEM

- Energy efficient frost prevention by pressure-neutral recirculation mode. Defrost system is activated when the outdoor temperature falls below 23° F (-5° C)
- Recirculation defrost HRV/ERV 80/120/150 R EC
- Fan stop defrost HRV/ERV 80/120/150 EC



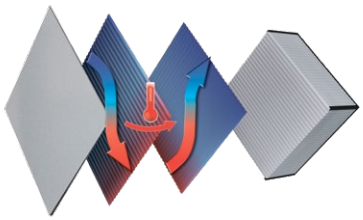
CONTROL

Frigate recovery ventilators feature integrated automation and control system with the following functions:

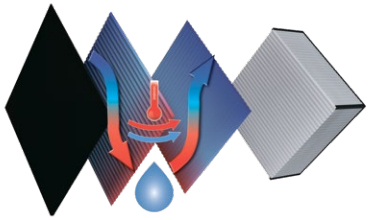
- Operation mode switch
- Independent speed adjustment of supply and exhaust fans ranging from 0% to 100%
- Automatic recovery core frost protection

HEAT/ENERGY RECOVERY CORE

Polystyrene cross-flow core (for heat recovery units) ensures efficient heat recovery.



Enthalpy core (for energy recovery units) provides both heat&humidity recovery.
For enthalpy core no drain required.



FANS

Frigate ERV/HRV 80/150 (R) EC equipped with high efficient electronically commutated motors with external motor and backward curved impeller. EC motors are featured with high performance and total speed controllable range. The electric motors and impellers are dynamically balanced. Thermal overheating protection.

Frigate ERV/HRV 80/150 (R) equipped with supply and exhaust centrifugal fans with backward curved blades and build-in thermal overheating protection with automatic restart. The electric motors and impellers are dynamically balanced.

Frigate ERV/HRV 120 (R) EC units are equipped with high efficient electronically commutated motors with external motor and forward curved impeller.
EC motors are featured with high performance and total speed controllable range. The electric motors and impellers are dynamically balanced.

Frigate ERV/HRV 120(R) units are equipped with supply and exhaust centrifugal fans with forward curved blades and build-in thermal overheating protection with automatic restart.
The electric motors and impellers are dynamically balanced.

CONSTANT FLOW (CF OPTION)

Frigate recovery ventilators feature an automatic constant air flow control function to keep the air flow in supply and exhaust air ducts constant even in case of variable air resistance. **No manual balancing needed!** This function is provided with the integrated air flow control units. The electronic sensors convert the actual air flow to the analogue signal that is proportional to the air flow in the air duct. These signals are transmitted to the controller that manages the rotation speed of a respective fan in such a way that the actual rotations speed is equal to the set value.

MANUAL BALANCING

Manual balancing is a standard balancing system. The fan speed is manually adjusted by using the control panel. (Built-in control panel with independent fan speed adjustment 0%-100%).

FRIGATE ERV 80

Energy Recovery Ventilator

- Air flow capacity: up to **87** CFM
- Recovery efficiency: up to **64** %
- Sound level: **1.4** Sones

Controls:

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	40	85	41	87	39	83	72	1.4	MERV6/ MERV6	Enthalpy core	5"
50	0.2	36	76	36	76	34	72	72				
75	0.3	31	66	31	66	28	59	72				
100	0.4	25	53	26	55	22	47	71				
125	0.5	20	42	20	42	17	36	70				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	20	43	38	64	70	0.36
	II	0	+32	24	51	42	64	70	0.33
	III	0	+32	28	59	48	63	68	0.31
COOLING	I	+35	+95	20	43	40			0.36
	II	+35	+95	24	51	48			0.32

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 24"x24"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 80R

Energy Recovery Ventilator

- Air flow capacity: up to **100** CFM
- Recovery efficiency: up to **65** %
- Sound level: **1.4** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	44	93	47	100	41	87	69	1.4	MERV6/ MERV6	Enthalpy core	5"
50	0.2	39	83	42	89	35	74	69				
75	0.3	34	72	36	76	29	61	68				
100	0.4	29	61	31	66	23	49	67				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	19	40	40	65	72	0.52
	II	0	+32	22	47	46	63	69	0.53
	III	0	-13	24	51	64	41	43	0.34
COOLING	I	+35	+95	23	49	50			0.43

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 120

Heat Recovery Ventilator

- Air flow capacity: up to **146** CFM
- Recovery efficiency: up to **60** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	67	142	69	146	64	136	158	1.9	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	65	138	67	142	62	131	157				
75	0.3	63	134	65	138	60	127	156				
100	0.4	62	132	64	136	58	123	155				
125	0.5	60	127	62	131	56	119	153				
150	0.6	58	123	60	127	54	114	152				
175	0.7	56	119	58	123	52	110	151				
200	0.8	53	113	55	117	50	106	149				
225	0.9	51	109	53	112	47	100	148				
250	1	48	101	49	104	44	93	146				
275	1.1	44	92	45	95	40	85	143				
300	1.2	40	84	41	87	34	72	141				
325	1.3	30	64	31	66	26	55	135				
350	1.4	17	37	18	38	15	32	130				
375	1.5	10	21	10	21	8	17	128				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	30	64	86	60	70	0.05
	II	0	+32	45	95	114	57	67	0.04
	III	0	+32	50	106	126	55	65	0.04
	IV								
	V								
				**Total Recovery Efficiency					
COOLING	VI	+35	+95	30	64	86	29**	61	0.04

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 120R

Heat Recovery Ventilator

- Air flow capacity: up to **146** CFM
- Recovery efficiency: up to **60** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	67	142	69	146	64	136	158	1.9	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	65	138	67	142	62	131	157				
75	0.3	63	134	65	138	60	127	156				
100	0.4	62	132	64	136	58	123	155				
125	0.5	60	127	62	131	56	119	153				
150	0.6	58	123	60	127	54	114	152				
175	0.7	56	119	58	123	52	110	151				
200	0.8	53	113	55	117	50	106	149				
225	0.9	51	109	53	112	47	100	148				
250	1	48	101	49	104	44	93	146				
275	1.1	44	92	45	95	40	85	143				
300	1.2	40	84	41	87	34	72	141				
325	1.3	30	64	31	66	26	55	135				
350	1.4	17	37	18	38	15	32	130				
375	1.5	10	21	10	21	8	17	128				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	30	64	86	60	70	0.05
	II	0	+32	45	95	114	57	67	0.04
	III	0	+32	50	106	126	55	65	0.04
	IV								
	V	-25	-13	31	65	85	60	64	0.03
				**Total Recovery Efficiency					
COOLING	VI	+35	+95	30	64	86	29**	61	0.04

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 120

Energy Recovery Ventilator

- Air flow capacity: up to **130** CFM
- Recovery efficiency: up to **67** %
- Sound level: **1.5** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	60	127	61	129	61	129	139	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	58	123	59	125	59	125	135				
75	0.3	56	119	57	121	57	121	135				
100	0.4	54	114	55	117	55	117	132				
125	0.5	52	110	53	112	53	112	129				
150	0.6	50	106	52	110	51	108	128				
175	0.7	48	102	49	104	49	104	124				
200	0.8	46	97	47	100	47	100	121				
225	0.9	43	91	44	93	44	93	118				
250	1	40	85	40	85	41	87	114				

Mode	Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
	°C	°F	L/s	CFM	Watts	%	%	
HEATING	0	+32	24	51	64	67	75	0.64
COOLING	+35	+95	24	51	64			0.50

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 120R

Energy Recovery Ventilator

- Air flow capacity: up to **138** CFM
- Recovery efficiency: up to **68** %
- Sound level: **1.5** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	64	136	65	138	66	140	143	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	62	131	63	133	63	133	140				
75	0.3	59	125	61	129	60	127	136				
100	0.4	57	121	59	125	58	123	133				
125	0.5	55	117	57	121	56	119	130				
150	0.6	53	112	54	114	53	112	127				
175	0.7	51	108	52	110	50	106	125				
200	0.8	49	104	50	106	48	102	122				
225	0.9	46	97	47	100	45	95	118				
250	1	43	91	44	93	41	87	114				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	24	51	64	68	76	0.66
	II	-25	-13	25	51	97	50	54	0.46
COOLING	I	+35	+95	24	51	62			0.54

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 150

Heat Recovery Ventilator

- Air flow capacity: up to **166** CFM
- Recovery efficiency: up to **64** %
- Sound level: **2.1** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	76	161	79	166	71	149	192	2.1	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	73	154	75	159	67	142	192				
75	0.3	68	145	71	149	64	135	191				
100	0.4	65	137	67	141	60	127	191				
125	0.5	60	127	62	131	56	119	191				
150	0.6	56	119	58	123	52	110	190				
175	0.7	52	110	54	113	48	102	189				
200	0.8	48	101	49	104	44	93	188				
225	0.9	38	81	44	93	40	84	187				
250	1	34	72	39	83	35	74	186				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	31	65	97	64	79	0.05
	II	0	+32	44	94	124	62	76	0.05
	III	0	+32	49	104	134	60	74	0.05
	IV								
	V								
				**Total Recovery Efficiency					
COOLING	VI	+35	+95	30	64	97	31.1**	64	0.04

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 150R

Heat Recovery Ventilator

- Air flow capacity: up to **166** CFM
- Recovery efficiency: up to **64** %
- Sound level: **2.1** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	76	161	79	166	71	149	192	2.1	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	73	154	75	159	67	142	192				
75	0.3	68	145	71	149	64	135	191				
100	0.4	65	137	67	141	60	127	191				
125	0.5	60	127	62	131	56	119	191				
150	0.6	56	119	58	123	52	110	190				
175	0.7	52	110	54	113	48	102	189				
200	0.8	48	101	49	104	44	93	188				
225	0.9	38	81	44	93	40	84	187				
250	1	34	72	39	83	35	74	186				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	31	65	97	64	79	0.05
	II	0	+32	44	94	124	62	76	0.05
	III	0	+32	49	104	134	60	74	0.05
	IV								
	V								
				**Total Recovery Efficiency					
COOLING	VI	+35	+95	30	64	97	31.1**	64	0.04

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 150

Energy Recovery Ventilator

- Air flow capacity: up to **179** CFM
- Recovery efficiency: up to **66** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	84	178	85	180	83	176	189	1.9	MERV6/ MERV6	Enthalpy core	5"
50	0.2	79	167	80	170	79	167	189				
75	0.3	75	159	76	161	74	157	186				
100	0.4	71	150	72	153	69	146	185				
125	0.5	67	142	67	142	64	136	183				
150	0.6	62	131	63	133	60	127	181				
175	0.7	58	123	58	123	55	117	179				
200	0.8	53	112	53	112	50	106	176				
225	0.9	48	102	49	104	46	97	174				
250	1	43	91	43	91	41	87	171				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	31	66	102	66	76	0.50
	II	0	+32	46	97	130	63	72	0.50
	III	0	+32	50	106	138	63	71	0.41
	IV								
	V								
COOLING	I	+35	+95	31	66	100			0.34
	II	+35	+95	46	97	132			0.31

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 150R

Energy Recovery Ventilator

- Air flow capacity: up to **179** CFM
- Recovery efficiency: up to **66** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	84	178	85	180	83	176	189	1.9	MERV6/ MERV6	Enthalpy core	5"
50	0.2	79	167	80	170	79	167	189				
75	0.3	75	159	76	161	74	157	186				
100	0.4	71	150	72	153	69	146	185				
125	0.5	67	142	67	142	64	136	183				
150	0.6	62	131	63	133	60	127	181				
175	0.7	58	123	58	123	55	117	179				
200	0.8	53	112	53	112	50	106	176				
225	0.9	48	102	49	104	46	97	174				
250	1	43	91	43	91	41	87	171				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
		°C	°F	L/s	CFM	Watts	%	%	
HEATING	I	0	+32	31	66	102	66	76	0.50
	II	0	+32	46	97	130	63	72	0.50
	III	0	+32	50	106	138	63	71	0.41
	IV								
	V								
COOLING	I	+35	+95	31	66	100			0.34
	II	+35	+95	46	97	132			0.31

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 80 EC

Energy Recovery Ventilator

- Air flow capacity: up to **88** CFM
- Recovery efficiency: up to **73** %
- Sound level: **1.4** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	38	81	40	84	42	88	61	1.4	MERV6/ MERV6	Enthalpy core	5"
50	0.2	35	74	36	76	38	81	61				
75	0.3	32	67	33	69	35	74	61				
100	0.4	29	61	30	63	31	65	60				
125	0.5	26	54	26	56	27	57	61				
150	0.6	22	46	23	48	22	47	60				
175	0.7	17	37	18	38	17	36	58				
200	0.8	12	26	13	27	12	26	59				
225	0.9	8	16	7	14	8	17	55				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	20	42	25	73	82	0.46	1.72
	II	0	+32	25	53	38	69	79	0.47	1.38
	III	0	+32	30	63	49	68	78	0.45	1.30
	IV									
	V	-25	-13	20	42					
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	20	42	25	54.5**	72	0.49	1.72

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 24"x24"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 80R EC

Energy Recovery Ventilator

- Air flow capacity: up to **88** CFM
- Recovery efficiency: up to **73** %
- Sound level: **1.4** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	38	81	40	84	42	88	61	1.4	MERV6/ MERV6	Enthalpy core	5"
50	0.2	35	74	36	76	38	81	61				
75	0.3	32	67	33	69	35	74	61				
100	0.4	29	61	30	63	31	65	60				
125	0.5	26	54	26	56	27	57	61				
150	0.6	22	46	23	48	22	47	60				
175	0.7	17	37	18	38	17	36	58				
200	0.8	12	26	13	27	12	26	59				
225	0.9	8	16	7	14	8	17	55				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	20	42	25	73	82	0.46	1.72
	II	0	+32	25	53	38	69	79	0.47	1.38
	III	0	+32	30	63	49	68	78	0.45	1.30
	IV									
	V	-25	-13	20	42					
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	20	42	25	54.5**	72	0.49	1.72

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ130"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 120 EC

Heat Recovery Ventilator

- Air flow capacity: up to **195** CFM
- Recovery efficiency: up to **62** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	89	189	92	195	83	175	204	1.9	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	87	185	90	190	81	171	201				
75	0.3	85	180	88	185	79	167	200				
100	0.4	82	175	85	180	78	164	198				
125	0.5	80	169	82	175	76	161	196				
150	0.6	78	165	80	170	75	159	194				
175	0.7	76	160	78	165	74	157	193				
200	0.8	74	156	76	161	73	154	190				
225	0.9	68	144	74	156	70	149	188				
250	1	66	140	71	151	68	144	186				
275	1.1	64	135	69	145	66	139	183				
300	1.2	61	128	66	140	63	132	180				
325	1.3	57	121	63	134	59	125	176				
350	1.4	52	110	60	127	54	114	176				
375	1.5	43	91	55	117	44	94	164				
400	1.6	30	64	44	92	31	67	151				
425	1.7	17	35	18	37	17	36	132				
450	1.8	8	16	7	14	8	16	128				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	31	66	23	62	69	0.05	2.86
	II	0	+32	45	95	50	60	67	0.04	1.91
	III	0	+32	50	106	66	58	65	0.04	1.61
	IV									
	V	-25	-13							
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	31	66	23	37**	61	0.04	2.86

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 120R EC

Heat Recovery Ventilator

- Air flow capacity: up to **195** CFM
- Recovery efficiency: up to **62** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	89	189	92	195	83	175	204	1.9	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	87	185	90	190	81	171	201				
75	0.3	85	180	88	185	79	167	200				
100	0.4	82	175	85	180	78	164	198				
125	0.5	80	169	82	175	76	161	196				
150	0.6	78	165	80	170	75	159	194				
175	0.7	76	160	78	165	74	157	193				
200	0.8	74	156	76	161	73	154	190				
225	0.9	68	144	74	156	70	149	188				
250	1	66	140	71	151	68	144	186				
275	1.1	64	135	69	145	66	139	183				
300	1.2	61	128	66	140	63	132	180				
325	1.3	57	121	63	134	59	125	176				
350	1.4	52	110	60	127	54	114	176				
375	1.5	43	91	55	117	44	94	164				
400	1.6	30	64	44	92	31	67	151				
425	1.7	17	35	18	37	17	36	132				
450	1.8	8	16	7	14	8	16	128				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	31	66	23	62	69	0.05	2.86
	II	0	+32	45	95	50	60	67	0.04	1.91
	III	0	+32	50	106	66	58	65	0.04	1.61
	IV									
	V	-25	-13							
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	31	66	23	37**	61	0.04	2.86

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 36"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 120 EC

Energy Recovery Ventilator

- Air flow capacity: up to **165** CFM
- Recovery efficiency: up to **71** %
- Sound level: **1.5** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	76	161	78	165	78	164	174	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	74	157	76	161	76	161	174				
75	0.3	73	154	74	158	74	157	175				
100	0.4	71	150	73	154	73	154	175				
125	0.5	69	147	71	151	71	151	175				
150	0.6	68	144	70	148	70	148	175				
175	0.7	67	141	68	145	69	146	175				
200	0.8	65	139	67	142	68	143	175				
225	0.9	64	136	66	140	67	141	175				
250	1	63	134	65	137	65	139	175				

Mode	Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
	°C	°F	L/s	CFM	Watts	%	%		
HEATING	0	+32	23	49	18	71	73	0.17	2.78
COOLING	+35	+95	23	49	18			0.24	2.78

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 30"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 120R EC

Energy Recovery Ventilator

- Air flow capacity: up to **154** CFM
- Recovery efficiency: up to **71** %
- Sound level: **1.5** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	71	150	73	155	69	146	128	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	68	144	69	146	66	140	124				
75	0.3	66	140	67	142	63	133	119				
100	0.4	63	133	65	138	61	129	115				
125	0.5	61	129	63	133	58	123	111				
150	0.6	59	125	60	127	55	117	107				
175	0.7	56	119	58	123	52	110	101				
200	0.8	53	112	54	114	49	104	96				
225	0.9	48	102	49	104	44	93	89				
250	1	41	87	42	89	39	83	78				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	24	51	18	71	74	0.55	2.83
	II	0	+32	30	64	24	70	72	0.50	2.65
	III	0	+32	47	100	50	65	69	0.41	1.99
	IV									
	V	-25	-13	26	55	53	48	50	0.35	
COOLING	I	+35	+95	24	51	20			0.40	2.55
	II	+35	+95	30	64	26			0.41	2.46

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 36"x30"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 150 EC

Heat Recovery Ventilator

- Air flow capacity: up to **186** CFM
- Recovery efficiency: up to **69** %
- Sound level: **2.1** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	85	181	88	186	81	171	186	2.1	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	82	175	85	180	78	165	186				
75	0.3	80	169	82	174	75	159	186				
100	0.4	77	162	79	167	72	153	185				
125	0.5	74	156	76	161	70	147	185				
150	0.6	70	149	73	154	67	141	184				
175	0.7	67	142	69	146	64	135	184				
200	0.8	64	135	66	139	61	128	184				
225	0.9	55	117	62	131	57	121	183				
250	1	52	110	58	123	54	114	182				
275	1.1	49	104	54	115	51	107	181				
300	1.2	45	96	50	107	47	99	181				
325	1.3	42	88	46	97	43	91	180				
350	1.4	38	80	41	88	39	83	178				
375	1.5	34	73	37	78	36	75	176				
400	1.6	30	64	32	69	31	66	174				
425	1.7	26	54	28	58	27	56	172				
450	1.8	21	45	22	47	22	47	169				
475	1.9	16	35	17	36	17	36	166				
500	2	12	24	12	25	12	25	163				
525	2.1	6	14	7	14	7	14	159				
550	2.2	2	4	2	3	2	4	156				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	31	66	26	69	78	0.04	2.56
	II	0	+32	46	97	42	67	74	0.05	2.33
	III	0	+32	50	107	52	65	73	0.05	2.07
	IV									
	V	-25	-13							
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	31	66	25.8	40.2**	64	0.04	2.57

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE HRV 150R EC

Heat Recovery Ventilator

- Air flow capacity: up to **186** CFM
- Recovery efficiency: up to **69** %
- Sound level: **2.1** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	85	181	88	186	81	171	186	2.1	MERV6/ MERV6	Polystyrene cross-flow	5"
50	0.2	82	175	85	180	78	165	186				
75	0.3	80	169	82	174	75	159	186				
100	0.4	77	162	79	167	72	153	185				
125	0.5	74	156	76	161	70	147	185				
150	0.6	70	149	73	154	67	141	184				
175	0.7	67	142	69	146	64	135	184				
200	0.8	64	135	66	139	61	128	184				
225	0.9	55	117	62	131	57	121	183				
250	1	52	110	58	123	54	114	182				
275	1.1	49	104	54	115	51	107	181				
300	1.2	45	96	50	107	47	99	181				
325	1.3	42	88	46	97	43	91	180				
350	1.4	38	80	41	88	39	83	178				
375	1.5	34	73	37	78	36	75	176				
400	1.6	30	64	32	69	31	66	174				
425	1.7	26	54	28	58	27	56	172				
450	1.8	21	45	22	47	22	47	169				
475	1.9	16	35	17	36	17	36	166				
500	2	12	24	12	25	12	25	163				
525	2.1	6	14	7	14	7	14	159				
550	2.2	2	4	2	3	2	4	156				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	31	66	26	69	78	0.04	2.56
	II	0	+32	46	97	42	67	74	0.05	2.33
	III	0	+32	50	107	52	65	73	0.05	2.07
	IV									
	V	-25	-13							
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	31	66	25.8	40.2**	64	0.04	2.57

Avalible options:
___ – standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 150 EC

Energy Recovery Ventilator

- Air flow capacity: up to **186** CFM
- Recovery efficiency: up to **73** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	85	181	88	186	81	171	186	1.9	MERV6/ MERV6	Enthalpy core	5"
50	0.2	82	175	85	180	78	165	186				
75	0.3	80	169	82	174	75	159	186				
100	0.4	77	162	79	167	72	153	185				
125	0.5	74	156	76	161	70	147	185				
150	0.6	70	149	73	154	67	141	184				
175	0.7	67	142	69	146	64	135	184				
200	0.8	64	135	66	139	61	128	184				
225	0.9	55	117	62	131	57	121	183				
250	1	52	110	58	123	54	114	182				
275	1.1	49	104	54	115	51	107	181				
300	1.2	45	96	50	107	47	99	181				
325	1.3	42	88	46	97	43	91	180				
350	1.4	38	80	41	88	39	83	178				
375	1.5	34	73	37	78	36	75	176				
400	1.6	30	64	32	69	31	66	174				
425	1.7	26	54	28	58	27	56	172				
450	1.8	21	45	22	47	22	47	169				
475	1.9	16	35	17	36	17	36	166				
500	2	12	24	12	25	12	25	163				
525	2.1	6	14	7	14	7	14	159				
550	2.2	2	4	2	3	2	4	156				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	31	66	26	73	82	0.46	2.56
	II	0	+32	46	97	42	70	78	0.38	2.33
	III	0	+32	50	107	52	68	75	0.36	2.07
	IV									
	V	-25	-13	31	65	89	63	77	0.37	0.73
		**Total Recovery Efficiency								
COOLING	VI	+35	+95	31	66	26	50.1**	68	0.42	2.57

Avalible options:
___ – standard
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

FRIGATE ERV 150R EC

Energy Recovery Ventilator

- Air flow capacity: up to **186** CFM
- Recovery efficiency: up to **73** %
- Sound level: **1.9** Sones

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power	Sones	Filter Exhaust/ Supply	Recovery Core	Duct Dia.
				Supply		Exhaust						
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts				
25	0.1	85	181	88	186	81	171	186	1.9	MERV6/ MERV6	Enthalpy core	5"
50	0.2	82	175	85	180	78	165	186				
75	0.3	80	169	82	174	75	159	186				
100	0.4	77	162	79	167	72	153	185				
125	0.5	74	156	76	161	70	147	185				
150	0.6	70	149	73	154	67	141	184				
175	0.7	67	142	69	146	64	135	184				
200	0.8	64	135	66	139	61	128	184				
225	0.9	55	117	62	131	57	121	183				
250	1	52	110	58	123	54	114	182				
275	1.1	49	104	54	115	51	107	181				
300	1.2	45	96	50	107	47	99	181				
325	1.3	42	88	46	97	43	91	180				
350	1.4	38	80	41	88	39	83	178				
375	1.5	34	73	37	78	36	75	176				
400	1.6	30	64	32	69	31	66	174				
425	1.7	26	54	28	58	27	56	172				
450	1.8	21	45	22	47	22	47	169				
475	1.9	16	35	17	36	17	36	166				
500	2	12	24	12	25	12	25	163				
525	2.1	6	14	7	14	7	14	159				
550	2.2	2	4	2	3	2	4	156				

Mode		Supply Temperature		Net Air Flow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Fan Efficacy CFM/W
		°C	°F	L/s	CFM	Watts	%	%		
HEATING	I	0	+32	31	66	26	73	82	0.46	2.56
	II	0	+32	46	97	42	70	78	0.38	2.33
	III	0	+32	50	107	52	68	75	0.36	2.07
	IV									
	V	-25	-13	31	65	89	63	77	0.37	0.73
				**Total Recovery Efficiency						
COOLING	VI	+35	+95	31	66	26	50.1**	68	0.42	2.57

Avalible options:
– standard
R – w/recirculation defrost function
CF – w/ConstantFlow function (no manual balancing needed)
EC – w/Energy efficient electronically commutated motors

Extra Accessories

Accessory image	Accessory name	Description	In stock
	CO2 Sensor CO2-1	Controls	✓
	Humidity sensor (NO) HR-S	Controls	✓
	Timer A50	Controls	✓
	Control panel P3-1-300	Controls	✓
	Control panel	Controls	✓
	DMZ 610x610	Metal Access Doors	✓
	DMZ1 42"x26"	Metal Access Doors	✓
	MERV6 SF 250x158x10	Filters	✓

BRIG HRV 200/HRV 300

Heat Recovery Ventilator

- Air flow capacity: up to **213** CFM/**257** CFM
- Recovery efficiency: up to **70** %/**75** %
- Sound level: **2.1-2.2** Sones

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Control panel P3-1-300

Filters:

MERV6

Model	Duct Dia.	Max. Amps	Air Flow CFM [L/s]												Volt/Hz
			0.1" (25 Pa)	0.2" (50 Pa)	0.3" (75 Pa)	0.4" (100 Pa)	0.5" (125 Pa)	0.6" (150 Pa)	0.7" (175 Pa)	0.8" (200 Pa)	0.9" (225 Pa)	1.0" (250 Pa)	1.2" (275 Pa)	1.4" (300 Pa)	
HRV 200	6"	1.8	213 (101)	200 (94)	187 (88)	173 (82)	159 (75)	145 (68)	130 (61)	117 (55)	101 (48)	87 (41)	71 (34)	56 (26)	120/60
HRV 300	8"	3.8	257 (121)	239 (113)	223 (105)	207 (98)	190 (90)	175 (83)	162 (76)	151 (71)	139 (66)	129 (61)	118 (56)	107 (50)	120/60

Model	Mode	Temperature		Net Air Flow		Power Consumed	Sensible Recovery Efficiency	Apparent Sensible Effectiveness
		°C	°F	L/s	CFM	Watts	%	%
HRV 200	HEATING	0	+32	30	64	208	75	85
		0	+32	45	95	210	73	83
		0	+32	60	127	212	72	81
HRV 300	HEATING	0	+32	30	64	444	70	80
		0	+32	45	95	446	68	78
		0	+32	60	127	447	67	76

BRIG ERV 200/ERV 300

Energy Recovery Ventilators

- Air flow capacity: up to **213** CFM/**257** CFM
- Recovery efficiency: up to **79** %/**77** %
- Sound level: **2.1-2.2** Sones

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Control panel P3-1-300

Filters:

MERV6

Model	Duct Dia.	Max. Amps	Air Flow CFM [L/s]												Volt/Hz
			0.1" (25 Pa)	0.2" (50 Pa)	0.3" (75 Pa)	0.4" (100 Pa)	0.5" (125 Pa)	0.6" (150 Pa)	0.7" (175 Pa)	0.8" (200 Pa)	0.9" (225 Pa)	1.0" (250 Pa)	1.2" (275 Pa)	1.4" (300 Pa)	
ERV 200	6"	1.8	213 (101)	200 (94)	187 (88)	173 (82)	159 (75)	145 (68)	130 (61)	117 (55)	101 (48)	87 (41)	71 (34)	56 (26)	120/60
ERV 300	8"	3.8	257 (121)	239 (113)	223 (105)	207 (98)	190 (90)	175 (83)	162 (76)	151 (71)	139 (66)	129 (61)	118 (56)	107 (50)	120/60

Model	Mode	Temperature		Net Air Flow		Power Consumed	Sensible Recovery Efficiency	Apparent Sensible Effectiveness
		°C	°F	L/s	CFM	Watts	%	%
ERV 200	HEATING	0	+32	30	64	208	79	89
		0	+32	45	95	210	76	85
		0	+32	60	127	212	73	72
ERV 300	HEATING	0	+32	41	87	444	77	87
		0	+32	66	141	446	73	82
		0	+32	100	213	447	71	80

VUT/VUE 350 VB EC A14/A21/A22/A25

Heat Recovery Ventilator

- Air flow capacity: up to **266** CFM
- Recovery efficiency: up to **92** %
- Power consumption: **178** W

Model	RPM	Max. Watts	Max. Amps	Weight [lb]	Heat recovery efficiency [%]	Filter	Heat exchanger type	Transported Air Temp. [°F]	Volt/Hz
VUT 350 VB EC	3200	178	1.4	141	from 85 to 92	MERV8	counter-flow	-13…+104	1~230
VUE 350 VB EC	3200	178	1.4	141	from 73 to 91	MERV8	counter-flow	-13…+104	1~ 220-240

EC – w/Energy efficient electronically commutated motors

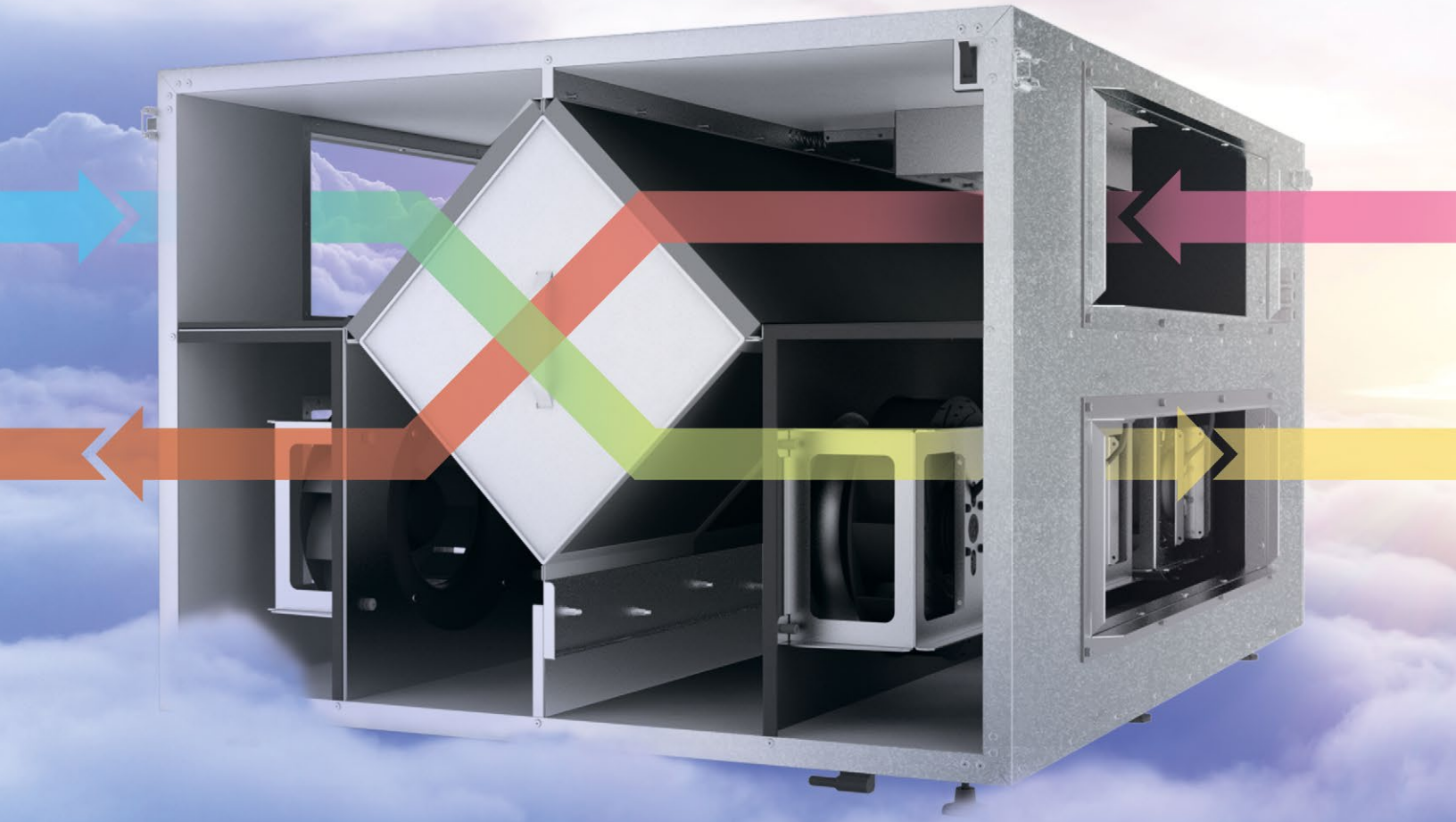
Extra Accessories

Accessory image	Accessory name	Description	In stock
	A14	Controls	✓
	A21	Controls	✓
	A25	Controls	✓
	MERV6	Filters	✓

IRF-150

- Air flow capacity: up to **266** CFM
- Recovery efficiency: up to **92** %
- Power consumption: **178** W

Model	Energy Star	Mode	RPM*	Duct dia	Watts*	Amps*	CFM vs. Static Pressure (Ps) in WG					Max. Ps	Volts / Hz
							0"	0.1"	0.2"	0.35"	0.5"		
IRF-150	V	exhaust	2351	6"	37,1	0,32	194	175	150	87	47	0,62	120 / 60
		supply	2371		37,7	0,34	204	183	160	120	70	0,7	



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The unit incorporates an integrated automation and control system

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Airlite units are equipped with supply and exhaust centrifugal fans featuring backward curved blades and built-in thermal overheating protection with automatic restart

DEFROST SYSTEM

Fan stop defrost system is activated when the outdoor temperature falls below 23° F

ENERGY EFFICIENCY

Unique polystyrene or enthalpy heat exchanger. Sensible recovery efficiency up to 63%

FILTER

MERV 8 air filters in exhaust and supply air streams

VENTS-US

AIRLITE ERV 5

Energy Recovery Ventilator

Air flow capacity: up to **855** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 5	1~120	450	3.76	50	325	855	+5...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	8×14	8×14

AIRLITE ERV 8

Energy Recovery Ventilator

Air flow capacity: up to **520** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 8	1~120	340	2.9	63	450	520	+5...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	8×14	8×14

AIRLITE ERV 13

Energy Recovery Ventilator

Air flow capacity: up to **1210** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 13	1~120	870	7.35	50	600	1210	+5...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	8×14	8×14

AIRLITE ERV 17

Energy Recovery Ventilators

Air flow capacity: up to **950** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 17	1~120	680	5.8	60	840	950	+5...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	1" styrofoam	8×20

AIRLITE ERV 25

Energy Recovery Ventilators

Air flow capacity: up to **1400** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 25	1~120	1020	8.7	58	1200	1400	+5...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	1" styrofoam	8×30

AIRLITE ERV 5 EC

Heat Recovery Ventilator

Air flow capacity: up to **490** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 5 EC	1~208	330	2.4	63	400	490	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×14

AIRLITE ERV 8 EC

Heat Recovery Ventilator

Air flow capacity: up to **650** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 8 EC	1~208	480	3.4	65	580	650	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×14

AIRLITE ERV 13 EC

Heat Recovery Ventilator

Air flow capacity: up to **800** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 13 EC	1~208	650	4.5	60	730	800	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×20

AIRLITE ERV 17 EC

Energy Recovery Ventilator

Air flow capacity: up to **1280** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 17 EC	1~208	940	10.5	58	1140	1280	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×20

AIRLITE ERV 25 EC

Energy Recovery Ventilator

Air flow capacity: up to **1800** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE ERV 25 EC	1~208	1385	13.4	55	1600	1800	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×30

AIRLITE HRV 5

Heat Recovery Ventilator

Air flow capacity: up to **855** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MER 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 5	1~120	450	3.76	50	325	855	-35...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	1" mineral wool	8×14

AIRLITE HRV 8

Heat Recovery Ventilator

Air flow capacity: up to **510** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 8	1~120	640	5.4	54	450	510	-35...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	1" mineral wool	8×14

AIRLITE HRV 13

Heat Recovery Ventilator

Air flow capacity: up to **1210** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 13	1~120	870	7.35	50	600	1210	-35...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	1" mineral wool	8×14

AIRLITE HRV 17

Energy Recovery Ventilator

Air flow capacity: up to **1135** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 17	1~120	1330	11.1	56	1000	1135	-35...+140	MERV8/ MERV8	galvanized steel, gauge 21	1" mineral wool	8×20

AIRLITE HRV 25

Energy Recovery Ventilator

Air flow capacity: up to **1785** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 25	1~120	2010	16.9	55	1600	1785	-35...+140	MERV 8/ MERV 8	galvanized steel, gauge 21	1" mineral wool	8×30

AIRLITE HRV 5 EC

Heat Recovery Ventilator

Air flow capacity: up to **520** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 5 EC	1~208	330	2.4	62	450	520	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×14

AIRLITE HRV 8 EC

Heat Recovery Ventilator

Air flow capacity: up to **680** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 8 EC	1~208	480	3.4	58	610	680	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×14

AIRLITE HRV 13 EC

Heat Recovery Ventilator

Air flow capacity: up to **850** CFM

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 13 EC	1~208	650	4.5	61	760	850	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×20

AIRLITE HRV 17 EC

Energy Recovery Ventilator

Air flow capacity: up to **1360** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 17 EC	1~208	940	10.5	53	1220	1360	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×20

AIRLITE HRV 25 EC

Energy Recovery Ventilator

Air flow capacity: up to **1950** CFM

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Filters:

MERV 8 Exhaust/ Supply

Model	Voltage [V/60 Hz]	Unit Power [W]	Unit Current [A]	Sensible Effectiveness @ Max. Air Flow [%]	Air Flow @ ESP 0.4" WG [CFM]	Air Flow Max. [CFM]	Transported Air Temperature [°F]	Filter: Exhaust/ Supply	Outer Skin Casing Material	Insulation	Connected Air Duct Size [in]
AIRLITE HRV 25 EC	1~208	1385	13.4	51	1700	1950	-35...+140	MERV 8/ MERV 8	21 gauge galvanized steel	1" mineral wool	8×30

AIR HANDLING UNITS (ERV/HRV)

AIRVENTS CFP
Ceiling-mounted units, 300-3500 CFM

AIRVENTS CFH
Double-deck units, 500–5300 CFM

AIRVENTS CFV
Low-footprint units with the vertical outlets, 500–3500 CFM

ERVs AND HRVs WITH ROTARY HEAT/ENERGY RECOVERY CORE

AIRVENTS RH
Double-deck units, 500–3500 CFM

AIRVENTS RV
Double-deck units, 500–3500 CFM

AIRVENTS RP
Ceiling-mounted units, 500–1500 CFM

MODULAR AIR HANDLING UNITS – AIRVENTS

MAIN FEATURES

- A counter flow plastic plate heat exchanger or a rotary heat exchanger, class H1 (DIN EN 13053)
- High-Efficiency EC fans featuring external rotor with backward curved impeller
- Integrated automatic dampers
- Integrated plug-and-play controls
- An automatic bypass
- An insulated double-skin frameless casing and with frame casing
- ECO-Design"18 compliant
- Web-interface, MODBUS, outputs for optional DX or Hydronic cooling/heating
- Optional set of Controls: silencers, VAV, CAV
- Exterior installation with outdoor mounting kit (optional)
- Operation by RH/CO_2/temperature/constant pressure/timer schedule

CONTROLS

The pGDe panel functions and optional features are listed below:

- Operation in the comfort, precomfort or economy mode
- Temperature control
- The weekly schedule setting: holiday and special day functions, selection of up to four daily time bands with the settings for each operating mode
- Coils and heat exchanger auto protection
- Air pressure control, Air flow and humidity control (by optional sensors)
- Air quality control (by optional CO2/IAQ sensors)
- The free-cooling or free-heating mode (according to a model)
- Pumps control, overload alarms and anti-blocking for each pump (according to a model)
- The MODBUS supervisor protocol and a user friendly WEB-interface via Ethernet port
- Parameters settings are divided by level (user, installer or manufacturer) with a password-protected access
- 3 adjustable fan speeds
- Priority to temperature or humidity control by room/supply/extract sensors

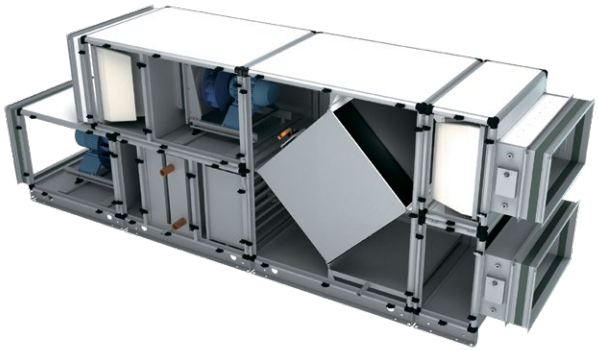
Basic user control th-Tune panel with basic functions:

- Three speeds (eco / pre-comfort / comfort mode)
- Temperature setting
- Weekly schedule
- Alarm indication/resetting

MAIN FEATURES

- AirVENTS air handling units are a complete solution for creating a fully compact and packaged ventilation system.
- This system is designed to create commercial solutions that are highly adaptable to meet customer requirements to the fullest extent possible
- Available in 14 standard sizes for the air capacity from 880 up to 75338 CFM.
- High flexibility allows creation of a non-standard arrangement of sections.
- Design optimization: unit can be arranged as a single block or in separate sections. Overall sizes of each section can be configurable.
- Plug fans with EC motors are used for projects that require high energy efficiency.
- Increased fire resistance, high quality insulation materials.
- Applications vary from offices and banks, movie theatres, gyms and swimming pools to hotels, larger residential/multifamily homes, industrial workshops, warehouses, supermarkets etc.

CASING TYPES

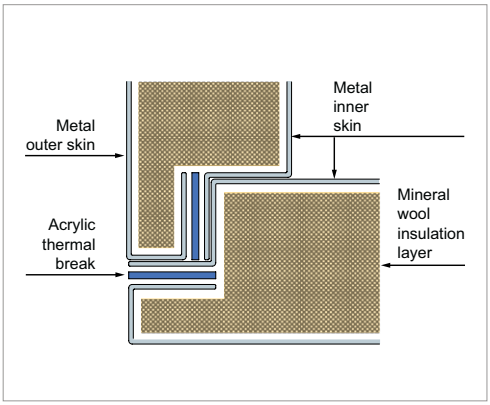


- The classic casing design is based on aluminum profile frame, joined with corners made of cast aluminum or reinforced nylon, provides high durability of the unit.
- Outer panel surface material:
  - Zinc-aluminium coating (standard)
  - Galvanized steel with polymeric coating (high corrosion resistance)
  - Galvanized steel (for internal execution units)

FRAMELESS CASING DESIGN

Frameless design casing system excludes thermal brigdes, usuall for aluminum or steel frame. This significantly increases thermal resistance and reduces heat loss, especially for outdoor installation. It also prevents condensation on the surface when air cooling is on. Casing panels made of sheet steel with a layer of 40 mm thermal and acoustic insulation from mineral wool.

- Better thermal resistance;
- Lower weight of the unit;
- No thermal bridges;
- Suitable for outdoor installation;
- Lower cost;
- Higher mechanical strength (compared to 30mm aluminum profile frame).



ROTARY HEAT EXCHANGER (MODELS RH, RV, RP)

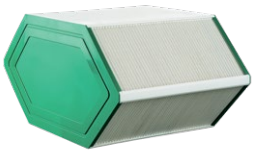
Rotary heat exchanger is made of two types of material:

- Sensible type (standard)
- Enthalpy type. Hygroscopic coating is applied on tape, providing additional latent heat transfer from one stream to another. This feature is especially useful when using a rotor in hot and humid areas in conjunction with air conditioning system.

The advantages are: high efficiency, keeping comfortable humidity and low risk of freezing.

PLATE HEAT EXCHANGER

Heat exchanger is made of profiled plastic plates, packed with elastic heat-resistant sealant.
The sealing provides a reliable separation of the supply and exhaust air, eliminating internal flows, and not allowing moisture, dirt, odors and microorganisms transfer between streams.
Bypass channel on heat exchanger with automatic Belimo actuator provides active frost protection, freeheating and freecooling functions.
Drain pan is installed under the heat exchanger on both supply and exhaust sides.



PLUG FANS WITH ELECTRONICALLY COMMUTATED MOTORS (EC MOTORS)

Plug fans with EC motors are used for projects that require high energy efficiency. The advantages of this type of fan are: extremely low power consumption at any speed, no need for external speed control and compact size due to motor with external rotor.

AC-PLUG FAN WITH BACKWARD CURVED IMPELLER (FOR MODULAR UNITS)

AC centrifugal fans are designed with external rotor motors to provide a compact design with reduced noise and optimum air flow.AC fans are used for system with high static pressure of air required for application.
AC fans are equipped with variable frequency drive.

FRAMELESS /WITH FRAME DESIGN

Frameless casing design excludes thermal bridges, usual for aluminum or steel frame.
This significantly increases thermal resistance and reduces heat loss, especially for outdoor installation. It also prevents condensation on the surface when air cooling is on. Casing is made of zinc-aluminum coated sheet steel heat- and sound-insulated with 1 9/16" mineral wool layer and with frame 1 31/32"

Benefits of frameless casing:

- Better thermal resistance
- Lower weight of the unit
- No thermal bridges
- Suitable for outdoor installation in cold climate
- High mechanical strength

AIR FILTERS

Units include the following filter elements:

- Panel-type pre filters, MERV5, and MERV8 class, in accordance to EN779. Filter depth 2 in. Reinforced with steel mesh. (Modular Units).
- Washable F7, G4 (optional) panel filters in exhaust and supply air streams (STANDARD UNITS).
- Bag Filters with pocket depth of 12 and 24 in., MERV5, MERV8, MERV13 or MERV16 class in accordance to EN779. (For unit size AV09 and bigger).
- High Efficiency Filters: EPA – filters (MERV16) and HEPA – filter classes H12-H14, in accordance with EN1822. (Modular Units).

All filters have easily removable cassettes that can quickly and easily be replaced.
In the case of two stages of filtration, unit contains a compact section in which panel and bag filters are installed close to each other Modular Units).

CONTROLS

Controls for HRVs/ERVs

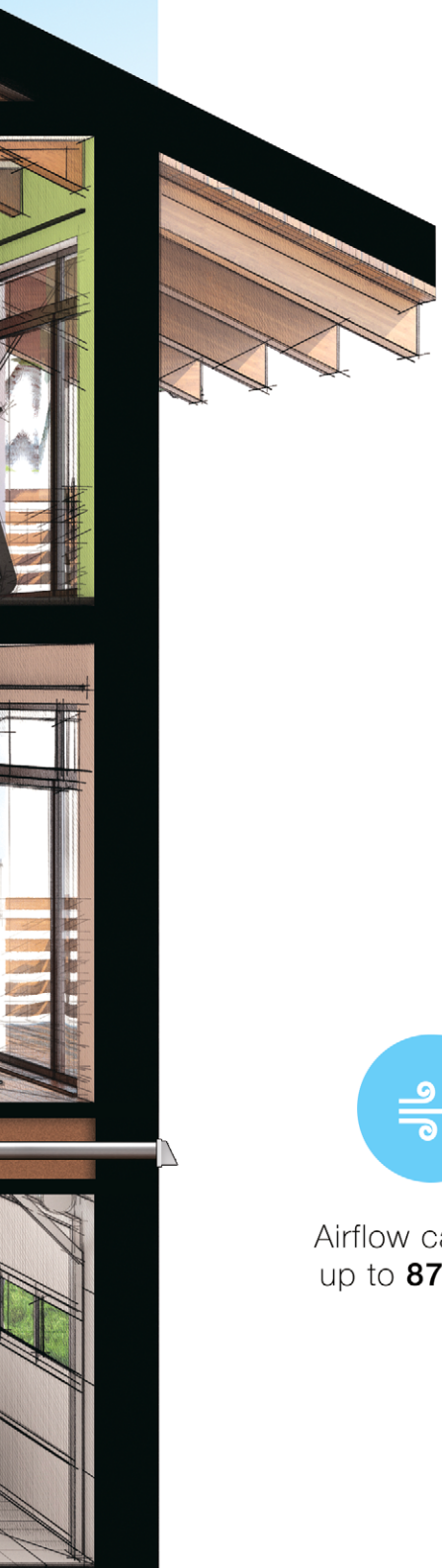
Our controls for Single-room, Residential and Commercial HRV/ERV models, allow you to easily create custom solutions for your application.

Controls compatibility	CO_2 Sensors CO2-1	Humidity sensor (NO) HR-S	Control panel P3-1-300	Control panel AC208EM2 +LP	Timer A50	Control panel pGDe
Products						
TwinFresh Expert RA1-50-2	+	+	-	-	-	-
TwinFresh Expert RW1-50-2 Wi-Fi	+	+	-	-	-	-
TwinFresh Elite 160 Ceramic	+	+	-	-	-	-
TwinFresh Elite 200 Ceramic	+	+	-	-	-	-
TwinFresh Elite Ceramic 160 E	+	+	-	-	-	-
Micra 100 WiFi (Freshbox 100 WiFi)	+	+	-	-	-	-
DVUT 300 HB EC A21	-	+	-	-	-	-
DVUT 500 HB EC A21	-	+	-	-	-	-
Brig HRV/ERV 200, 300	+	+	+	+	+	-
Frigate ERV 80R	+	+	+	+	+	-
Frigate HRV/ERV 120R	+	+	+	+	+	-
Frigate HRV/ERV 150R	+	+	+	+	+	-
Frigate ERV 80R EC	+	+	+	+	+	-
Frigate HRV/ERV 120R EC	+	+	+	+	+	-
Frigate HRV/ERV 150R EC	+	+	+	+	+	-
VUT/VUE 350 VB EC A21/A22/A25	+	+	-	-	-	-
AIRLITE HRV/ERV 8	+	+	+	+	+	-
AIRLITE HRV/ERV 17	+	+	+	+	+	-
AIRLITE HRV/ERV 25	+	+	+	+	+	-
AIRLITE HRV/ERV 8 EC	+	+	+	+	+	-
AIRLITE HRV/ERV 17 EC	+	+	+	+	+	-
AIRLITE HRV/ERV 25 EC	+	+	+	+	+	-
AIRVENTS RH	-	-	-	-	-	+
AIRVENTS RV	-	-	-	-	-	+
AIRVENTS RP	-	-	-	-	-	+
AIRVENTS CFP	-	-	-	-	-	+
AIRVENTS CFH	-	-	-	-	-	+
AIRVENTS CFV	-	-	-	-	-	+

APPLICATION

VK PS SERIES

Dryer Booster Exhaust Fans



- Makes dryers run more efficiently
- Saves energy by reducing drying times
- Limit lint and moisture problems

Airflow capacity:
up to **871 CFM**

Sound level:
2.3-4.3 Sones

Power consumption:
106–269 W

VENTS-US

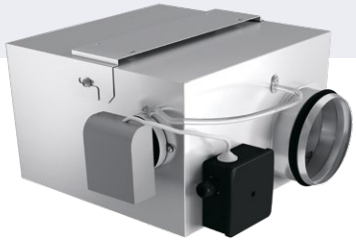
VK PS SERIES
Dryer Booster Fans

- Air flow capacity: up to **871** CFM
- Power consumption: **106–269** W
- Sound level: **2.3-4.3** Sones

Model	Duct Dia.	Energy Star compliance	Sones @10 ft	RPM*	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.										Max. Ps	Volt/Hz
							0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"	
VK 100 PS	4"	no	2.3	2980	109	0.94	183	175	170**	164	154**	147	138**	130	122	115	106	2.2	120/60
VK 150 PS	6"	no	2.7	2785	93	0.77	321	307	290**	272	255**	237	222**	206	193	175	159	18	120/60
VK 200 PS	8"	no	3.5	2781	149	1.25	562	536	520**	501	472**	451	424**	397	372	347	329	2.5	120/60
VK 250 PS	10"	no	4.3	2523	266	2.25	683	653	620**	588	551**	518	487**	453	423	394	368	3.1	120/60
VK 315 PS	12"	no	4.1	2641	269	2.25	871	825	770**	736	683**	645	569**	515	476	430	388**	2.8	120/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

VKP PS
Dryer Booster Fan



- Air flow capacity: up to **220** CFM
- Power consumption: **66** W
- Sound level: **4.2** Sones

Model	Duct Dia.	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.											Volt/Hz
				0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"	
VKP PS 125	5"	66	0.54	220	214	208	202	196	190	184	178	172	160	150	120/60

* The parameters Watts, Amps are indicated at 0.2 in.W.G. Static Pressure.

DLT 454
Universal dryer lint trap

Model	Description
DLT 454	Lint accumulation is clearly visible through the peek hole Ceiling or wall mount application 4" inlet, 4" and 5" outlet

TURBO TUBE SERIES

Inline Mixed Flow Fans

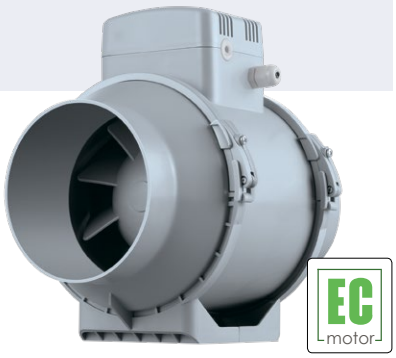
- Air flow capacity: up to **1069** CFM
- Power consumption: **24-343** W
- Sound level: **1.1–4.5** Sones

Model	Duct Dia.	Speed	Sones @10 ft	RPM*	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.											Max. Ps	Volt/Hz
							0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"		
TT 100	4"	high	2.5	2584	38	0.45	134	120	100**	55	33	20	4	-	-	-	-	0.63	120/60
		low	1.1	2527	25	0.29	86	68	50**	28	8	0	-	-	-	-	-	0.52	
TT 125	5"	high	2.5	2472	36	0.46	157	140	120**	83	15	-	-	-	-	-	-	0.46	120/60
		low	1.4	2191	24	0.3	121	91	60**	1	-	-	-	-	-	-	-	0.32	
TT 150	6"	high	3.5	2072	55	0.46	244	230	210**	174	89**	72	59**	45	34	19	4	1	120/60
		low	1.5	1896	28	0.23	161	135	70**	48	34**	19	0	-	-	-	-	0.6	
TT 200	8"	high	4.5	2049	104	0.87	440	418	400**	352	347**	319	280**	223	172	115	34	1.1	120/60
		low	2	1552	65	0.54	319	288	260**	231	179**	141	67**	24	-	-	-	0.8	
TT 315	12 3/8"	high	4.5	2375	343	2.95	1069	1048	1020**	996	955**	915	889**	863	818	768	713	2.6	120/60
		low	2.5	1856	224	1.89	858	800	780**	745	688**	626	567**	482	397	347	298	1.7	

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

TURBO TUBE EC SERIES

Inline Centrifugal Fans



- Air flow capacity: up to **745** CFM
- Power consumption: **25.9–170.6** W
- Sound level: **1.7–3.2** Sones

Model	Duct Dia.	Energy Star compliance	RPM*	Sones @10 ft	Watts*	Amps*	CFM vs. Static Pressure (Ps) in WG 10 V signal										Max. Ps, in WG	Volt/Hz
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"		
TT 100 EC	4"	yes	2940	1.7	25.9	0.42	160	145	134	127	106	87	42	11	-	-	1.14	120/60
TT 125 EC	5"	yes	2928	1.8	35.4	0.54	245	227	215	207	187	158	85	25	-	-	1.13	120/60
TT 150 EC	6"	yes	2800	2.6	52.4	0.54	343	328	318	311	293	272	222	143	66	8	1.53	120/60
TT 200 EC	8"	yes	2750	3.2	121.3	1.76	590	573	560	550	533	512	468	405	303	180	2.05	120/60
TT 250 EC	10"	yes	2568	3.2	170.6	2.26	745	705	680	663	625	590	505	415	308	240	2.50	120/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in.W.G. Static Pressure.
EC – w/Energy efficient electronically commutated motors.

TURBO TUBE PRO

High-Powered Inline Fans

- Air flow capacity: up to **372** CFM
- Power consumption: **39–81** W
- Sound level: **1.5–4.2** Sones

Model	Duct Dia.	Speed	RPM*	Sones @10 ft	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.											Max. Ps	Volt/Hz
							0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"		
TT PRO 100	4"	high	2927	3.5	48	0,4	206	194	180**	161	133**	102	78**	55	43	26	0	1	120/60
		low	2414	1.5	39	0,32	143	129	120**	107	90**	68	51**	35	16	0	-	0,9	
TT PRO 125	5"	high	3003	3.8	62	0,53	285	268	250**	230	209**	153	99**	62	31	0	0	0,87	120/60
		low	2570	1.8	48	0,42	218	205	190**	174	144**	107	72**	42	11	0	0	0,82	
TT PRO 150	6"	high	2981	4.2	81	0,69	372	361	350**	337	322**	307	293**	275	261	226	108	1,37	120/60
		low	2432	2.2	76	0,64	304	288	270**	251	233**	213	192**	158	109	72	48	1,22	

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

TURBO TUBE SILENT KIT

Inline Mixed Flow Ventilation Kit

- Air flow capacity: up to **317** CFM
- Power consumption: **22–67** W
- Sound level: **0.9–2.5** Sones

Recessed Vent Light w/ Lightbulb
x1 KIT 100-1L
x2 Kit 150 Duo-2L

Model	Duct Dia.	Energy Star compliance	Speed	RPM*	Sones @10 ft	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.											Max. Ps	Volt/Hz
								0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"		
TT 100 Silent	4"	no	high	2363	1.5	28	0.23	134	119	100**	78	58**	36	18	9	-	-	-	0.78	120/60
			low	2065	0.9	22	0.2	97	79	60**	39	20**	8			-	-	-	0.61	
TT 125 Silent	5"	no	high	2303	1.3	36	0.29	199	181	160**	137	94**	62	33	0	-	-	-	0.7	120/60
			low	1990	0.6	23	0.2	117	95	70**	44	11**	-	-	-	-	-	-	0.48	
TT 150 Silent	6"	no	high	2570	2.5	67	0.56	317	305	290**	274	257**	237	218	189	130	81	48	1.22	120/60
			low	1847	1.1	53	0.46	237	217	190**	169	132**	108	81	51	26	0	-	0.93	

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

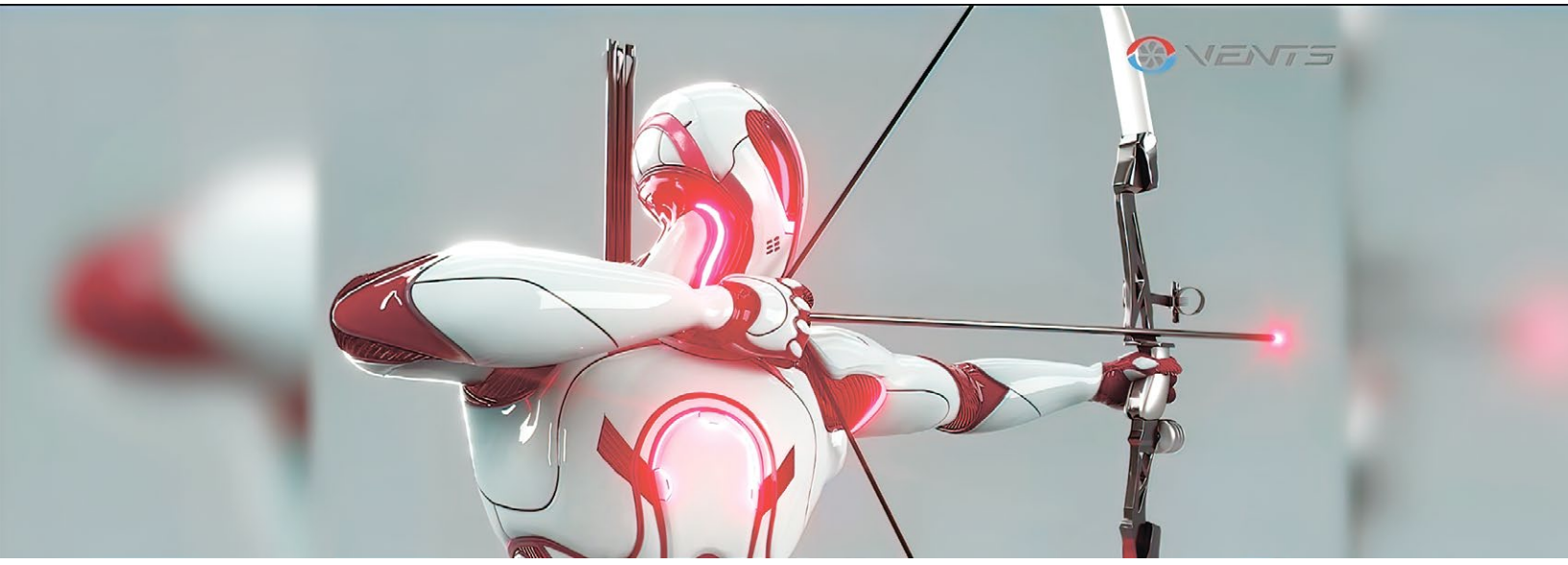
STREAM

Sound- and heat-insulated mixed flow inline fans

- Air flow capacity: up to **265** CFM
- Power consumption: **22-68.5** W
- Sound level: **1.4-2.5** Sones

Model	Duct Dia.	Energy Star compli-ance	Speed	RPM*	Sones @10 ft	Watts*	Amps*	CFM*	CFM vs. Static Pressure [Ps] in.W.G.											Max. Ps	Volt/ Hz
									0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"		
Stream 100/125	5"	no	high	3060	2	29	29	167	207	190	167	128	103	57	25	3	-	-	-	0.7	120 V / 60 Hz
			low	2475	1.4	22	22	121	168	145	121	93	55	3	-	-	-	-	-	0.5	
Stream 150/160	6"	no	high	2540	2.5	68.5	68.5	265	298	282	265	242	220	197	170	135	75	30	5	1.02	120 V / 60 Hz
			low	1800	1.5	53	53	158	211	185	158	126	97	70	30	-	-	-	-	0.67	

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.



VENTS BOOST

Our newly designed Boost inline mixed flow duct fans cater to the demands of commercial and industrial ventilation requirements

- Quiet operation: 2.6 – 2.7 sones
- High performance: up to 2112 cfm
- Energy efficient: 198 – 309 W
- Duct compatibility: ø 14”, 16”
- Single-speed capacitor motor with thermal overload protection
- Long-life ball bearing (up to 40 000 hours)
- Lightweight, durable and nonflammable case
- Vibration free operation
- Corrosion free

VENTS-US

BOOST

Inline mixed flow duct fans

- Air flow capacity: up to **2112** CFM
- Power consumption: **198–309** W
- Sound level: **2.6–2.7** Sones

Model	"Duct dia"	RPM*	Sones	Watts*	Amps*	CFM vs. Static Pressure (Ps) in WG											"Max Ps, in WG"	Volts
						0"	0,125"	0,2"	0,25"	0,375"	0,5"	0,75"	1"	1,25"	1,5"	2,5"		
BOOST 355	14"	1516	2,6	198	1,76	1536	1435	1370	1330	1230	1120	500	150	-	-	-	1,18	120
BOOST 400	16"	1378	2,7	309	2,7	2112	1950	1850	1775	1625	1475	1175	400	-	-	-	1,2	120

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure

VK SERIES

Inline Centrifugal Fans

- Air flow capacity: up to **871** CFM
- Power consumption: **51–269** W
- Sound level: **2.3–4.3** Sones

Model	Duct Dia.	Sones @10 ft	RPM*	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.										Max. Ps	Volt/Hz
						0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"	
VK 100	4"	2.3	2980	109	0.94	183	175	170**	164	154**	147	138**	130	122	115	106	2.2	120/60
VK 150	6"	2.7	2785	93	0.77	321	307	290**	272	255**	237	222**	206	193	175	159	18	120/60
VK 200	8"	3.5	2781	149	1.25	562	536	520**	501	472**	451	424**	397	372	347	329	2.5	120/60
VK 250	10"	4.3	2523	266	2.25	683	653	620**	588	551**	518	487**	453	423	394	368	3.1	120/60
VK 315	12"	4.1	2641	269	2.25	871	825	770**	736	683**	645	569**	515	476	430	388**	2.8	120/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

VK EC SERIES

Inline Centrifugal Fans

- Air flow capacity: up to **817** CFM
- Power consumption: **29.5–170** W
- Sound level: **3–4.2** Sones

Model	Duct Dia.	Energy Star Compliant	Sones @10 ft	RPM*	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.										Max. Ps	Volt/Hz
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"	2.5"	
VK 100 EC	4"	yes	3	2436	29.5	0.53	131	120	115	111	100	90	71	56	38	25	–	2.07	120/60
VK 125 EC	5"	yes	3.4	2675	41	0.63	190	173	163	158	142	130	105	82	63	45	–	2.2	120/60
VK 150 EC	6"	yes	3.8	3252	76	1.08	333	317	305	300	280	263	229	198	159	108	17	2.7	120/60
VK 200 EC	8"	yes	3.9	3000	99	1.45	471	447	423	418	392	366	312	248	191	142	–	2.24	120/60
VK 250 EC	10"	yes	4.0	2380	131	1.87	675	652	630	624	584	538	440	359	322	240	68	2.8	120/60
VK 315 EC	12"	yes	4.2	2680	170	2.37	817	794	774	768	731	693	611	516	464	303	69	3	120/60

* The parameters RPM, Watts are indicated at 0.2 in.W.G. Static Pressure
EC – w/Energy efficient electronically commutated motors

VK-ANTIRADON SERIES

Radon Mitigation Fans
(Indoor application only)

- Air flow capacity: up to **871** CFM
- Power consumption: **106–269** W
- Sound level: **2.3-4.3** Sones

Model	Duct Dia.	Energy Star compliance	Sones @10 ft	RPM*	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.										Max. Ps	Volt/Hz
							0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"	
VK-AntiRADON 100	4"	no	2.3	2980	109	0.94	183	175	170**	164	154**	147	138**	130	122	115	106	2.2	120/60
VK-AntiRADON 150	6"	no	2.7	2785	93	0.77	321	307	290**	272	255**	237	222**	206	193	175	159	18	120/60
VK-AntiRADON 200	8"	no	3.5	2781	149	1.25	562	536	520**	501	472**	451	424**	397	372	347	329	2.5	120/60
VK-AntiRADON 250	10"	no	4.3	2523	266	2.25	683	653	620**	588	551**	518	487**	453	423	394	368	3.1	120/60
VK-AntiRADON 315	12"	no	4.1	2641	269	2.25	871	825	770**	736	683**	645	569**	515	476	430	388**	2.8	120/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

VKM-ANTIRADON SERIES

Radon Mitigation Metal Fans
(Exterior and interior installation)

- Air flow capacity: up to **985** CFM
- Power consumption: **108–272** W
- Sound level: **6.60–8.42** Sones

Model	Duct Dia.	RPM*	Sones @10 ft	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.										Volt/Hz
						0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"	2.5"	
VKM-AntiRADON 100	4"	3000	6.91	108	0.90	174	167	162	159	151	142	124	106	84	60	–	120/60
VKM-AntiRADON 125	5"	2950	6.80	112	0.97	239	228	222	217	205	192	165	130	102	72	–	120/60
VKM-AntiRADON 150	6"	2400	6.60	110	0.90	325	292	275	265	241	214	172	139	107	67	–	120/60
VKM-AntiRADON 200	8"	2520	7.60	195	1.63	541	502	480	464	428	391	320	265	222	183	36	120/60
VKMS-AntiRADON 200	8"	2745	8.30	240	2.14	657	640	632	625	608	590	550	498	434	370	112	120/60
VKM-AntiRADON 250	10"	2516	8.20	232	1.95	678	638	613	599	550	479	408	340	292	248	90	120/60
VKM-AntiRADON 305	12"	2981	8.35	244	2.10	784	756	738	727	698	669	611	542	480	428	168	120/60
VKMS-AntiRADON 305	12"	2320	8.42	272	2.42	985	920	890	869	818	773	680	594	512	441	210	120/60

* The parameters RPM, Watts, Amps are stated in 0.2" in.W.G. Static Pressure.

VKM SERIES

Inline Centrifugal Metal Fans

- Air flow capacity: up to **3696** CFM
- Power consumption: **51–1250** W
- Sound level: **2.3–13** Sones

Model	Duct Dia.	Energy Star Compliant	Current* [Amp]	Power* [W]	RPM*	Max. Ps	CFM vs. Static Pressure [Ps] in.W.G.											Volt/Hz
							0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"	
VKM 100	4"	No	0.90	108	3000	2.13	174	168	162	155	150	142	135	127	120	115	105	120/60
VKM 125	5"	No	0.62	73	2663	1.83	228	214	200**	185	174	160	146	136	124	113	102	120/60
VKM 150	6"	No	1.28	150	2781	2.6	456	439	420**	399	378	357	335	316	295	275	255	120/60
VKM 200	8"	No	1.72	201	2335	2.8	599	566	530**	482	440**	405	372**	337	310	284	261**	120/60
VKMS 200	8"	No	2.14	240	2745	2.80	657	643	632	617	605	590	575	559	540	520	498	120/60
VKM 250	10"	No	1.98	229	2374	2.9	687	648	610**	566	525**	477	441**	405	375	338	315**	120/60
VKM 305	12"	No	1.91	219	2647	3.0	740	712	680**	642	606**	562	521**	474	435	400	371**	120/60
VKMS 305	12"	No	2.42	272	2320	3.65	985	930	890	845	810	773	735	700	660	627	594	120/60
VKM 355 Q	14"	No	1.3	297	1620	2.05	1324	1283	1248	1224	1177	1118	1001	765	530	333	–	120/60
VKM 400	16"	No	3.05	673	1585	2.81	2060	2030	1989	1972	1913	1854	17007	1589	1413	1236	294	220/60
VKM 450	18"	No	5.4	1250	1560	2.9	3696	3590	3531	3502	3414	3296	3060	2825	2578	2295	706	220/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.
**HVI rated.

VKM EC SERIES

Inline Centrifugal Metal Fans

- Air flow capacity: up to **801** CFM
- Power consumption: **33–173.5** W
- Sound level: **6.6–8.35** Sones

Model	Duct Dia.	Current* [Amp]	Power* [W]	RPM*	Sones	CFM vs. Static Pressure [Ps] in.W.G.										Volt/Hz
						0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"	2.5"	
VKM 100 EC	4"	0.51	33	2760	6.91	151	141	135	130	120	110	90	70	49	29	–	120/50-60
VKM 125 EC	5"	0.84	57.1	3396	6.80	248	239	231	225	211	198	170	143	115	88	–	120/50-60
VKM 150 EC	6"	1.08	75.1	3336	6.60	306	299	291	285	272	258	231	204	176	149	40	120/50-60
VKM 200 EC	8"	1.45	99	2820	7.60	539	510	494	484	458	432	380	328	277	225	18	120/50-60
VKM 250 EC	10"	1.89	133.6	2628	8.20	667	600	586	577	553	530	484	438	392	346	161	120/50-60
VKM 305 EC	12"	2.41	173.5	2796	8.35	801	741	726	716	690	665	614	563	512	461	257	120/50-60

* The parameters RPM, Watts, Amps are indicated at 0.2 in.W.G. Static Pressure.
EC motor – efficient electronically commutated (EC) single-phase external rotor motors with backward curved centrifugal impellers

SERIES OV EC

Inline Centrifugal Metal Fans

- Air flow capacity: up to **3696** CFM
- Power consumption: **51–1250** W
- Sound level: **2.3–13** Sones

Model	Voltage [V]	Frequency [Hz]	Motor Power [W]	Max Absorbed Current [A]	Max. air capacity [l/s]	RPM [n-1]	Sound pressure level @ 3 m [dB(A)]	Transported air temperature, °F	Motor protection rating	Protection rating
OV 200 EC	1~230	50/60	55	0,4	574	2780	50	-13….+140	IP55	IPX5
OV 200 S EC	1~230	50/60	115	0,85	940	2900	54	-13….+140	IP55	IPX5
OV 250 EC	1~230	50/60	85	0,61	913	2480	50	-13….+140	IP55	IPX5
OV 250 S EC	1~230	50/60	115	0,85	1089	2950	57	-13….+140	IP55	IPX5
OV 300 EC	1~230	50/60	150	1,2	1413	2000	57	-13….+140	IP55	IPX5
OV 300 S EC	1~230	50/60	210	1,5	1618	2200	57	-13….+140	IP55	IPX5
OV 350 EC	1~230	50/60	200	1,4	2060	1670	58	-13….+140	IP55	IPX5
OV 400 EC	1~230	50/60	170	1,3	2354	1180	58	-13….+140	IP55	IPX5
OV 450 EC	1~230	50/60	380	1,7	4356	140	65	-13….+140	IP55	IPX5
OV 500 EC	1~230	50/60	700	3,1	5002	1600	70	-13….+140	IP55	IPX5

SERIES VS EC

Inline Centrifugal Metal Fans

- Air flow capacity: up to **9852** m³/h
- Power consumption: **150–2750** W

Model	Voltage	Frequency	Motor Power [W]	Max Absorbed Current [A]	Max. cross directed air capacity [CFM]	RPM [n-1]	Sound pressure level @ 3 m [dB(A)]	Transported air temperature, °F	Motor protection rating	Protection rating
VS 315 EC	1~200-240	50/60	121	0,93	1295	1600	39	-13….+140	IPX4	IPX5
VS 355 EC	1~200-277	50/60	274	1,33	2354	1720	44	-13….+140	IPX4	IPX5
VS 400 EC	1~200-277	50/60	500	2,3	3331	1500	39	-13….+140	IPX4	IPX5
VS 450 EC	1~200-277	50/60	703	3,1	4002	1400	50	-13….+140	IPX4	IPX5
VS 500 EC	3~380-480	50/60	1320	2,2	6150	1650	45	-13….+140	IPX4	IPX5
VS 560 EC	3~380-480	50/60	1750	2,7	7357	1500	50	-13….+140	IPX4	IPX5
VS 630 EC	3~380-480	50/60	2750	4,4	9852	1250	50	-13….+140	IPX4	IPX5

EC motor – efficient electronically commutated (EC) single-phase external rotor motors with backward curved centrifugal impellers

OV1/OVK1 SERIES

Axial FANS

- Air flow capacity: up to **3696** CFM
- Power consumption: **51–1250** W
- Sound level: **2.3–13** Sones

Model	RPM*	Sones	Duct dia	Max Watts*	Max Amps*	CFM vs. Static Pressure (Ps) in WG				Max. Ps	Volts
						0"	0.125"	0.25"	0.375"		
OV1 200 / OVK1 200	1680	2.5	8 3/16"	43	0.63	262	211	56	-	0.30	115
OV1 250 / OVK1 250	1640	4.1	10 5/16"	84	1.17	475	428	288	113	0.45	115
OV1 315 / OVK1 315	1430	5.1	12 5/16"	109	1.37	766	626	-	-	0.15	115

VCN SERIES

Exterior Wall-Mounted Exhaust Centrifugal Fan

- Air flow capacity: up to **306** CFM
- Power consumption: **106–109** W
- Sound level: **7.1–8.1** Sones

Model	Duct Dia.	RPM*	Sones	Watts*	CFM vs. Static Pressure [Ps] in.W.G.				
					0"	0.25"	0.5"	1.0"	1.5"
VCN 100	4"	3100	7.20	108	238	223	204	134	30
VCN 150	6"	2250	7.84	109	302	286	256	159	37
VCN 200	8"	2300	8.10	106	306	291	258	148	9

* The parameters RPM, Watts are indicated at 0.2 in.W.G. Static Pressure.

BUCKET FAN(DRF-OV) SERIES

Destratification Fans

- Air flow capacity: up to **1460** CFM
- Power consumption: **162** W
- Sound level: **9.8-14.9** Sones

Model	RPM	Sones @10 ft	Max. Watts	Max. Amps	Air Flow CFM [L/s]	Air Flow Speed Depending on Bucket Fan Distance Point (ft), fpm											Volt/ Hz
						3"	6"	10"	13"	15"	20"	23"	25"	30"	33"	35"	
Bucket Fan 420 (DRF-OV 250)	1700	9.8	60	0.51	420 (198)	378	270	220	156	90	60	20	–	–	–	–	120/60
Bucket Fan 1055 (DRF-OV 300)	1675	11.3	94	0.8	1055 (498)	918	594	380	234	162	120	79	38	20	–	–	120/60
Bucket Fan 1460 (DRF-OV 350)	1685	14.9	162	1.38	1460 (689)	1100	756	760	468	324	300	217	169	120	59	19	120/60

BUCKET FAN WHISPER (DRFI-OV) SERIES

Sound-insulated destratification fan

- Air flow capacity: up to **1460** CFM
- Power consumption: **162** W
- Sound level: **3.5-5.6** Sones

Model	RPM	Sones @10 ft	Max. Watts	Max. Amps	Air Flow CFM [L/s]	Air Flow Speed Depending on Bucket Fan Distance Point (ft), fpm											Volt/ Hz
						3"	6"	10"	13"	15"	20"	23"	25"	30"	33"	35"	
Bucket Fan Whisper 420 (DRFI-OV 250)	1700	3.5	60	0.51	420 (198)	378	270	220	156	90	60	20	–	–	–	–	120/60
Bucket Fan Whisper 1055 (DRFI-OV 300)	1675	4.3	94	0.8	1055 (498)	918	594	380	234	162	120	79	38	20	–	–	120/60
Bucket Fan Whisper 1460 (DRFI-OV 350)	1685	5.6	162	1.38	1460 (689)	1100	756	760	468	324	300	217	169	120	59	19	120/60

FB K2 150

Filter box with filters

Max. filter cleaning efficiency: **98** %

Model	Duct Dia.	Max. filter cleaning efficiency	Filters	Pressure drop, in.W.G.
FB K2 150	6"	98 %	G4/F8: MERV8 + MERV14 G4/F8/C: MERV8 + CARBON + MERV 14 G4/H13: MERV8 + HEPA type C G4/H13/C: MERV8 + HEPA type C+ Carbon	up to 0.33 up to 0.75 up to 0.58 up to 0.90

FB K2 200

Filter box with filters

Max. filter cleaning efficiency: **98** %

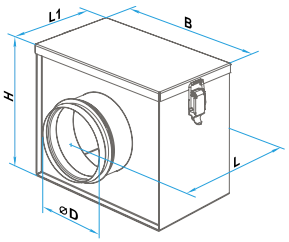
Model	Duct Dia.	Max. filter cleaning efficiency	Filters	Pressure drop, in.W.G.
FB K2 200	8"	98 %	G4/F8: MERV8 + MERV14 G4/F8/C: MERV8 + CARBON + MERV 14 G4/H13: MERV8 + HEPA type C G4/H13/C: MERV8 + HEPA type C+ Carbon	up to 0.33 up to 0.75 up to 0.58 up to 0.90

FB SERIES

Panel Filters

Model	Flange Diameter	Filters
FB	100 – 4" 125 – 5" 150 – 6" 200 – 8" 250 – 10" 315 – 12 3/8"	filtering class MERV 8

Model	ØD	B	H	L	L1	Weight [lb]
FB 100	3 7/8	8 1/4	6 7/8	8 1/2	4 7/8	3.08
FB 125	4 7/8	8 5/8	8 1/4	9 1/4	5 5/8	3.7
FB 150	5 7/8	10 5/8	9 3/8	9 7/8	6 1/4	4.8
FB 160	6 1/4	10 5/8	9 3/8	9 7/8	6 1/4	4.8
FB 200	7 7/8	12 5/8	11	10 7/8	7 1/4	6.8
FB 250	9 7/8	14 5/8	12 7/8	12 3/4	9 1/8	9.2
FB 315	12 3/8	16 7/8	15 3/8	16 3/4	13 1/8	13.9

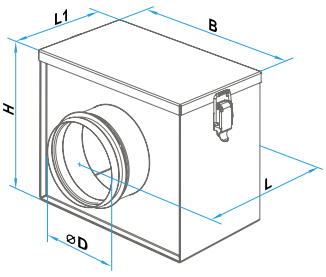


FBV SERIES

Panel Filters

Model	Flange Diameter	Filters
FBV	100 – 4" 125 – 5" 150 – 6" 200 – 8" 250 – 10"	FBV filter with V-filtering element with increased filtering area (filteringclass MERV 8)

Model	ØD	B	H	L	L1	Weight [lb]
FBV 100	3 7/8	9 1/8	6 7/8	8 1/2	4 7/8	3.08
FBV 125	4 7/8	9 5/8	8 1/4	9 1/4	5 5/8	3.7
FBV 150	5 7/8	11 1/2	9 3/8	9 7/8	6 1/4	4.8
FBV 160	6 1/4	11 1/2	9 3/8	9 7/8	6 1/4	4.8
FBV 200	7 7/8	13 1/2	11	10 7/8	7 1/4	6.8
FBV 250	9 7/8	15 1/2	12 7/8	12 3/4	9 1/8	9.2
FBV 315	12 3/8	17 7/8	15 3/8	16 3/4	13 1/8	13.8



LD K SERIES

Axial Extract Fans

- Air flow capacity: up to **109** CFM
- Power consumption: **13.9–32.9** W
- Sound level: **1.37–3.0** Sones

Model	Duct Dia.	RPM	Sones	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.		Max. Ps	Volt/Hz
						0"	0.03"		
100 LD K	4"	2975	1.37	13.9	0.18	44	42	0.15	120/60
125 LD K	5"	2400	2.16	15.5	0.19	79	63	0.16	120/60
150 LD K	6"	2337	3.0	32.9	0.39	109	92		120/60

* The parameters RPM, Watts, Amps are indicated at 0.03 in.W.G. Static Pressure.

MA SERIES

Axial Extract Fans

- Air flow capacity: up to **176** CFM
- Power consumption: **17–35.2** W
- Sound level: **1.8–2.7** Sones

Model	Duct Dia.	RPM	Sones	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.		Max. Ps	Volt/Hz
						0"	0.03"		
100 MA	4"	2756	1.8	17	0.18	44	37	0.17	120/60
125 MA	5"	2150	2.6	19.2	0.21	102	90	0.18	120/60
150 MA	6"	2130	2.7	35.2	0.4	176	158	0.19	120/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in.W.G. Static Pressure.

QUIETLINE SERIES

Low-Noise Axial Inline Fans

- Air flow capacity: up to **200** CFM
- Power consumption: **7.6–26.5** W
- Sound level: **0.5–1.9** Sones

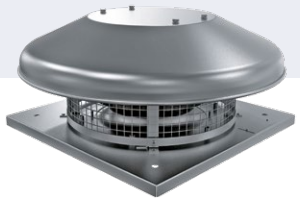
Model	Duct Dia.	RPM*	Sones	Watts*	Amps*	CFM vs. Static Pressure [Ps] in.W.G.			Max. Ps	Volt/Hz
						0"	0.1"	0.2"		
100 Quietline	4"	2424	0.5	7.6	0.1	49	36	10	0.26	120/60
125 Quietline	5"	2304	1.0	19.4	0.26	108	73	32	0.31	120/60
150 Quietline	6"	2016	1.9	26.5	0.24	200	158	109	0.45	120/60

* The parameters RPM, Watts, Amps are indicated at 0.2 in.W.G. Static Pressure.

VENTS-US

VKHCA EC SERIES

Aluminum roof fans

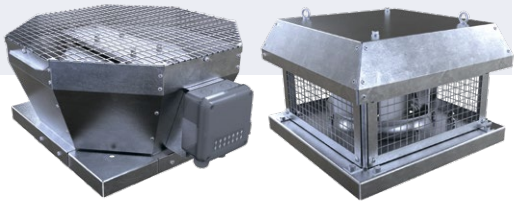


- Air flow capacity: up to **8028** CFM
- Power consumption: **95–2412** W
- Sound level: **47–69** Sones

Model	Speed	Noise pressure level @ 3m [dbA]	Power [W]	Current [A]	Volts	CFM Static Pressure [PS] in.W.G										
						0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"
VKHCA 190 EC	3538	52	110	0.87	1~230	453	445	435	427	415	412	400	386	374	364	344
VKHCA 225 EC	2478	47	95	0.8	1~230	795	754	711	669	626	584	540	499	454	412	347
VKHCA 250 EC	3310	54	164	1.25	1~230	883	871	863	856	848	836	824	800	777	731	683
VKHCA 280 EC	2610	48	195	1.53	1~230	1413	1389	1371	1324	1290	1230	1177	1118	1047	971	883

VKVA/VKHA EC SERIES

Aluminum roof fans

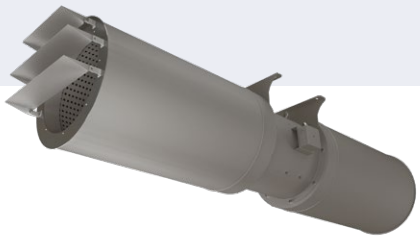


- Air flow capacity: up to **10753** CFM
- Power consumption: **101–2973** W
- Sound level: **47–69** Sones

Model	Speed	Noise pressure level @ 3m [dbA]	Power [W]	Current [A]	Volts	CFM Static Pressure [PS] in.W.G										
						0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.7"	0.8"	0.9"	1"
VKVA/VKHA 190 EC	3520	52	102	0.77	1~230	394	387	377	371	364	353	344	331	318	294	283
VKVA/VKHA 225 EC	2400	47	101	0.8	1~230	759	718	681	636	594	559	519	470	423	353	294
VKVA/VKHA 250 EC	3300	54	161	1.29	1~230	895	873	859	845	824	800	792	760	727	696	662
VKVA/VKHA 280 EC	2610	48	182	1.34	1~230	1371	1330	1239	1177	1083	1036	989	960	902	848	809
VKVA/VKHA 310 EC	2600	49	391	1.72	1~230	1825	1773	1725	1667	1613	1561	1471	1413	1371	1324	1283
VKVA/VKHA 355 EC	1550	51	669	4.95	1~230	2254	2178	2178	2154	2115	2078	2039	2002	1972	1926	1886
VKVA/VKHA 400 EC	1450	58	526	3.9	1~230	3167	3093	3014	2935	2855	2777	2696	2590	2531	2354	2248
VKVA/VKHA 450 EC	1560	63	1323	3.27	3~400	4773	4767	4694	4615	4534	4414	4374	4238	4212	4136	4061
VKVA/VKHA 500 EC	1480	67	1350	2.08	3~400	6416	6351	6239	6121	5998	5980	5830	5697	5650	5533	5297
VKVA/VKHA 560 EC	1540	69	2412	3.83	3~400	8028	7946	7882	7768	7651	7538	7469	7416	7328	7181	7063
VKVA/VKHA 630 EC	1450	71	2973	4.66	3~400	10753	10594	10589	10442	10274	10124	10124	9947	9888	9770	9535

JAF SERIES

Unidirectional and reversible single- and double-speed fans



Air flow capacity: **1770–20700** CFM

Motor rated power: **0.55–16** kW

Axial jet fans with fire resistance 300 °C/2 h, 400 °C/2 h for ventilation of covered parkings. Functionality. Power. Efficiency.

Model	Casing type	Casing insulation	Size	High-powered motor	Pole number	Air flow	Fire resistance limit/h
JAF (jet axial fan)	**C**: round	**no symbol means** no sound insulation **I**: sound-insulated casing	315 355 400	**no symbol means** the only available standard size **M, S**: model with a high-power motor	**2** **2/4** (applicable for double-speed motors)	**U**: unidirectional **R**: reversible	**no number**: max. +55 °C **300/2**: 300 °C/2 h. **400/2**: 400 °C/2 h.

Ø [in]	Air flow direction	Num-ber of speeds	Model	"Power, kW"	"Max. air capacity, m³/h"	"Fan pull, H"	"Air speed, m/s"	RPM	"Operating temperature, °C*"	"Sound pressure LpA, dB in 3 m"
315	Unidirectional	1	JAF-CI-315-2-U-300/2-60Hz	0,55	4110	22	15,6	3460	F300oC / 2h*	70,3
			JAF-CI-315M-2-U-300/2-60Hz	0,75	4770	30	18,1	3460	F300oC / 2h*	66,1
355	Reversible		JAF-CI-355M-2-U-300/2-60Hz	1,1	6560	44	19,5	3460	F300oC / 2h*	67,1
		2	JAF-CI-355-2/4-U-300/2-60Hz	0,8 / 0,3	5931 / 2965	36 / 9	17,6 / 8,9	3461 / 1730	F300oC / 2h*	65,3 / 50,2
400	Unidirectional	1	JAF-CI-400-2-U-300/2-60Hz	1,1	7810	49	18,3	3460	F300oC / 2h*	70,8

* Smoke extraction mode: once for two hours

ICF SERIES

Impulse centrifugal fans

Air flow capacity: **3650-6000** CFM

Motor rated power: **1.5-3** kW

Impulse centrifugal fans with the fire resistance limits 300 °C/2 h and 400 °C/2 h for ventilation of underground parkings. Compactness. Power. Efficiency.

Model	Fan pull [N]	Pole number	Fire resistance limit/h
ICF (impulsion centrifugal fan)	50 N 85 N 100 N	**4** **4/6** (applicable for double-speed models) **4/8** (applicable for double-speed models)	**no number:** max. +55 °C **300/2**: 300 °C/2 h. **400/2**: 400 °C/2 h.

Model	Number of speeds	Unit voltage [V]	Frequence [Hz]	Max. air capacity [CFM]	Power [kW]	Fan pull [N]	Air speed [ft/s]	RPM	Operating temperature [°C]*	Weight [lb]
50N, SINGLE-SPEED										
ICF-50N-4	1	3~400	50	3649	1.5	50	67	1500	-25 – +55 °C	212
ICF-50N-4-300/2									300 °C/2 h	
ICF-50N-4-400/2									400 °C/2 h	
50N, DOUBLE-SPEED										
ICF-50N-4/6	2	3~400	50	3649/2413	1.5/0.37	50/20	67/44	1500/1000	-25 – +55 °C	212
ICF-50N-4/6-300/2									300 °C/2 h	
ICF-50N-4/6-400/2									400 °C/2 h	
ICF-50N-4/8	2	3~400	50	3649/1825	1.6/0.4	50/13	67/33	1500/750	-25 – +55 °C	212
ICF-50N-4/8-300/2									300 °C/2 h	
ICF-50N-4/8-400/2									400 °C/2 h	
85N, SINGLE-SPEED										
ICF-85N-4	1	3~400	50	5739	2.2	85	73	1500	-25 – +55 °C	300
ICF-85N-4-300/2									300 °C/2 h	
ICF-85N-4-400/2									400 °C/2 h	
85N, DOUBLE-SPEED										
ICF-85N-4/6	2	3~400	50	5739/3502	2.2/0.7	85/28	73/45	1500/1000	-25 – +55 °C	300
ICF-85N-4/6-300/2									300 °C/2 h	
ICF-85N-4/6-400/2									400 °C/2 h	
ICF-85N-4/8	2	3~400	50	5739/2443	2.2/0.55	85/20	73/31	1500/750	-25 – +55 °C	300
ICF-85N-4/8-300/2									300 °C/2 h	
ICF-85N-4/8-400/2									400 °C/2 h	
100N, SINGLE-SPEED										
ICF-100N-4	1	3~400	50	6003	3.0	100	76	1500	-25 – +55 °C	304
ICF-100N-4-300/2									300 °C/2 h	
ICF-100N-4-400/2									400 °C/2 h	
100N, DOUBLE-SPEED										
ICF-100N-4/8	2	3~400	50	6003/3031	2.8/0.7	100/26	76/39	1500/750	-25 – +55 °C	304
ICF-100N-4/8-300/2									300 °C/2 h	
ICF-100N-4/8-400/2									400 °C/2 h	

* Smoke extraction mode: once for two hours

GARAGE VENTILATION KITS

CFM	**79**
SONES	**2.16**
RPM	**2400**
WATTS	**15.4**

Our Garage Ventilation Kits are a superior solution and help mitigate health risks by reducing exhaust gases, fumes, dust, odors, paint vapors and other harmful substances. By installing these high quality systems, you'll also combat dampness and moisture, ensuring a safer and more comfortable Garage environment.

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AIR DISTRIBUTION

VENTS-US

Products

Air Disc Valves

Plastic Round Grilles

Plastic Grilles

Metal Vent Grilles

Vent Plastic Caps

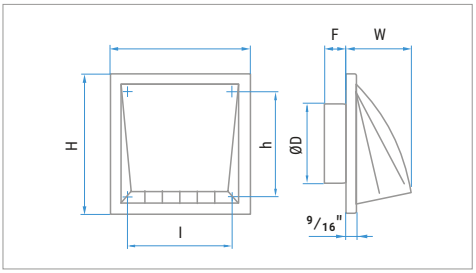
MV VK SERIES

Vent Plastic Caps

- Removable cap and built in screen
- Easy screw mounting
- Fire resistance plastic material
- Manufactured of ABS plastic

Model	Measurements [in]						
	L	l	H	h	Ø D	W	F
MV 102 VK	6"	4 1/4"	6"	4 1/4"	4"	3 3/8"	1 1/4"
MV 122 VK	7 3/8"	5 1/2"	7 3/8"	5 1/2"	5"	4"	1 1/4"
MV 152 VK	7 1/4"	5 1/2"	7 1/4"	5 1/2"	5 7/8"	4"	2"

Grilles with a flange and a backdraft damper



MV bVs

Plastic Round Grilles

- Fire resistant plastic material
- Manufactured of ABS plastic

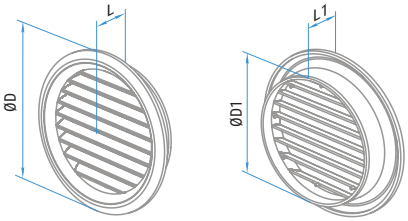
white

grey

mahogany

Model	Measurements [in]				Air pass [in²]
	L	L1	Ø D1	Ø D	
MV 100 bVs	1 1/8"	4 5/8"	4"	5"	1/16"
MV 125 bVs	1 1/8"	5 7/8"	4 7/8"	6 1/4"	1/32"
MV 150 bVs	1 1/8"	6 7/8"	5 7/8"	7 7/8"	1/16"

Grilles feature flange and mosquito screen



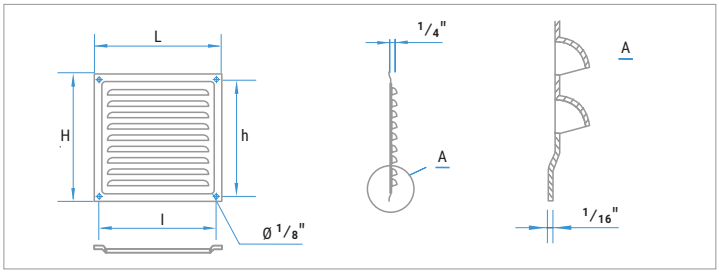
MVM SERIES

Metal Vent Grilles

Available Materials:

- Painted steel
- Galvanized steel (Zn)

Model	Measurements [in]				
	L	H	l	h	Air pass [in]
MVM 125s	5"	5"	4 3/8"	4 3/8"	1/2"
MVM 150s	5 7/8"	5 7/8"	5 3/8"	5 3/8"	8 7/8"
MVM 200s	7 7/8"	7 7/8"	7 1/4"	7 1/4"	1 5/8"
MVM 250s	9 3/4"	9 3/4"	9 1/4"	9 1/4"	2 7/8"
MVM 300s	11 3/4"	11 3/4"	11 1/4"	11 1/4"	3 5/8"

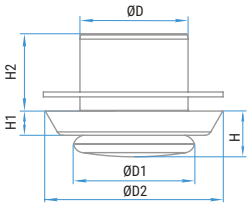


A-VRF SERIES

Air Plastic Disc Valves

- Fire rated ABS plastic
- Contains flange

Model	Measurements [in]							
	Ø D	Ø D1	Ø D2	H	H1	H2	Air pass [Ft²]	Damper Normal Pitch [in]
A 100 VRF	4"	3 1/2"	5 3/4"	1 1/2"	1 1/8"	2 1/4"	0.0648	0...3/4"
A 125 VRF	5"	4 1/4"	6 1/2"	2"	3/4"	2 1/4"	0.0861	0...7/8"
A 150 VRF	5 7/8"	5"	7 7/8"	2"	3/4"	2 1/4"	0.0968	0...7/8"
A 200 VRF	7 7/8"	5"	9 3/4"	1 7/8"	3/4"	2 1/4"	0.0861	0...3/4"
A 200/150 VRF	5 7/8"	5"	9 3/4"	1 7/8"	3/4"	3 1/4"	0.0861	0...3/4"

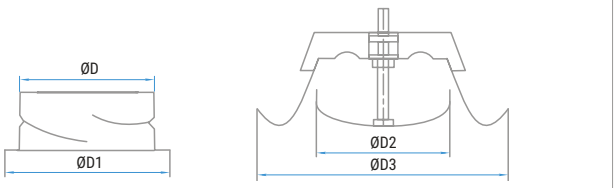


AM-VRF SERIES

Air Metal Disc Valves

- Steel with polymeric coating
- Contains flange

Model	Measurements [in]				
	Ø D	Air pass [Ft²]	Ø D1	Ø D2	Ø D3
AM 100 VRF	3 7/8"	0.043	4 3/4"	3"	5 "
AM 125 VRF	4 7/8"	0.075	6"	2"	6 "
AM 150 VRF	5 7/8"	0.107	6 3/4"	5"	7 1/4"
AM 200 VRF	7 3/4"	0.215	8 7/8"	7"	9 1/4"



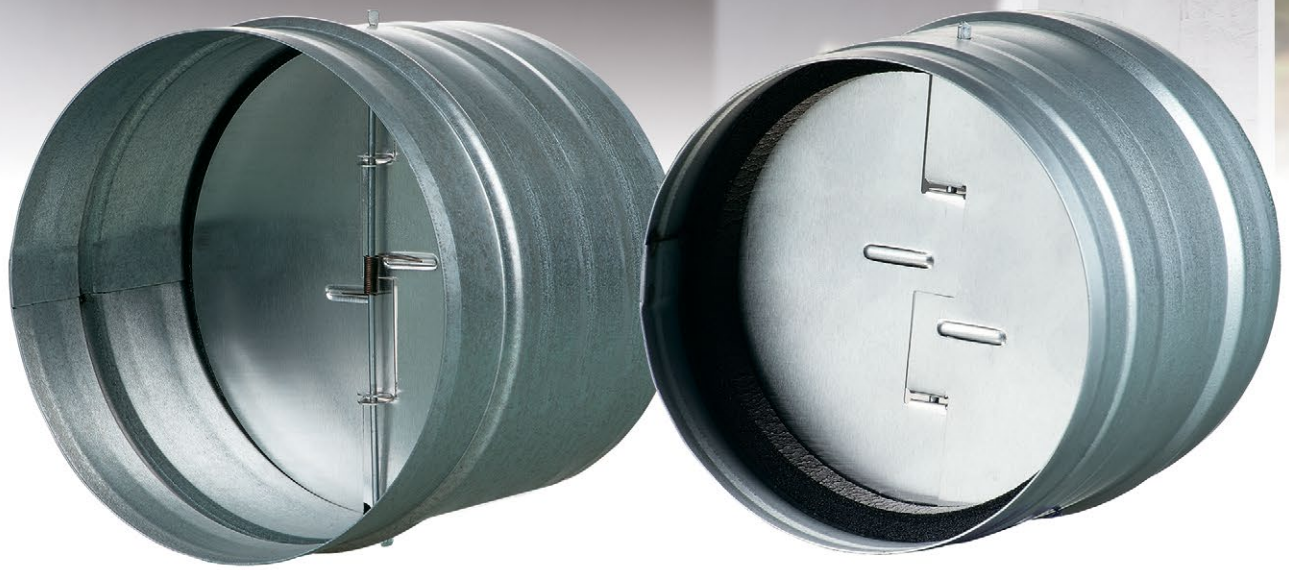
Our KOM U spring loaded backdraft dampers are manufactured of 24/26 gauge galvanized steel and include a rubber seal designed to prevent backdraft. The KOM U backdraft damper helps to block the entry of insects and other unwanted wildlife.

BACKDRAFT DAMPERS

VENTS-US

FAN IS OFF

The air blades are closed by a spring to prevent backdraft when the fan is off

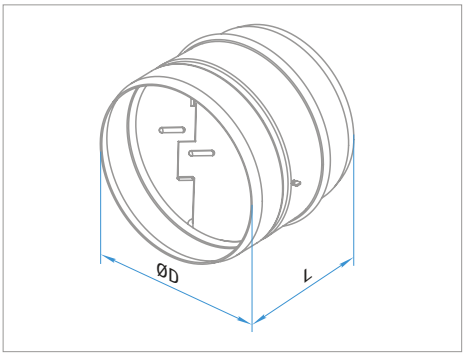


KOM U SERIES

Spring-Loaded Back Draft Dampers w/ Rubber Seal

KOM U spring-loaded backdraft damper is manufactured of 24/26 gauge galvanized steel and contains rubber seal, it is especially designed to prevent backdraft.
KOM U also prevents the entry of birds and other wildlife.

Model	Measurements [in]	
	Ø D	L
KOM 100 U	4"	1/2"
KOM 125 U	5"	4 3/8"
KOM 150 U	6"	4 7/8"
KOM 200 U	8"	6 1/8"
KOM 250 U	10"	6 7/8"
KOM 315 U	12 3/8"	7 7/8"



Model	Steel Gauge	
	Thickness [in]	Gauge
KOM 100 U	1/16"	26
KOM 125 U	1/16"	26
KOM 150 U	1/16"	24
KOM 200 U	1/16"	24
KOM 250 U	1/16"	24
KOM 315 U	1/16"	24

D/D2/DD SERIES

Access plastic doors

- Fire rated ABS plastic

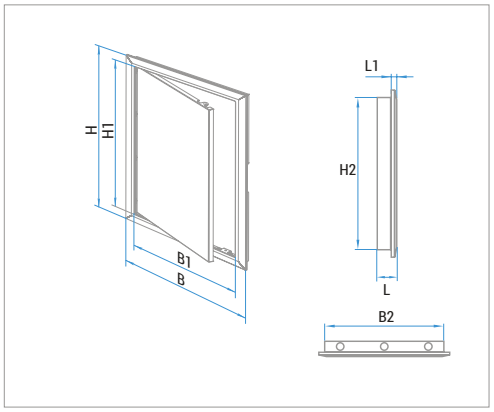
D Series

D2 Series

DD Series

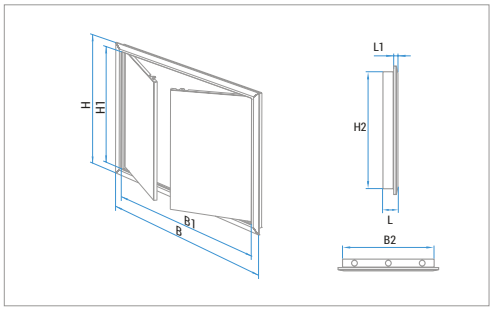
Model	Measurements [in.]							
	H2	B2	H	B	H1	B1	L	L1
D 150x150	5 3/4"	5 3/4"	6 5/8"	6 5/8"	4 7/8"	4 7/8"	1"	1/4"
D 150x200	7 3/4"	5 3/4"	8 1/2"	6 5/8"	6 3/4"	4 7/8"	1"	1/4"
D 200x200*	7 3/4"	7 3/4"	8 1/2"	8 1/2"	6 3/4"	6 3/4"	1"	1/4"
D 200x250*	9 3/4"	7 3/4"	10 1/2"	8 1/2"	8 3/4"	6 3/4"	1"	1/4"
D 200x300	11 3/4"	7 3/4"	12 1/2"	8 1/2"	10 3/4"	6 3/4"	1"	1/4"
D 250x300	12 7/8"	9 3/4"	13 5/8"	10 1/2"	11 7/8"	8 3/4"	1"	1/4"
D 300x300	11 3/4"	11 3/4"	12 1/2"	12 1/2"	10 3/4"	10 3/4"	1"	1/4"
D 300x400*	15 5/8"	11 3/4"	16 3/8"	12 1/2"	14 3/4"	10 3/4"	1"	1/4"
D 400x500*	19 5/8"	15 5/8"	20 3/8"	16 3/8"	18 5/8"	14 3/4"	1"	1/4"

*special order (not in stock)

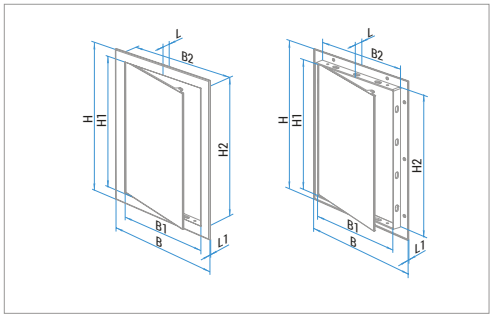


Model	Measurements [in.]							
	H2	B2	H	B	H1	B1	L	L1
D2 400x400*	15 5/8"	14 5/8"	16 3/8"	15 1/4"	14 5/8"	13 1/2"	1"	1/4"

*special order (not in stock)



Model	Measurements [in.]							
	H2	B2	H	B	H1	B1	L	L1
DD 200x300	11 3/4"	7 3/4"	13 1/4"	9 1/4"	11 1/2"	7 1/2"	3/4"	1/8"

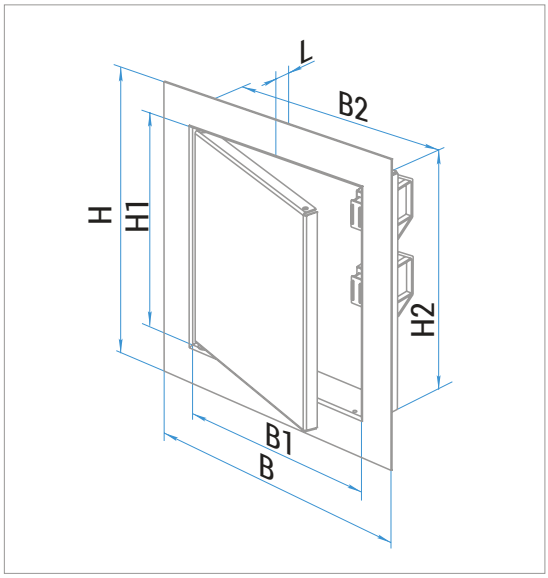


DMZ1 SERIES

Metal access door with Lock

- High quality steel with powder coating
- Access doors with screw lock

	Measurements [in]				Mass [lb]
	L	H	L1	H1	
DMZ1 30"x30"	32.09	32.09	29.84	29.84	14
DMZ1 24"x24"	26.1	26.1	23.86	23.86	9.8
DMZ1 42"x26"	44.09	28.11	41.85	25.86	16
DMZ1 36"x30"	38.11	32.09	35.87	29.84	16

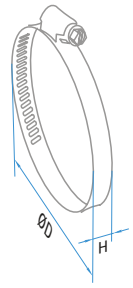


C SERIES

Hose Clamps

- Stainless Steel Hose Clamps
- Stainless steel corrosion resistance

Model	Measurements [in]	
	Ø D	H
C 100	3 1/2" – 4 1/4"	3/8"
C 125	4 1/4" – 5 1/8"	3/8"
C 150	5 1/2" – 6 1/4"	3/8"
C 160	5 7/8" – 6 3/4"	3/8"
C 200	7 1/2" – 8 1/4"	3/8"
C 250	9 1/2" – 10 1/4"	3/8"
C 315	11 3/4" – 13"	3/8"

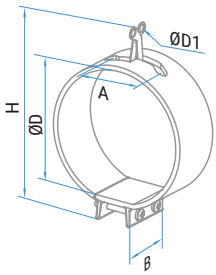


CZ SERIES

Hose Clamps

- Galvanized Steel Hose Clamps w/ Rubber Seal

Model	Measurements [in]				
	Ø D	H	Ø D1	A	B
CZ 100	4"	6 3/4"	1/4"	2 3/8"	2 3/8"
CZ 125	5"	7 3/4"	1/4"	2 3/8"	2 3/8"
CZ 150	5 7/8"	8 3/4"	1/4"	2 3/8"	2 3/8"
CZ 160	6 1/4"	9 1/8"	1/4"	2 3/8"	2 3/8"
CZ 200	7 7/8"	10 3/4"	1/4"	2 3/8"	2 3/8"
CZ 250	9 3/4"	12 3/4"	1/4"	2 3/8"	2 3/8"
CZ 315	12 3/8"	15"	1/4"	2 3/8"	2 3/8"



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