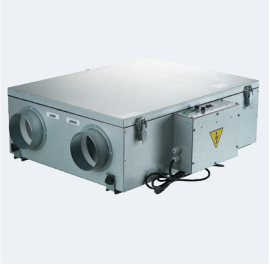
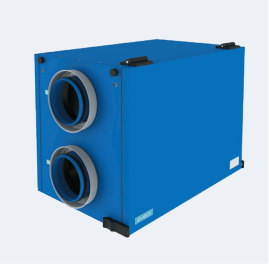
VENTS-US

PRODUCT RANGE

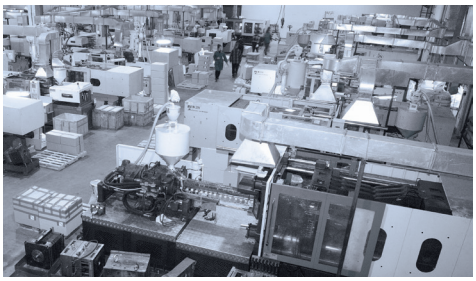
Catalogue






VENTS-US is a North American division of the VENTS company, the manufacturer of ventilation solutions for residential and commercial applications, that provides complete range of ventilation products.



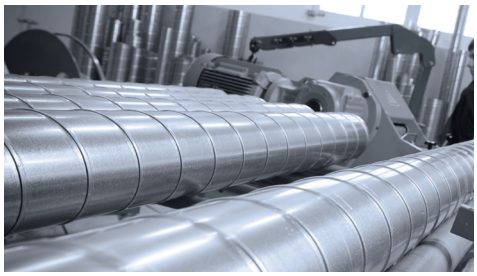
VENTS-US provides sales service across diverse markets ranging from residential to industrial.
The branch office and warehouse facilities are located in Cincinnati, Ohio.

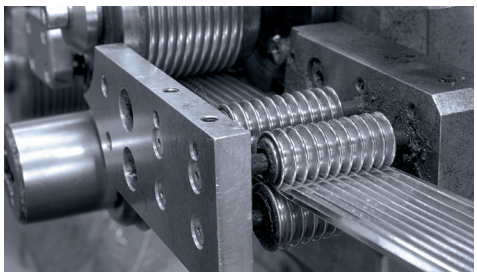
The company distributes its products through a wide range of distribution channel such as direct sale, retail, wholesale and sales agent through out the United States and Canada.

VENTS professional ventilation solutions are applied to retail and commercial businesses, residential houses, stadiums, auditoriums, big-box stores, restaurants and much more.

VENTS was founded in Europe in 1997. Our team consists of 2,500 qualified employees who provide complete production cycle from idea to a finished product. In our 1,600,000 sq. ft manufacturing facility we develop a full range of ventilation equipment applied in various types of premises while meeting requirements.
Wide range of technologies and components of ventilation systems are assembled in the VENTS products line, which has been applied to projects ranging from residential and commercial to industrial applications. VENTS has been playing a critical role in promoting the importance of healthy indoor environment and continuously present new technologies that meet the needs of customers. As the ongoing pandemic refuses to wane off the Company has taken action.VENTS innovative ventilation solutions meet requirements relating to airborne infection control in a wide variety of environment that can be found in schools, office buildings, medical facilities and residential homes all across the world.

VENTS products have gained consumers' acceptance in more than 100 countries throughout the world, including the countries in the Americas, Europe, Asia and Australia, which confirms the company's reliability and excellent product quality.





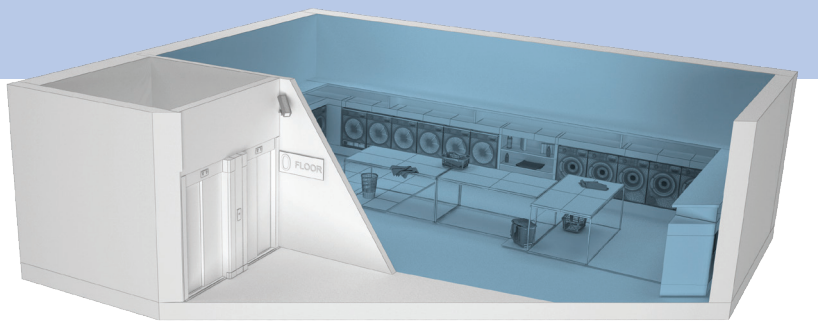
VENTS-US is a member of HVI, HRAI and HARDI Association.
The products are UL, CSA and HVI certified for USA and Canada.

Ventilation Solutions for Apartments & Multifamily Buildings

Ventilation systems for multi-unit residential buildings can be organized on the centralized or floor-by-floor basis or on the individual suite principle. VENTS has solutions for all of them. You can raise comfort level within separate premises by optional ventilation, even having a centralized system.

LAUNDRY

Dryer booster exhaust fans with built-in automatic pressure switch



VK PS

p.56

VKP PS

p.56

GYM

Powerful inline fans for air exhaust and supply

TT

p.58

TT Pro

p.59

TT Silent M

p.61

VK

p.62

VK EC

p.63

VKM

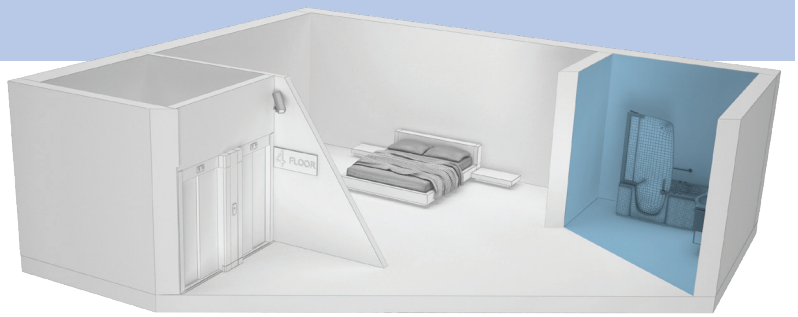
p.64

VKM EC

p.64

BATHROOM

Innovative ventilation solutions for bathroom stale air exhaust



TT

p.58

TT Pro

p.59

TT Silent Kit

p.59

TT Silent

p.60

TT Silent M

p.61

VKP, VKPF

p.62, 63

CBF

p.70

CBF Light

p.70

KITCHEN

Powerful inline fans for stale air exhaust

VKP

p.62

VKM

p.64

VKM EC

p.64

RESIDENTIAL ERV/HRV

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

Frigate

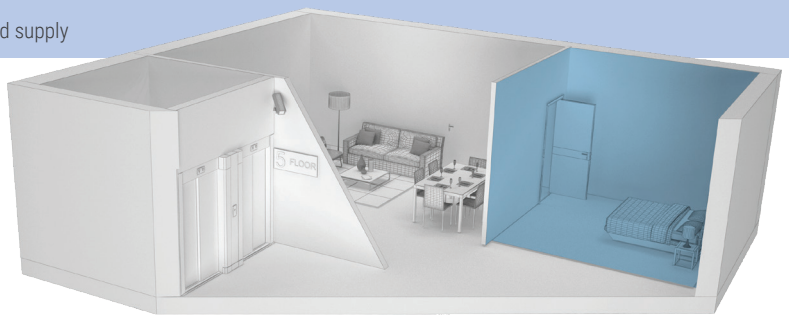
p.22

Frigate EC

p.32

SINGLE-ROOM ERV/HRV

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



TF Comfo

p.10

TF Expert

p.11

Freshbox 100 WiFi

p.14

Micra 60

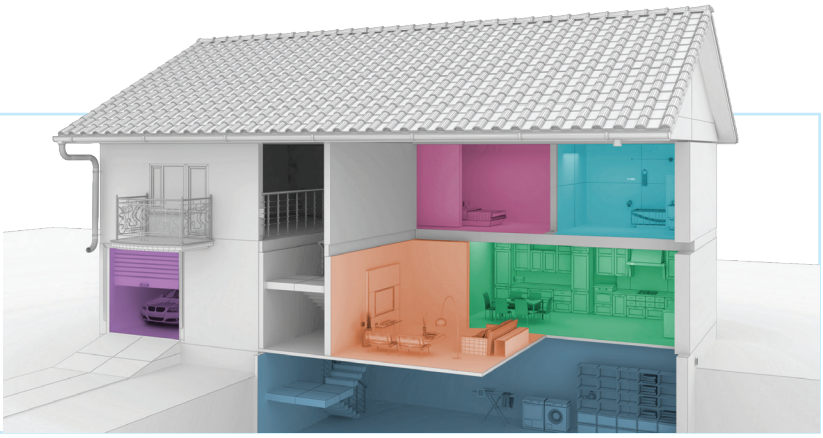
p.15

Micra 150

p.16

Ventilation Solutions for Single Family Homes

Wide variety of VENTS-US product range gives customers one of a kind solutions to tackle any ventilation needs that may arise in a home.
The result is safer and healthier home environment.



BASEMENT
Radon Mitigation fans designed to reduce radon concentration

VK-AntiRADON p.57

VKM-AntiRADON p.57

VK PS p.56

VKP PS p.56

LAUNDRY
Dryer booster fans with built-in automatic pressure switch.

VCN Garage Kit p.82

LD Garage Kit p.82

MA Garage Kit p.82

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

SINGLE-ROOM ERV/HRV
High efficient heat/energy recovery units for a single room air exhaust and supply.

TF Comfo p.10

TF Expert p.11

Freshbox 100 WiFi p.14

Micra 60 p.15

Micra 150 p.16

KITCHEN
Powerful inline fans for stale air exhaust

VKP p.62

VKM p.64

VKM EC p.64

KSV p.66

BATHROOM
High quality exhaust fans remove moisture and pollutants

TT p.58

TT Silent Kit p.59

TT Pro p.59

TT Silent p.60

TT Silent M p.61

VKPF p.63

CBF p.70

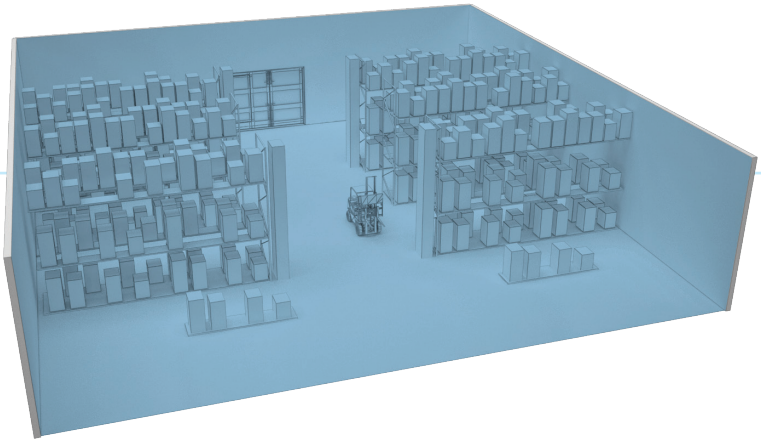
CBF Light p.70

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

Frigate p.22

Frigate EC p.32

Brig HRV p.42



Ventilation Solutions for Commercial Premises

VENTS ventilation solutions help maintain better warehouse environment by ensuring good air circulation, improving air quality, humidity level and temperature. Result is a healthier workplace and safer climate.

WAREHOUSE

AirLite ERV/HRV

p.46

AIRVENTS CFP

p.48

AIRVENTS CFH

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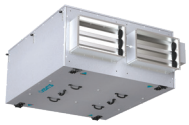
AIRVENTS CFV

p.48

AIRVENTS RP

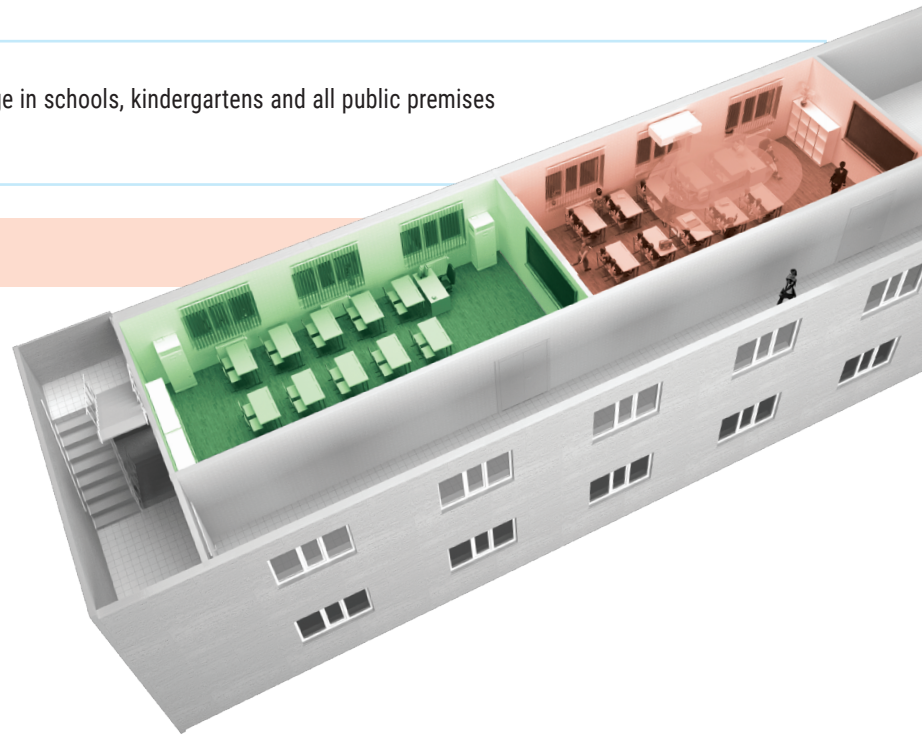


p.48

Bucket Whisper Fan

p.65

VENTS ventilation solutions ensure high quality air exchange in schools, kindergartens and all public premises providing healthy and safe environment.



COMMERCIAL PREMISES

Freshbox 100 WiFi

p.14

Micra

p.16

DVUT HB EC

p.17

Frigate

p.22

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**

While warm, stale air is exhausted from the room it passes through the ceramic energy core where the heat and moisture is being accumulated. After the ceramic core heats up, the ventilator automatically switches to supply mode.


CYCLE II
Air
supply
min 5 7/8
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.
VENTS-US

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	1	610	0.2	4.5	0.024	12	6	max. 88	-4...+104	MERV5 (option: MERV 14)	1~100–240/ 50–60
	2	800	0.4	5	0.026	19	9				
	3	1450	0.5	7	0.039	30	15				

One TwinFresh Comfo 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-2 150	Stainless steel outer hood for extra thin (5 7/8") walls	✓
	EH-2 chrome 150	Polished stainless steel hood for thin (5 7/8") walls	Special order
	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 F8	Option: MERV 14 filter (1 piece) *(MERV14 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: **0.3–0.6** 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: MERV14)	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-2 chrome 160	Polished stainless steel hood for thin (5 7/8") walls	Special order
	EH-20 160	Stainless steel outer hood for extra thin (4") walls	Special order
	SF TwinFresh Expert R-50 F8	Option: MERV 14 Filter (1 piece) *(MERV14 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: MERV14)	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-2 chrome 160	Polished stainless steel hood for thin (5 7/8") walls	Special order
	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 F8	Option: MERV 14 Filter (1 piece) *(MERV14 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: MERV14)	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-2 chrome 160	Polished stainless steel hood for thin (5 7/8") walls	Special order
	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 F8	Option: MERV 14 Filter (1 piece) *(MERV14 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	✓

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
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				
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 chrome	Mounting kit: Two Ø 4" air ducts, 19 3/4" long; Ventilation outer hood made of polished steel; Cardboard template	Special order
	MS Freshbox 100 white	Mounting kit: Two Ø 4" air ducts, 19 3/4" long; Ventilation outer hood, painted white; Cardboard template	✓
	AH Freshbox 100 chrome	Ventilation outer hood made of polished steel	Special order
	AH Freshbox 100 white	Ventilation outer hood, painted white	✓
	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 Heat 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:

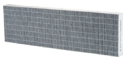
A14

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

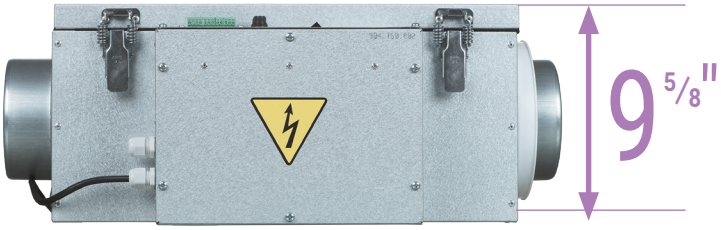
DESCRIPTION

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)

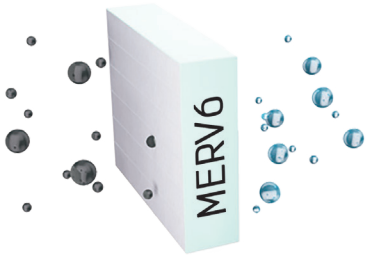
SUPER SLIM CASING



- 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.

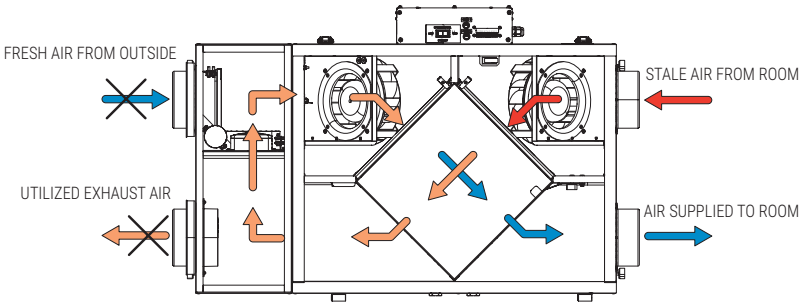
FILTER

- 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



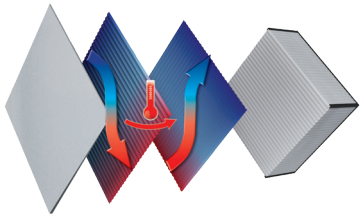
CONTROL

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

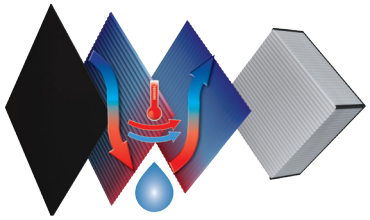
- Operation mode switch
- Independent speed adjustment of supply and exhaust fans ranging from 0% to 100%
- Automatic recovery core frost protection

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.



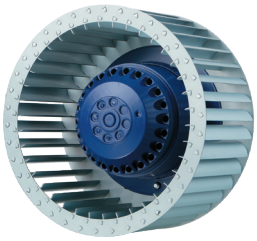
FANS

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:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 250x158x10

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	86	41	87	39	82	72	1.4	MERV6/ MERV6	Enthalpy core	5"
50	0.2	36	75	36	76	34	72	72				
75	0.3	31	65	31	65	28	60	72				
100	0.4	25	53	26	54	22	47	71				
125	0.5	20	41	20	42	17	36	70				
150	0.6	11	24	12	26	12	25	70				
175	0.7	6	12	6	14	6	13	70				
200	0.8	2	4	1	3	2	4	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	21	43	38	64	75	0.36
	II	0	+32	24	51	42	64	72	0.33
	III	0	+32	28	59	48	63	70	0.31
	IV								
	V								
COOLING	I	+35	+95	20	43	40	46	62	0.36
	II	+35	+95	24	51	48	47	61	0.32

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

FRIGATE ERV 80R

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 250x158x10

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	86	69	1.4	MERV6/ MERV6	Enthalpy core	5"
50	0.2	39	82	42	88	35	74	69				
75	0.3	34	72	36	77	29	62	68				
100	0.4	29	61	31	65	23	49	67				
125	0.5	20	41	22	47	17	37	67				
150	0.6	11	24	13	28	10	21	67				
175	0.7	6	12	7	15	5	10	67				
200	0.8	2	4	3	6	1	3	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	41	40	65	78	0.53
	II	0	+32	23	49	46	63	75	0.53
	III	0	+32	31	65	62	60	70	0.45
	IV	-25	-13	30	64	64	43	82	0.35
	V								
COOLING	I	+35	+95	23	49	50	46	69	0.43

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

FRIGATE HRV 120

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610

DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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)

FRIGATE HRV 120R

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610

DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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)

FRIGATE ERV 120

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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	130	61	130	139	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	58	122	59	125	59	125	135				
75	0.3	56	118	57	120	57	121	135				
100	0.4	54	114	55	117	55	117	132				
125	0.5	52	111	53	113	53	113	129				
150	0.6	50	107	52	109	51	109	128				
175	0.7	48	103	49	105	49	105	124				
200	0.8	46	98	47	100	47	100	121				
225	0.9	43	91	44	93	44	94	118				
250	1	40	84	40	86	41	87	114				
275	1.1	39	83	39	83	38	81	140				
300	1.2	32	67	33	70	31	66	135				
325	1.3	22	47	23	49	21	44	130				
350	1.4	13	28	14	30	13	28	127				
375	1.5	7	14	5	11	7	15	126				

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	67	79	0.64
	II	0	+32	30	64	78	65	77	0.60
	III	0	+32	47	100	116	60	70	0.55
	IV								
	V								
COOLING	VI	+35	+95	24	51	64	45	65	0.50

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

FRIGATE ERV 120R

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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	135	65	138	66	139	143	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	62	130	63	134	63	133	140				
75	0.3	59	126	61	129	60	128	136				
100	0.4	57	122	59	125	58	123	133				
125	0.5	55	117	57	120	56	118	130				
150	0.6	53	113	54	115	53	112	127				
175	0.7	51	108	52	110	50	107	125				
200	0.8	49	103	50	105	48	101	122				
225	0.9	46	97	47	100	45	94	118				
250	1	43	91	44	94	41	87	114				
275	1.1	39	83	39	83	38	81	140				
300	1.2	32	67	33	70	31	66	135				
325	1.3	22	47	23	49	21	44	130				
350	1.4	13	28	14	30	13	28	127				
375	1.5	7	14	5	11	7	15	126				

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	81	0.66
	II	0	+32	30	64	76	66	78	0.62
	III	0	+32	48	101	114	61	72	0.60
	IV	-25	-13	25	54	97	50	79	0.46
	V								
COOLING	VI	+35	+95	24	51	62	46	66	0.54

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

FRIGATE HRV 150

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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				
275	1.1	29	62	34	71	31	65	185				
300	1.2	25	52	28	59	26	54	183				
325	1.3	19	41	23	48	20	42	181				
350	1.4	13	29	18	37	14	30	179				
375	1.5	8	17	12	25	9	18	177				
400	1.6	3	6	7	15	3	6	176				

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)

FRIGATE HRV 150R

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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				
275	1.1	29	62	34	71	31	65	185				
300	1.2	25	52	28	59	26	54	183				
325	1.3	19	41	23	48	20	42	181				
350	1.4	13	29	18	37	14	30	179				
375	1.5	8	17	12	25	9	18	177				
400	1.6	3	6	7	15	3	6	176				

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	-25	-13	31	65	85	60	64	0.03
				**Total Recovery Efficiency					
COOLING	VI	+35	+95	30	64	97	31.1**	64	0.04

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

FRIGATE ERV 150

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610

DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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	177	85	179	83	177	189	1.9	MERV6/ MERV6	Enthalpy core	5"
50	0.2	79	168	80	170	79	166	189				
75	0.3	75	159	76	161	74	156	186				
100	0.4	71	150	72	152	69	146	185				
125	0.5	67	141	67	143	64	137	183				
150	0.6	62	132	63	133	60	127	181				
175	0.7	58	122	58	123	55	117	179				
200	0.8	53	112	53	113	50	107	176				
225	0.9	48	102	49	103	46	97	174				
250	1	43	91	43	92	41	87	171				
275	1.1	35	74	35	74	33	70	171				
300	1.2	22	46	25	53	23	48	171				
325	1.3	17	35	20	42	17	36	170				
350	1.4	12	24	15	32	12	25	170				
375	1.5	6	13	10	21	7	14	170				
400	1.6	1	2	5	10	1	2	170				

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	79	0.50
	II	0	+32	46	97	130	63	74	0.50
	III	0	+32	50	106	138	63	74	0.41
	IV								
	V								
COOLING	I	+35	+95	31	66	100	40	61	0.34
	II	+35	+95	46	97	132	40	58	0.31

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

FRIGATE ERV 150R

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610

DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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	177	85	179	83	177	189	1.9	MERV6/ MERV6	Enthalpy core	5"
50	0.2	79	168	80	170	79	166	189				
75	0.3	75	159	76	161	74	156	186				
100	0.4	71	150	72	152	69	146	185				
125	0.5	67	141	67	143	64	137	183				
150	0.6	62	132	63	133	60	127	181				
175	0.7	58	122	58	123	55	117	179				
200	0.8	53	112	53	113	50	107	176				
225	0.9	48	102	49	103	46	97	174				
250	1	43	91	43	92	41	87	171				
275	1.1	35	74	35	74	33	70	171				
300	1.2	22	46	25	53	23	48	171				
325	1.3	17	35	20	42	17	36	170				
350	1.4	12	24	15	32	12	25	170				
375	1.5	6	13	10	21	7	14	170				
400	1.6	1	2	5	10	1	2	170				

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	79	0.50
	II	0	+32	46	97	130	63	74	0.50
	III	0	+32	50	106	138	63	74	0.41
	IV								
	V								
COOLING	I	+35	+95	31	66	100	40	61	0.34
	II	+35	+95	46	97	132	40	58	0.31

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

FRIGATE ERV 80 EC

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1 | Humidity sensor (NO) HR-S | Timer A50 | Control panel P3-1-300 | Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 | DMZ1 762x762

Filters:

MERV6 SF 250x158x10

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

FRIGATE ERV 80R EC

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 250x158x10

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

FRIGATE HRV 120 EC

Heat Recovery Ventilator

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

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Metal Access Doors:


DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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									
				**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

FRIGATE HRV 120R EC

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1 | Humidity sensor (NO) HR-S | Timer A50 | Control panel P3-1-300 | Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 | DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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

FRIGATE ERV 120 EC

Energy Recovery Ventilator

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

Controls:


CO_2 Sensor CO2-1


Humidity sensor (NO) HR-S


Timer A50


Control panel P3-1-300


Control panel AC208EM2+LP

Metal Access Doors:


DMZ 610x610


DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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				
275	1.1	62	132	64	136	64	136	175				
300	1.2	59	126	61	130	61	129	175				
325	1.3	56	119	58	122	58	122	171				
350	1.4	52	110	53	111	53	113	166				
375	1.5	45	95	43	91	46	97	157				
400	1.6	34	71	23	49	34	72	141				
425	1.7	17	35	8	17	17	36	128				
450	1.8	9	20	0	0	9	20	124				

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	50	18	71	78	0.17	2.78
	II	0	+32	30	64	24	68	76	0.17	2.67
	III	0	+32	47	100	56	62	68	0.14	1.79
	IV									
	V	-25	-13							
COOLING	VI	+35	+95	24	50	18	67	77	0.24	2.78

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

FRIGATE ERV 120R EC

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1 | Humidity sensor (NO) HR-S | Timer A50 | Control panel P3-1-300 | Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 | DMZ1 762x762

Filters:

MERV6 SF 295x175x10

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	151	73	154	69	147	128	1.5	MERV6/ MERV6	Enthalpy core	5"
50	0.2	68	144	69	147	66	140	124				
75	0.3	66	139	67	142	63	134	119				
100	0.4	63	135	65	137	61	128	115				
125	0.5	61	130	63	133	58	123	111				
150	0.6	59	125	60	128	55	117	107				
175	0.7	56	119	58	122	52	111	101				
200	0.8	53	112	54	114	49	103	96				
225	0.9	48	101	49	103	44	94	89				
250	1	41	88	42	89	39	83	78				
275	1.1	62	132	64	136	64	136	175				
300	1.2	59	126	61	130	61	129	175				
325	1.3	56	119	58	122	58	122	171				
350	1.4	52	110	53	111	53	113	166				
375	1.5	45	95	43	91	46	97	157				
400	1.6	34	71	23	49	34	72	141				
425	1.7	17	35	8	17	17	36	128				
450	1.8	9	20	0	0	9	20	124				

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	78	0.55	2.83
	II	0	+32	30	64	24	70	76	0.50	2.65
	III	0	+32	47	100	50	65	71	0.41	1.99
	IV									
	V	-25	-13	25	53	24	52	76	0.36	
COOLING	I	+35	+95	24	51	20	62	73	0.40	2.55
	II	+35	+95	30	64	26	61	71	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

FRIGATE HRV 150 EC

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610

DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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									
				**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

FRIGATE HRV 150R EC

Heat Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Timer A50

Control panel P3-1-300

Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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

FRIGATE ERV 150 EC

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1 | Humidity sensor (NO) HR-S | Timer A50 | Control panel P3-1-300 | Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 | DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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									
				**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

FRIGATE ERV 150R EC

Energy Recovery Ventilator

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

Controls:

CO_2 Sensor CO2-1 | Humidity sensor (NO) HR-S | Timer A50 | Control panel P3-1-300 | Control panel AC208EM2+LP

Metal Access Doors:

DMZ 610x610 | DMZ1 762x762

Filters:

MERV6 SF 295x180x10

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	
				**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

BRIG HRV 120/HRV 170

Heat Recovery Ventilator

- Air flow capacity: up to **151** CFM/**188** CFM
- Recovery efficiency: up to **81** %
- Sound level: **1.5-2** Sones

Controls:

CO_2 Sensor CO2-1

Humidity sensor (NO) HR-S

Control panel P3-1-300

Filters:

MERV6

Model	Duct Dia.	Max. Watts	Max. Amps	RPM	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" (300 Pa)	1.4" (350 Pa)	
HRV 120	6"	147	1.25	2590	151 (71)	141 (67)	130 (61)	121 (57)	111 (52)	102 (48)	92 (43)	81 (38)	70 (33)	59 (28)	--	--	120/60
HRV 170	6"	214	1.85	3040	188 (89)	180 (85)	171 (81)	162 (77)	152 (72)	142 (67)	131 (62)	119 (56)	109 (51)	99 (47)	79 (37)	53 (25)	120/60

Model	Sensible efficiency [%] at			
	56 CFM	80 CFM	141 CFM	120 CFM
HRV 120	81 %	77 %	65 %	69 %

Model	Sensible efficiency [%] at			
	62 CFM	89 CFM	180 CFM	133 CFM
HRV 170	81 %	77 %	64 %	71 %

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:

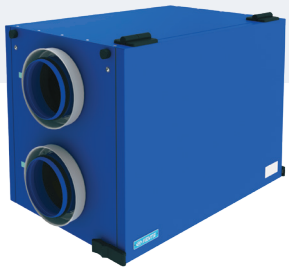
CO_2 Sensor CO2-1

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 350 VB EC A21

Heat Recovery Ventilator

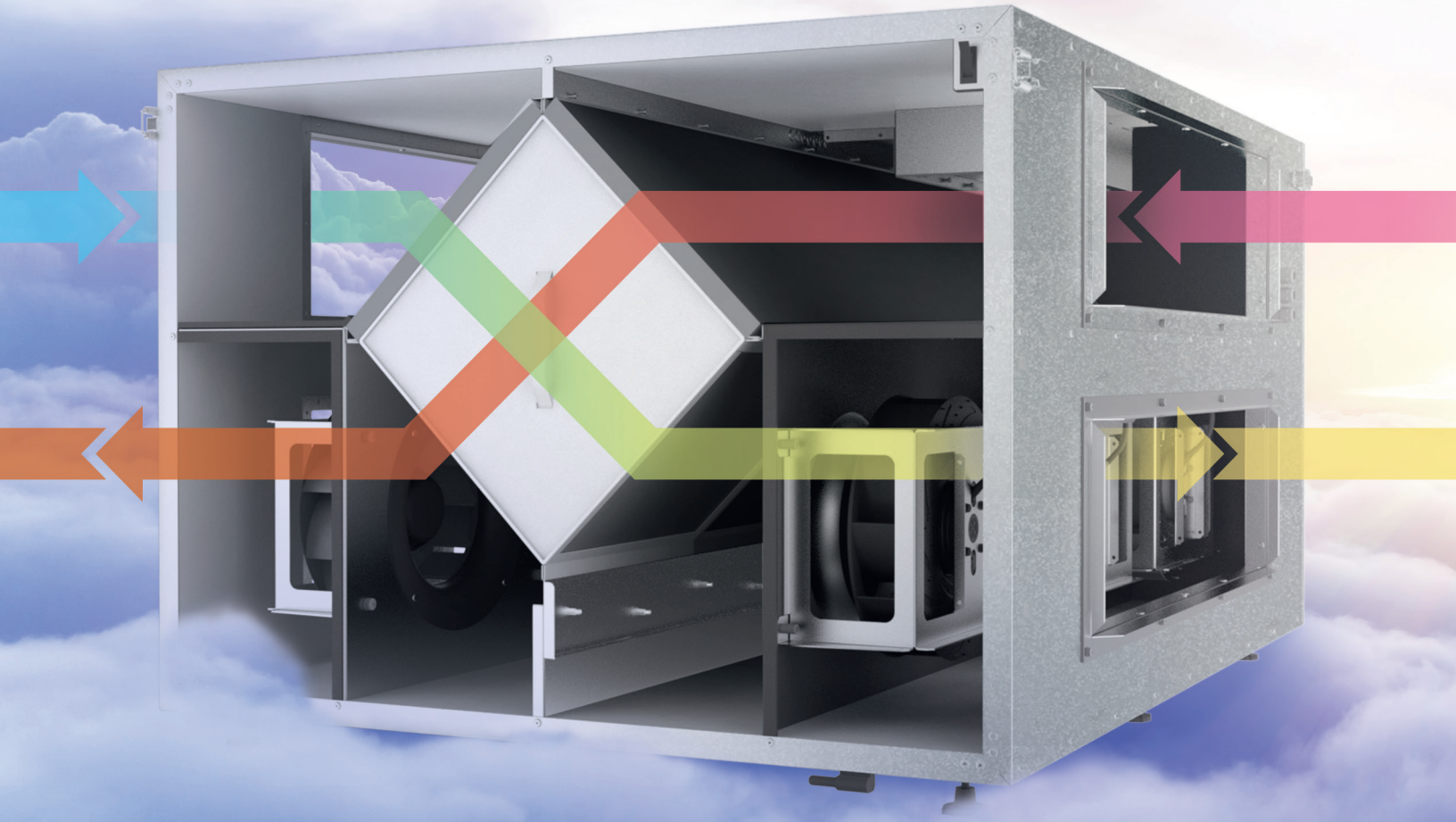
- Air flow capacity: up to **266** CFM
- Recovery efficiency: up to **92** %
- Power consumption: **178** W

Filters:

MERV6

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	2.8	141.1	from 85 to 92	MERV8	counter-flow	-13...+104	1~120/ 50–60

EC – w/Energy efficient electronically commutated motors



airLITE

ENERGY AND HEAT EFFICIENT VENTILATION
FOR YOUR BUSINESS

www.vents-us.com

Air handling units for ventilation
of commercial spaces with exterior and interior installation

AIR FLOW

510 – 1785 CFM

CONTROL

The unit incorporates an integrated automation and control system

SUPPLY AND EXHAUST

The unit is 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%

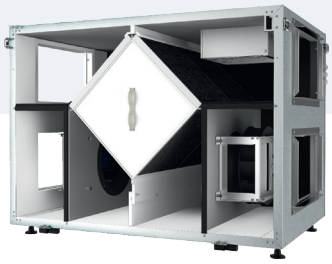
FILTER

Washable MERV 6 air filters in exhaust and supply air streams

VENTS-US

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

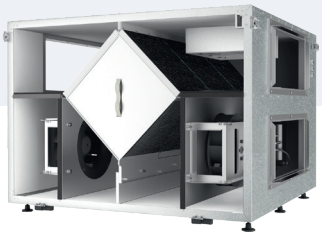
Filters:

MERV6 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	MERV6/ MERV6	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

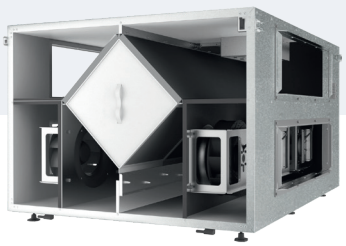
Filters:

MERV6 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	MERV6/ MERV6	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

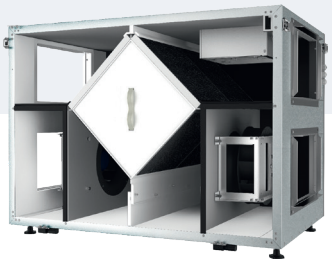
Filters:

MERV6 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	MERV6/ MERV6	galvanized steel, gauge 21	1" styrofoam	8×30

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

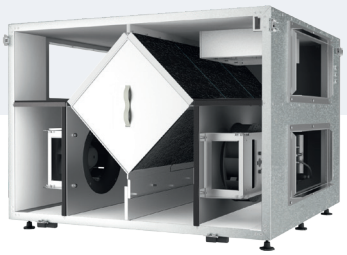
Filters:

MERV6 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	MERV6/ MERV6	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

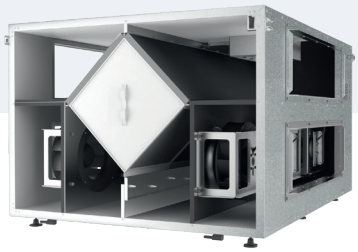
Filters:

MERV6 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	MERV6/ MERV6	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:

MERV6 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	MERV6/ MERV6	galvanized steel, gauge 21	1" mineral wool	8×30

HRVs WITH COUNTERFLOW PLATE HEAT RECOVERY CORE

AIRVENTS CFP
Ceiling-mounted units, 300-3500 CFM

AIRVENTS CFH
Double-deck units, 800–5300 CFM

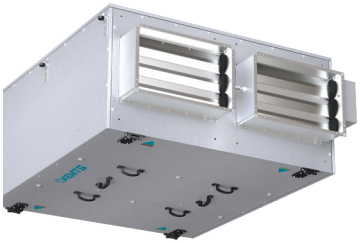
AIRVENTS CFV
Low-footprint units with the vertical outlets, 800–3500 CFM

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, 800–1500 CFM



THE MODULAR AIR HANDLING UNITS AIRVENTS

MAIN FEATURES

- A counter flow aluminum 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 full-size bypass
- An insulated double-skin frameless casing
- ECO-Design"18 compliant
- Web-interface, MODBUS, outputs for optional DX or Hydronic cooling/heating
- Complete set of Controls: silencers, VAV, CAV
- Exterior installation with outdoor mounting kit (optional)
- Operation by RH/CO_2/temperature/constant pressure/timer schedule

CONTROLS

- Supplied units come with the „Plug-&-Play" control system, based on the Carel programmable controller. Depending on the unit configuration, the system is fitted with 3 temperature sensors:
  - an outside, supply, and exhaust air temperature sensor
  - a return water temperature sensor and a frost protection relay for water heater configuration
  - an overheating protection relay for electric heater configuration

  Standard controller outputs allow to connect various additional sensors. The list of the optional sensors may be found in the accessories section.

- The Plug-and-play control system is fitted with the Carel th-Tune control panel, which ensures basic setting options and has a user friendly interface. The Carel pGDe extended control panel may be personalized and provides more flexibility and sophisticated control adjustments. The compact dimensions and elegant design make both of them suitable for all types of premises.

CAREL

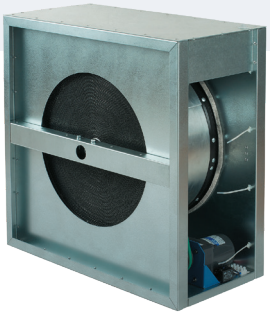
Default control system functions and optional features are listed below (th-Tune):

- 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 CO_2/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

The pGDe panel extended settings:

- 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

ROTARY HEAT EXCHANGER (MODELS RH, RV, RP)



A rotary heat recovery core is made of two types of material:

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

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

COUNTERFLOW PLATE HEAT RECOVERY CORE (MODELS CFH, CFV, CFP)

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

EC MOTOR

Plug fans with EC motors are used for projects that require high energy efficiency.
The advantages of EC fans are:

- extremely low power consumption at any speed
- no need for external speed control and compact size due to motor with external rotor

FRAMELESS CASING 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.

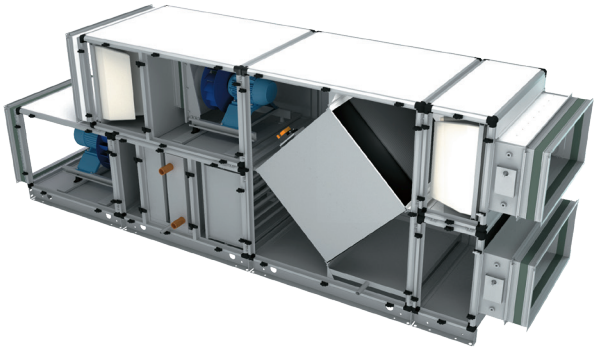
Benefits of frameless casing:

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

MAIN FEATURES

- AirVENTS air handling units is a complex solution to create a fully compact and packaged ventilation system.
- Flexible system designed to create commercial offers with a maximum accordance to the customer requirements.
- 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 manually adjusted.
- Plug fans with the EC motors are used for projects that require high energy efficiency.
- Increased fire resistance, high quality insulation materials.
- Application varies from the office and bank premises, cinema halls, gyms and swimming pools to the hotels, residential premises, industrial workshops, stocks, supermarkets etc.

CASING TYPES

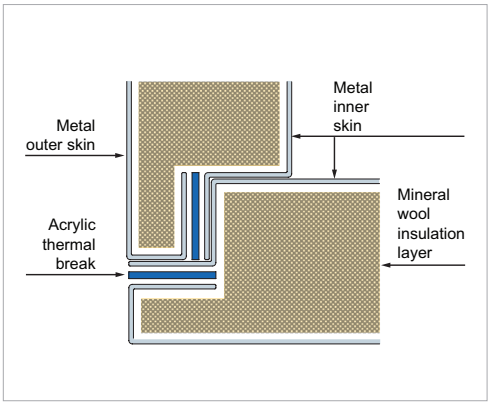


- The classic casing design is based on aluminum profile frame, joined with corners made of cast aluminum or reinforced nylon, provides high durability of the unit.
- Outer panel surface material:
  - Zinc-aluminium coating (standard)
  - Galvanized steel with polymeric coating (high corrosion resistance)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



HEAT EXCHANGERS

Rotary heat exchanger

- A rotary heat exchanger is a rotary honeycomb matrix with layers of aluminum ribbon, which is slowly rotated within the supply and exhaust air streams. As the wheel rotates, heat is picked up from the exhaust air stream in one half of the rotation and given up to the fresh air stream in the other half of the rotation. Thus waste heat energy from the exhaust air stream is transferred to the matrix material and then from the matrix material to the fresh air stream, raising the temperature of the supply air stream.
- The advantages of a rotary regenerator are: high efficiency, keeping comfortable humidity and low risk of frosting.
- Rotary regenerators in AirVents units made of two types:
- Condensation type (standard);
- Enthalpy type. The additional hygroscopic coating is applied on tape, which provides additional moisture transfer from one stream to another. This feature is especially useful when using a rotor in the summer in conjunction with the air conditioning system.

Plate heat exchanger

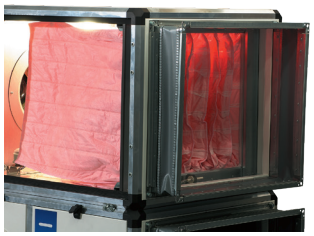
- Heat exchanger where heat is transferred from the flow of exhaust air to the incoming air from the street.
- Heat exchanger is made of profiled aluminum plates, packed with elastic heat-resistant sealant. The sealing provides a reliable separation of the supply and exhaust air, eliminating internal flows, and not allowing moisture, dirt, odors and microorganisms transfer between streams.
- To avoid frosting heat exchanger provides active protection by means of the bypass channel.
- Drain pan is installed under the heat exchanger.

AIR FILTERS

Units include the following filter elements:

- Panel-type pre filters, MERV5, and MERV6 class, in accordance to EN779. Filter depth 2 in. Reinforced with steel mesh. Panel frame made of galvanized steel.
- Bag Filters with pocket depth of 12 and 24 in., MERV5. MERV6, MERV8, MERV13 or MERV16 class in accordance to EN779.
- High Efficiency Filters: EPA – filters (MERV16) and HEPA – filter classes H12-H14, in accordance with EN1822.
- A filter based on active carbon is used for absorption of substances, that can not be caught by other types of filters (like odors, gases and pairs of toxic substances).

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.



CONTROLS

Controls for HRVs/ERVs

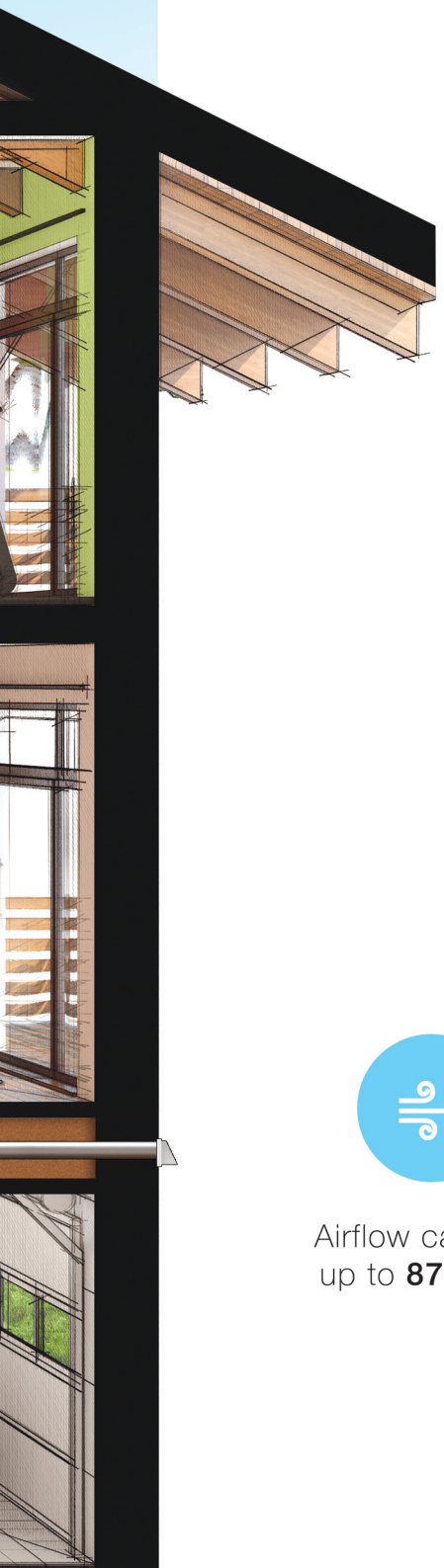
Controls for Single-room, Residential and Commercial HRV/ERV models allow you to easily activate a variety of functions.

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	+	+	-	-	-	-
FRESHBOX 100 Wi-Fi	+	+	-	-	-	-
DVUT 300 HB EC A21	-	+	-	-	-	-
DVUT 500 HB EC A21	-	+	-	-	-	-
Brig HRV 120, 170	+	+	+	+	+	-
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	+	+	+	+	+	-
AIRVENTS RH	-	-	-	-	-	+
AIRVENTS RV	-	-	-	-	-	+
AIRVENTS RP	-	-	-	-	-	+
AIRVENTS CFP	-	-	-	-	-	+
AIRVENTS CFH	-	-	-	-	-	+
AIRVENTS CFV	-	-	-	-	-	+

APPLICATION

VK PS SERIES

Dryer Booster Exhaust Fans



- Make dryers run more efficiently
- Save energy by reducing drying time
- 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

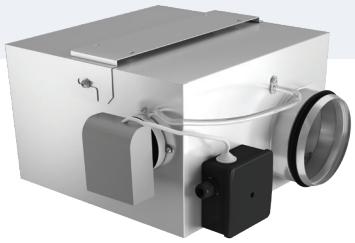
- Air flow capacity: up to **871** CFM
- Power consumption: **106–269** W
- Sound level: **2.3-4.3** Sones

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 150 E PS	6"	yes	3.8	3000	51	0.98	228	215	200	190	170	151	135	115	90	70	44	1.18	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 200 E PS	8"	yes	3.9	3275	88	0.73	418	400	380	360	340	316	290	275	250	225	200	1.66	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 whole Ceiling or wall mount application 4" inlet, 4" and 5" outlet

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 150 E	6"	yes	3.8	3000	51	0.98	228	215	200	190	170	151	135	115	90	70	44	1.18	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 200 E	8"	yes	3.9	3275	88	0.73	418	400	380	360	340	316	290	275	250	225	200	1.66	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.

TURBO TUBE SERIES

Inline Mixed Flow Fans

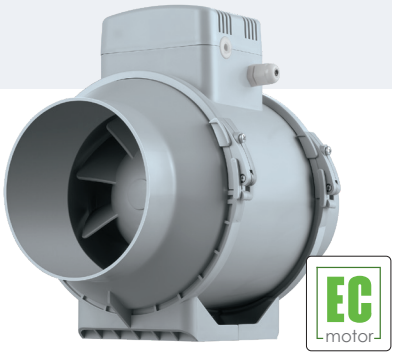
- Air flow capacity: up to **1069** CFM
- Power consumption: **24-343** W
- Sound level: **1.1–4.5** Sones

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.

TURBO TUBE SILENT

Inline Mixed Flow Fans

- Air flow capacity: up to **317** CFM
- Power consumption: **22–67** W
- Sound level: **0.6-2.5** Sones

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.

TURBO TUBE SILENT M

Inline Mixed Flow Fans

- Air flow capacity: up to **1050** CFM
- Power consumption: **22–353** W
- Sound level: **0.3–8.6** Sones

Model	Duct Dia.	Speed	RPM*	Sones @10 ft	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"	
TT Silent M 100	4"	high	2363	1.2	28	0.24	128	113	97	76	56	32	10	–	–	–	–	120/60
		low	2065	0.3	22	0.2	99	81	62	40	12	–	–	–	–	–	–	
TT Silent M 125	5"	high	2303	0.9	35	0.3	188	174	158	130	94	60	30	0	–	–	–	120/60
		low	1990	0.4	23	0.22	116	90	68	38	0	–	–	–	–	–	–	
TT Silent M 150	6"	high	2570	2.0	67	0.55	327	314	299	284	266	245	224	190	140	89	48	120/60
		low	1847	1.0	53	0.45	240	220	192	171	135	111	86	56	28	5	–	
TT Silent M 200	8"	high	2303	2.0	111	0.93	473	455	432	405	379	352	313	274	221	155	89	120/60
		low	1990	0.7	70	0.58	349	323	294	249	203	158	108	57	26	13	0	
TT Silent M 250	10"	high	2570	4.0	200	1.68	880	874	866	858	850	842	832	821	794	751	708	120/60
		low	1847	2.0	130	1.11	655	648	630	608	587	565	531	497	450	390	330	
TT Silent M 315	12"	high	2570	3.5	353	2.95	1050	1026	999	971	942	914	884	853	823	794	764	120/60
		low	1847	2.0	236	1.95	830	804	770	726	682	638	581	524	464	399	335	

* The parameters RPM, Watts, Amps are indicated at 0.2 in.W.G. 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 150 E	6"	3.8	3000	51	0.98	228	215	200	190	170	151	135	115	90	70	44	1.18	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 200 E	8"	3.9	3275	88	0.73	418	400	380	360	340	316	290	275	250	225	200	1.66	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.

VKP SERIES

Inline Centrifugal Fans w/ Backward Impeller

- Air flow capacity: up to **360** CFM
- Power consumption: **30-119** W
- Sound level: **3.7–4.5** Sones

Model	Duct Dia.	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"		
VKP 80 mini	3,15"	70	0,6	107	102	97	94	91	87	84	80	77	72	68	1,8	120 / 60
VKP 100 mini	4"	74	0,62	137	133	128	125	120	117	113	110	105	100	95	1,8	120 / 60
VKP 100	4"	30	0,27	104	98	94	89	84	77	69	61	52	43	33	1.2	120 / 60
VKP 125	5"	66	0,54	211	205	200**	194	188**	182	176**	171	165	155	147	2.4	120 / 60
VKP 125 Ver 02	5"	75	0,63	209	200	195	185	180	173	167	158	152	145	135	2,3	120 / 60
VKP 125/125*2	5" / 5"	74	0.61	244	234	223	213	204	194	183	170	160	150	140	1.9	120 / 60
VKP 150	6"	102	0,84	296	288	280**	270	262**	254	244**	235	226	216	207	3.0	120 / 60
VKP 150 Ver 02	6"	104	0,88	278	270	265	260	250	243	235	227	220	212	203	3,1	120 / 60
VKP 150/150*2	6" / 6"	119	1	360	348	332	316	302	289	272	259	245	223	220	3.0	120 / 60

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

VKPF SERIES

Inline Centrifugal Fans w/ Forward Impeller

- Air flow capacity: up to **267** CFM
- Power consumption: **80** W
- Sound level: **3.5** Sones

Model	Duct Dia.	Max. Watts*	Max. Amps*	Sones @10 ft	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"		
VKPF 125/125*2	5"	80	0.68	3.5	267	256	246	234	216	195	177	152	55	–	–	0.84	120/60

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

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

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 E	6"	Yes	0.44	51	3036	1.475	254	239	225	208	191	175	160	145	130	110	93	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 E	8"	Yes	0.75	89	3288	1.925	445	425	405	388	368	350	330	311	292	272	252	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 E	10"	Yes	1.20	144	2832	2.375	680	662	631	601	580	535	492	447	405	362	323	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 E	12"	Yes	1.22	146	2772	2.30	695	660	625	597	565	520	470	423	385	350	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.
E – Energy saving function

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

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

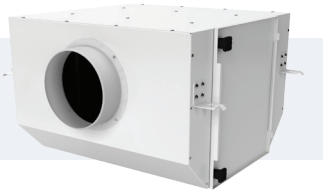
Sound-insulated destratification fan

- 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 SERIES

Filter box with filters

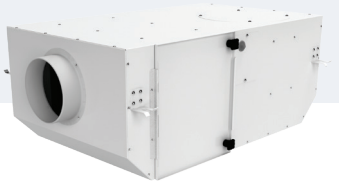


Max. filter cleaning efficiency: **98** %

Model	Duct Dia.	Max. filter cleaning efficiency	Filters	Pressure drop, in.W.G.
FB K2	4", 5", 6", 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

KSV DUO SERIES

Sound-insulated centrifugal fans with filters



- Air flow capacity: up to **371** CFM
- Power consumption: from **32** W
- Sound level: **0.25-1.8** Sones

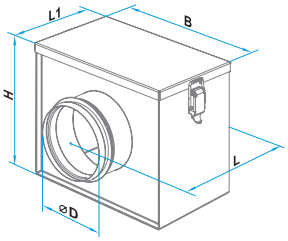
Model	Speed	Duct Dia.	RPM	Sound pressure at 10 ft [Sones]	Watts	Amps	Max. air flow [CFM (l/s)]	Transported air temp.[°F]	Ingress protection	PM 2.5 Ratio [%]	Volt/Hz
KSV 100 Duo G4	min	4"	700	0.25	34	0.15	99 (44)	-13...+104	IPX4	35	1~230/50
	max		1200	0.4	42	0.19	112 (53)			31	
KSV 100 Duo G4/F8 KSV 100 Duo G4/F8/C	min		700	0.25	33	0.15	88 (42)			94	
	max		1200	0.4	41	0.19	103 (49)			93	
KSV 100 Duo G4/H13 KSV 100 Duo G4/H13/C	min		700	0.25	32	0.15	82 (39)			99	
	max		1200	0.4	41	0.19	94 (44)			98	
KSV 150 Duo Q G4 KSV 150 Duo Q G4/C	min	6"	700	0.27	44	0.19	135 (64)			31	
	max		1200	0.5	52	0.23	200 (94)			23	
KSV 150 Duo Q G4/F8 KSV 150 Duo Q G4/F8/C	min		700	0.27	41	0.18	127 (60)			90	
	max		1200	0.5	50	0.22	182 (86)			87	
KSV 150 Duo Q G4/H13 KSV 150 Duo Q G4/H13/C	min		700	0.27	40	0.18	121 (57)			93	
	max		1200	0.5	48	0.21	168 (79)			92	
KSV 150 Duo G4 KSV 150 Duo G4/C	min	6"	700	0.29	92	0.41	188 (89)			47	
	max		1200	0.6	117	0.55	253 (119)			41	
KSV 150 Duo G4/F8 KSV 150 Duo G4/F8/C	min		700	0.29	89	0.41	177 (83)			95	
	max		1200	0.6	115	0.55	230 (108)			94	
KSV 150 Duo G4/H13 KSV 150 Duo G4/H13/C	min		700	0.29	85	0.38	165 (78)			98	
	max		1200	0.5	114	0.54	209 (99)			96	
KSV 200 Duo G4 KSV 200 Duo G4/C	min	8"	700	0.4	106	0.47	230 (108)			37	
	max		1200	1.8	123	0.59	371 (175)			28	
KSV 200 Duo G4/F8 KSV 200 Duo G4/F8/C	min		700	0.4	103	0.45	224 (106)			98	
	max		1200	1.8	121	0.57	347 (164)			97	
KSV 200 Duo G4/H13 KSV 200 Duo G4/H13/C	min		700	0.4	97	0.43	206 (97)			99	
	max		1200	1.8	119	0.55	309 (146)			98	

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

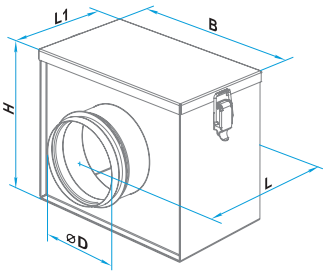


FBV SERIES

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

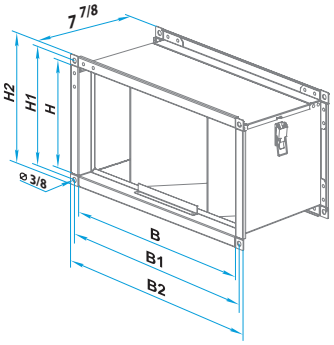


FB SERIES

Panel Filters

Model	Flange Diameter	Filters
FBV	400x200; 500x250; 500x300; 600x300; 600x350; 700x400; 800x500; 900x500; 1000x500	Filtering class MERV 8

Model	B	B1	B2	H	H1	H2	Weight [lb]
FB 400x200	15 3/4	16 1/2	17 3/8	7 7/8	8 5/8	9 1/2	5.3
FB 500x250	19 3/4	20 1/2	21 1/4	9 7/8	10 5/8	11 3/8	9.03
FB 500x300	19 3/4	20 1/2	21 1/4	11 3/4	12 5/8	13 3/8	9.7
FB 600x300	23 5/8	24 3/8	25 1/4	11 3/4	12 5/8	13 3/8	11.4
FB 600x350	23 5/8	24 3/8	25 1/4	13 3/4	14 5/8	15 3/8	12.7
FB 700x400	27 1/2	28 3/2	29 1/8	15 3/4	16 1/2	17 3/8	14.7
FB 800x500	31 1/2	32 1/4	33 1/8	19 3/4	20 1/2	21 1/4	17.4
FB 900x500	35 3/8	36 1/4	37	19 3/4	20 1/2	21 1/4	18.5
FB 1000x500	39 3/8	40 5/32	41	19 3/4	20 1/2	21 1/4	19.6

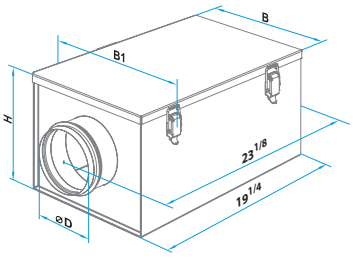


FBK SERIES

Bag Filters

Model	Flange Diameter	Filtering class
FBK	100 – 4" 125 – 5" 150 – 6" 200 – 8" 250 – 10" 315 – 12 3/8"	4 – MERV 8 5 – MERV 10 7 – MERV 13

Model	ØD	B	B1	H	Weight [lb]
FBK 100	3 7/8	8 1/4	9	6 3/4	5.3
FBK 125	4 7/8	8 5/8	9 1/2	8 1/8	5.9
FBK 150	5 7/8	10 5/8	11 3/8	9 1/4	7.05
FBK 160	6 1/4	10 5/8	11 3/8	9 1/4	7.18
FBK 200	7 7/8	12 5/8	13 3/8	10 7/8	8.28
FBK 250	9 3/4	14 5/8	15 3/8	15 1/4	9.67
FBK 315	12 3/8	16 7/8	17 3/4	15 3/8	11.39

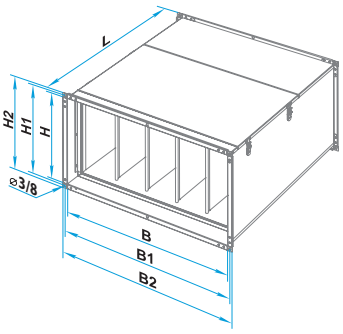


FBK SERIES

Bag Filters

Model	Flange Diameter	Filtering class
FBK SF	400x200; 500x250; 500x300; 600x300; 600x350; 700x400; 800x500; 900x500; 1000x500	4 – MERV 8 5 – MERV 10 7 – MERV 13

Model	B	B1	B2	H	H1	H2	L	Weight [lb]
FBK 400x200	15 3/4	16 1/2	17 3/8	7 7/8	8 5/8	9 1/2	19 3/4	13.6
FBK 500x250	19 3/4	20 1/2	21 1/4	9 7/8	10 5/8	11 3/8	23 5/8	17.19
FBK 500x300	19 3/4	20 1/2	21 1/4	11 3/4	12 5/8	13 3/8	23 5/8	18.29
FBK 600x300	23 5/8	24 3/8	25 1/4	11 3/4	12 5/8	13 3/8	23 5/8	19.62
FBK 600x350	23 5/8	24 3/8	25 1/4	13 3/4	14 5/8	15 3/8	23 5/8	20.94
FBK 700x400	27 1/2	28 3/8	29 1/8	15 3/4	16 1/2	17 3/8	28 3/8	35.71
FBK 800x500	31 1/2	32 1/4	33 1/8	19 3/4	20 1/2	21 1/4	31 1/2	44.97
FBK 900x500	35 3/8	36 1/4	37	19 3/4	20 1/2	21 1/4	31 1/2	47.84
FBK 1000x500	39 3/8	40 1/8	41	19 3/4	22 1/2	21 1/4	31 1/2	51.8



MANAGE IDEAL HUMIDITY FOR MAXIMUM COMFORT

CBF Series Bathroom Exhaust Ventilation Fans with High Performance that Built to Last

Wide range of options such as light, motion and humidity sensor.
Reduced noise level and increased performance for optimized comfort.

DC MOTOR TECHNOLOGY

LED LIGHT TECHNOLOGY

HUMIDITY SENSOR

MOTION SENSOR

SPEED SELECT TECHNOLOGY

TIMER

SMART CONTROL TECHNOLOGY

AIRFLOW ADJUST TECHNOLOGY

VENTS-US

CBF SERIES

Ceiling Bathroom Exhaust Fans

- Air flow capacity: up to **150** CFM
- Sound level: **0.7–3.7** Sones

CBF CBF Light

AC MOTOR CHARACTERICTICS

Model	Duct Dia.	Speed	Energy Star Qualified	Watts*	Amps*	RPM*	Sones*	CFM vs. Static Pressure in.W.G.							Max. Ps	Volt/Hz
								0"	0.1"	0.2"	0.25"	0.3"	0.4"	0.5"		
CBF 110	4"/6"	HS	Yes	27**	0.23	1036	2.0**	110	100**	84	75**	61	44	17	0.54	120/60
		LS		16**	0.17	854	0.7**	62	50**	33	27**	16	-	-	0.35	
CBF 130	4"/6"	HS	–	35**	0.3	1121	2.5**	130	120**	107	100**	91	66	35	0.6	120/60
		LS		23**	0.2	920	1.1**	79	70**	56	46**	37	20	-	0.49	
CBF 150	6"	HS	–	39	0.32	1320	4.0	162	150	136	129	122	108	73	0.71	120/60
		LS		23	0.26	1068	2.0	113	100	90	85	80	58	37	0.66	

* Indicated at 0.1 in.W.G.
** HVI certified ratings

DC MOTOR CHARACTERICTICS

CBF 110 DC

Static Pressure [in.W.G.]	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"
Air Volume [CFM]	110	102	101	98	90	90	80	80	70	70	60	58
Noise [Sones]	1.36	–	1.31	–	1.26	–	1.20	–	1.15	–	1.09	–
Power Consumption [W]	17	19	15	17	13	16	10	15	8	13	5	9
Energy Efficiency [CFM/W]	6.5	5.4	6.7	5.8	6.9	5.6	8.0	5.3	8.8	5.4	12.0	6.4
Speed [RPM]	1000	1200	964	1182	920	1145	880	1100	840	1055	800	1000
Max. Current [Amps]	0.3											
Power Rating [V/Hz]	120/60											
Energy Star Qualified	Yes											

CBF 150 DC

Static Pressure [in.W.G.]	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"
Air Volume [CFM]	150	120	140	118	130	117	120	112	110	106	100	98	90	88	80	79	70	69	60	59
Noise [Sones]	1.78	–	1.72	–	1.67	–	1.36	–	1.32	–	1.28	–	1.23	–	1.18	–	1.14	–	1.09	–
Power Consumption [W]	23	19	21	19	20	19	20	19	17	18	14	17	11	16	11	15	11	13	5	9
Energy Efficiency [CFM/W]	6.5	6.3	6.7	6.2	6.5	6.2	6.0	5.9	6.5	5.9	7.1	5.8	8.2	5.5	7.3	5.3	6.4	5.3	12.0	6.6
Speed [RPM]	1100	1200	1067	1193	1033	1190	1000	1174	967	1154	933	1128	900	1095	867	1066	833	1033	800	1000
Max. Current [Amps]	0.4																			
Power Rating [V/Hz]	120/60																			
Energy Star Qualified	Yes																			

Model	Airflow CFM	Speed Select Technology	DC Motor Technology	Airflow Adjust Technology	LED Light Technology	Smart Control Technology	Timer	Humidity Sensor	Motion sensor
	Airflow CFM	speed select	DC motor technology	adjustable airflow	LED	smart control	timer	humidity sensor	motion sensor
VENTS CBF 110	50 | 100	●	○	○	○	○	○	○	○
VENTS CBF 130	70 | 120	●	○	○	○	○	○	○	○
VENTS CBF 150	100 | 150	●	○	○	○	○	○	○	○
VENTS CBF 110 T	50 | 100	●	○	○	○	●	●	○	○
VENTS CBF 130 T	70 | 120	●	○	○	○	●	●	○	○
VENTS CBF 150 T	100 | 150	●	○	○	○	●	●	○	○
VENTS CBF 110 TH	50 | 100	●	○	○	○	●	●	●	○
VENTS CBF 130 TH	70 | 120	●	○	○	○	●	●	●	○
VENTS CBF 150 TH	100 | 150	●	○	○	○	●	●	●	○
VENTS CBF 110 TP	50 | 100	●	○	○	○	●	●	○	●
VENTS CBF 130 TP	70 | 120	●	○	○	○	●	●	○	●
VENTS CBF 150 TP	100 | 150	●	○	○	○	●	●	○	●
VENTS CBF 110 Light	50 | 100	●	○	○	●	○	○	○	○
VENTS CBF 130 Light	70 | 120	●	○	○	●	○	○	○	○
VENTS CBF 150 Light	100 | 150	●	○	○	●	○	○	○	○
VENTS CBF 110 Light T	50 | 100	●	○	○	●	●	●	○	○
VENTS CBF 130 Light T	70 | 120	●	○	○	●	●	●	○	○
VENTS CBF 150 Light T	100 | 150	●	○	○	●	●	●	○	○
VENTS CBF 110 Light TH	50 | 100	●	○	○	●	●	●	●	○
VENTS CBF 130 Light TH	70 | 120	●	○	○	●	●	●	●	○
VENTS CBF 150 Light TH	100 | 150	●	○	○	●	●	●	●	○
VENTS CBF 110 Light TP	50 | 100	●	○	○	●	●	●	○	●
VENTS CBF 130 Light TP	70 | 120	●	○	○	●	●	●	○	●
VENTS CBF 150 Light TP	100 | 150	●	○	○	●	●	●	○	●
VENTS CBF 110 DC	60 to 110	○	●	●	○	●	●	○	○
VENTS CBF 150 DC	60 to 150	○	●	●	○	●	●	○	○
VENTS CBF 110 DC TH	60 to 110	○	●	●	○	●	●	●	○
VENTS CBF 150 DC TH	60 to 150	○	●	●	○	●	●	●	○
VENTS CBF 110 DC TP	60 to 110	○	●	●	○	●	●	○	●
VENTS CBF 150 DC TP	60 to 150	○	●	●	○	●	●	○	●
VENTS CBF 110 DC Light	60 to 110	○	●	●	●	●	●	○	○
VENTS CBF 150 DC Light	60 to 150	○	●	●	●	●	●	○	○
VENTS CBF 110 DC Light TH	60 to 110	○	●	●	●	●	●	●	○
VENTS CBF 150 DC Light TH	60 to 150	○	●	●	●	●	●	●	○
VENTS CBF 110 DC Light TP	60 to 110	○	●	●	●	●	●	○	●
VENTS CBF 150 DC Light TP	60 to 150	○	●	●	●	●	●	○	●

● – included
○ – not included

LD 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	4"	2975	1.37	13.9	0.18	44	42	0.15	120/60
125 LD	5"	2400	2.16	15.5	0.19	79	63	0.16	120/60
150 LD	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.

VCN SERIES

Exterior Wall-Mounted Exhaust Centrifugal Fan

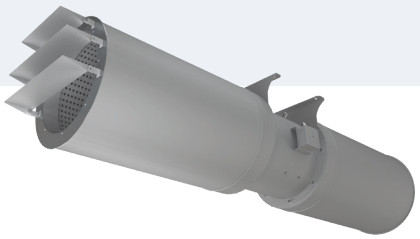
- Air flow capacity: up to **306** CFM
- Power consumption: **106–109** W
- Sound level: **7.1–8.1** Sones

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 125	5"	2950	7.10	108	248	231	213	146	25
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.

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	315 355 400 450 500 560 630	**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.

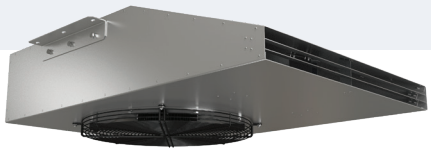
Ø [in]	Air flow direction	Number of speeds	Model	Unit voltage [V]	Frequence [Hz]	Power [kW]	Max. air capacity [CFM]	Fan pull [N]	Air speed [ft/s]	RPM	Operating temperature [°C]
12 3/8	Unidirectional	1	JAF-CI-315-2-U	3~400	50	0.55	2354	22	47	2880	-25 – +55 °C
			JAF-CI-315-2-U-300/2								300 °C/2 h
			JAF-CI-315-2-U-400/2								400 °C/2 h
			JAF-CI-315M-2-U	3~400	50	0.75	2825	30	56	2880	-25 – +55 °C
			JAF-CI-315M-2-U-300/2								300 °C/2 h
			JAF-CI-315M-2-U-400/2								400 °C/2 h
		2	JAF-CI-315-2/4-U	3~400	50	0.55/0.11	2354/1177	22/5.6	47/23	2880/1440	-25 – +55 °C
			JAF-CI-315-2/4-U-300/2								300 °C/2 h
			JAF-CI-315-2/4-U-400/2								400 °C/2 h
			JAF-CI-315M-2/4-U	3~400	50	0.8/0.2	2825/2400	30/7.6	56/28	2880/1440	-25 – +55 °C
			JAF-CI-315M-2/4-U-300/2								300 °C/2 h
			JAF-CI-315M-2/4-U-400/2								400 °C/2 h
	Reversible	1	JAF-CI-315-2-R	3~400	50	0.55	2354	22	47	2880	-25 – +55 °C
			JAF-CI-315-2-R-300/2								300 °C/2 h
			JAF-CI-315-2-R-400/2								400 °C/2 h
		2	JAF-CI-315-2/4-R	3~400	50	0.55/0.11	2354/1177	22/5.5	47/23	2880/1440	-25 – +55 °C
			JAF-CI-315-2/4-R-300/2								300 °C/2 h
			JAF-CI-315-2/4-R-400/2								400 °C/2 h
* Smoke extraction mode: once for two hours											
14	Unidirectional	1	JAF-CI-355-2-U	3~400	50	0.75	3470	36	54	2880	-25 – +55 °C
			JAF-CI-355-2-U-300/2								300 °C/2 h
			JAF-CI-355-2-U-400/2								400 °C/2 h
			JAF-CI-355M-2-U	3~400	50	1.1	4060	48	64	2880	-25 – +55 °C
			JAF-CI-355M-2-U-300/2								300 °C/2 h
			JAF-CI-355M-2-U-400/2								400 °C/2 h
		2	JAF-CI-355-2/4-U	3~400	50	0.8/0.2	3470/1700	36/9	54/27	2880/1440	-25 – +55 °C
			JAF-CI-355-2/4-U-300/2								300 °C/2 h
			JAF-CI-355-2/4-U-400/2								400 °C/2 h
			JAF-CI-355M-2/4-U	3~400	50	1.1/0.25	4060/2000	48/12	64/31	2880/1440	-25 – +55 °C
			JAF-CI-355M-2/4-U-300/2								300 °C/2 h
			JAF-CI-355M-2/4-U-400/2								400 °C/2 h
	Reversible	1	JAF-CI-355-2-R	3~400	50	1.1	3470	35	54	2880	-25 – +55 °C
			JAF-CI-355-2-R-300/2								300 °C/2 h
			JAF-CI-355-2-R-400/2								400 °C/2 h
		2	JAF-CI-355-2/4-R	3~400	50	1.1/0.25	3470/1700	35/9	57/27	2880/1440	-25 – +55 °C
			JAF-CI-355-2/4-R-300/2								300 °C/2 h
			JAF-CI-355-2/4-R-400/2								400 °C/2 h
* Smoke extraction mode: once for two hours											

Ø [in]	Air flow direction	Number of speeds	Model	Unit voltage [V]	Frequence [Hz]	Power [kW]	Max. air capacity [CFM]	Fan pull [N]	Air speed [ft/s]	RPM	Operating temperature [°C]
15 3/4	Unidirectional	1	JAF-CI-400-2-U	3~400	50	1.1	5000	57	62	2880	-25 – +55 °C
			JAF-CI-400-2-U-300/2								300 °C/2 h
			JAF-CI-400-2-U-400/2								400 °C/2 h
			JAF-CI-400M-2-U	3~400	50	2.2	5826	77	72	2880	-25 – +55 °C
			JAF-CI-400M-2-U-300/2								300 °C/2 h
			JAF-CI-400M-2-U-400/2								400 °C/2 h
15 3/4	Unidirectional	2	JAF-CI-400-2/4-U	3~400	50	1.1/0.25	5000/2470	57/14	62/30	2880/1440	-25 – +55 °C
			JAF-CI-400-2/4-U-300/2								300 °C/2 h
			JAF-CI-400-2/4-U-400/2								400 °C/2 h
			JAF-CI-400M-2/4-U	3~400	50	2.2/0.5	5826/2884	77/19	72/36	2880/1440	-25 – +55 °C
			JAF-CI-400M-2/4-U-300/2								300 °C/2 h
			JAF-CI-400M-2/4-U-400/2								400 °C/2 h
	Reversible	1	JAF-CI-400-2-R	3~400	50	1.5	4944	55	61	2880	-25 – +55 °C
			JAF-CI-400-2-R-300/2								300 °C/2 h
			JAF-CI-400-2-R-400/2								400 °C/2 h
		2	JAF-CI-400-2/4-R	3~400	50	1.5/0.37	4944/2470	55/13.9	62/30	2880/1440	-25 – +55 °C
			JAF-CI-400-2/4-R-300/2								300 °C/2 h
			JAF-CI-400-2/4-R-400/2								400 °C/2 h
* Smoke extraction mode: once for two hours											
17 3/4	Unidirectional	1	JAF-CI-450-2-U	3~400	50	1.5	6298	71	61.3	2880	-25 – +55 °C
			JAF-CI-450-2-U-300/2								300 °C/2 h
			JAF-CI-450-2-U-450/2								400 °C/2 h
			JAF-CI-450M-2-U	3~400	50	2.2	7000	88	68	2880	-25 – +55 °C
			JAF-CI-450M-2-U-300/2								300 °C/2 h
			JAF-CI-450M-2-U-400/2								400 °C/2 h
			JAF-CI-450S-2-U	3~400	50	3	7534	106	73	2880	-25 – +55 °C
			JAF-CI-450S-2-U-300/2								300 °C/2 h
			JAF-CI-450S-2-U-400/2								400 °C/2 h
		2	JAF-CI-450-2/4-U	3~400	50	1.5/0.37	6298/3119	71/18	61.3/30	2880/1440	-25 – +55 °C
			JAF-CI-450-2/4-U-300/2								300 °C/2 h
			JAF-CI-450-2/4-U-400/2								400 °C/2 h
			JAF-CI-450M-2/4-U	3~400	50	2.2/0.5	7000/3470	88/22	68/34	2880/1440	-25 – +55 °C
			JAF-CI-450M-2/4-U-300/2								300 °C/2 h
			JAF-CI-450M-2/4-U-400/2								400 °C/2 h
			JAF-CI-450S-2/4-U	3~400	50	2.5/0.65	7534/3767	106/26	73/37	2880/1440	-25 – +55 °C
			JAF-CI-450S-2/4-U-300/2								300 °C/2 h
			JAF-CI-450S-2/4-U-400/2								400 °C/2 h
	Reversible	1	JAF-CI-450-2-R	3~400	50	1.5	5945	63	58	2880	-25 – +55 °C
			JAF-CI-450-2-R-300/2								300 °C/2 h
			JAF-CI-450-2-R-450/2								400 °C/2 h
			JAF-CI-450M-2-R	3~400	50	2.2	6769	82	66	2880	-25 – +55 °C
			JAF-CI-450M-2-R-300/2								300 °C/2 h
			JAF-CI-450M-2-R-400/2								400 °C/2 h
			JAF-CI-450S-2-R	3~400	50	3	7180	96	70	2880	-25 – +55 °C
			JAF-CI-450S-2-R-300/2								300 °C/2 h
			JAF-CI-450S-2-R-400/2								400 °C/2 h
		2	JAF-CI-450-2/4-R	3~400	50	1.5/0.37	5945/2943	63/16	58/29	2880/1440	-25 – +55 °C
			JAF-CI-450-2/4-R-300/2								300 °C/2 h
			JAF-CI-450-2/4-R-400/2								400 °C/2 h
17 3/4	Reversible	2	JAF-CI-450M-2/4-R	3~400	50	2.2/0.5	6768/3355	82/20	65/33	2880/1440	-25 – +55 °C
			JAF-CI-450M-2/4-R-300/2								300 °C/2 h
			JAF-CI-450M-2/4-R-400/2								400 °C/2 h
			JAF-CI-450S-2/4-R	3~400	50	2.5/0.65	7181/3530	96/24	70/34	2880/1440	-25 – +55 °C
			JAF-CI-450S-2/4-R-300/2								300 °C/2 h
			JAF-CI-450S-2/4-R-400/2								400 °C/2 h
* Smoke extraction mode: once for two hours											

Ø [in]	Air flow direction	Number of speeds	Model	Unit voltage [V]	Frequence [Hz]	Power [kW]	Max. air capacity [CFM]	Fan pull [N]	Air speed [ft/s]	RPM	Operating temperature [°C]
19 3/4	Unidirectional	2	JAF-CI-500-2/4-U	3~400	50	3.1/0.8	9770/4826	143/36	77/38	2880/1440	-25 – +55 °C
			JAF-CI-500-2/4-U-300/2								300 °C/2 h
			JAF-CI-500-2/4-U-400/2								400 °C/2 h
			JAF-CI-500M-2/4-U	3~400	50	4.4/1.1	11065/5533	183/45	87/44	2880/1440	-25 – +55 °C
			JAF-CI-500M-2/4-U-300/2								300 °C/2 h
			JAF-CI-500M-2/4-U-400/2								400 °C/2 h
	Reversible	2	JAF-CI-500-2/4-R	3~400	50	2.5/0.65	8299/4120	103/25	65/33	2880/1440	-25 – +55 °C
			JAF-CI-500-2/4-R-300/2								300 °C/2 h
			JAF-CI-500-2/4-R-400/2								400 °C/2 h
			JAF-CI-500M-2/4-R	3~400	50	4.4/1.1	9417/4708	132/33	74/37	2880/1440	-25 – +55 °C
			JAF-CI-500M-2/4-R-300/2								300 °C/2 h
			JAF-CI-500M-2/4-R-400/2								400 °C/2 h
* Smoke extraction mode: once for two hours											
22	Unidirectional	2	JAF-CI-560-2/4-U	3~400	50	4.4/1.1	12595/6240	185/46	79/39	2880/1440	-25 – +55 °C
			JAF-CI-560-2/4-U-300/2								300 °C/2 h
			JAF-CI-560-2/4-U-400/2								400 °C/2 h
			JAF-CI-560M-2/4-U	3~400	50	8/2	14420/7180	245/61	90/45	2880/1440	-25 – +55 °C
			JAF-CI-560M-2/4-U-300/2								300 °C/2 h
			JAF-CI-560M-2/4-U-400/2								400 °C/2 h
	Reversible	2	JAF-CI-560-2/4-R	3~400	50	4.4/1.1	10712/5297	134/33	67/33	2880/1440	-25 – +55 °C
			JAF-CI-560-2/4-R-300/2								300 °C/2 h
			JAF-CI-560-2/4-R-400/2								400 °C/2 h
			JAF-CI-560M-2/4-R	3~400	50	6/1.5	12360/6180	177/44	78/39	2880/1440	-25 – +55 °C
			JAF-CI-560M-2/4-R-300/2								300 °C/2 h
			JAF-CI-560M-2/4-R-400/2								400 °C/2 h
* Smoke extraction mode: once for two hours											
24 3/4	Unidirectional	2	JAF-CI-630-2/4-U	3~400	50	12/3	17657/8830	298/74	88/44	2880/1440	-25 – +55 °C
			JAF-CI-630-2/4-U-300/2								300 °C/2 h
			JAF-CI-630-2/4-U-400/2								400 °C/2 h
			JAF-CI-630M-2/4-U	3~400	50	16/4	20894/10420	16 1/4/103	104/52	2880/1440	-25 – +55 °C
			JAF-CI-630M-2/4-U-300/2								300 °C/2 h
			JAF-CI-630M-2/4-U-400/2								400 °C/2 h
	Reversible	2	JAF-CI-630-2/4-R	3~400	50	12/3	17657/8830	300/75	88/44	2880/1440	-25 – +55 °C
			JAF-CI-630-2/4-R-300/2								300 °C/2 h
			JAF-CI-630-2/4-R-400/2								400 °C/2 h
			JAF-CI-630M-2/4-R	3~400	50	16/4	19423/9417	358/89	97/47	2880/1440	-25 – +55 °C
			JAF-CI-630M-2/4-R-300/2								300 °C/2 h
			JAF-CI-630M-2/4-R-400/2								400 °C/2 h

ICF SERIES

Impulse centrifugal fans



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

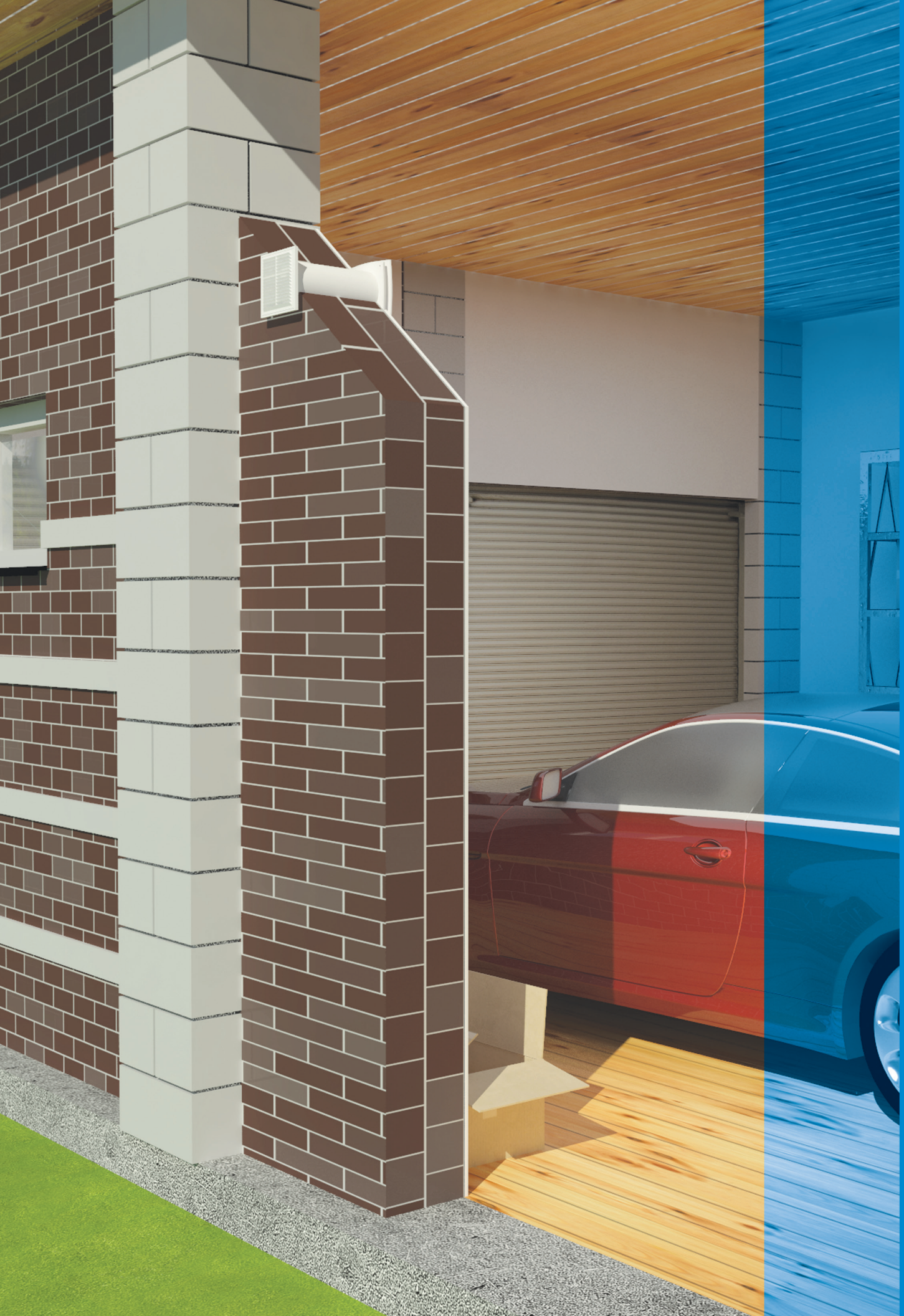
Motor rated power: **1.5-3** kW

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**

Exhaust gases, fumes, dust, smell, paint vapors and harmful substances, which can pose significant risks to human health. Installation of high quality and reliable exhaust ventilation in your garage will significantly reduce the presence of harmful substances, dampness and moisture.

VENTS-US

www.vents-us.com

GK LD/GK MA SERIES

Garage Ventilation Kit

- Air flow capacity: up to **109** CFM/**176** CFM
- Power consumption: **15.4–32.9** W/**19.2–35.2** W
- Sound level: **2.16–3.0** Sones/**2.6–2.7** Sones

LD Series

MA Series

Model	Duct Dia.	CFM	Sones	RPM	Max. Watts	Volt/Hz
GK 125 LD	5"	79	2.16	2400	15.4	120/60
GK 150 LD	6"	109	3.00	2337	32.9	120/60

Model	Duct Dia.	CFM	Sones	RPM	Max. Watts	Volt/Hz
GK 125 MA	5"	102	2.6	2150	19.2	120/60
GK 150 MA	6"	176	2.7	2130	35.2	120/60

GK CAP SERIES/GK MA CAP SERIES

Garage Ventilation Kit

- Air flow capacity: up to **109** CFM/**176** CFM
- Power consumption: **15.4–32.9** W/**19.2–35.2** W
- Sound level: **2.16–3.0** Sones/**2.6–2.7** Sones

LD CAP Series

MA CAP Series

Model	Duct Dia.	CFM	Sones	RPM	Max. Watts	Volt/Hz
GK 125 LD CAP	5"	79	2.16	2400	15.4	120/60
GK 150 LD CAP	6"	109	3.00	2337	32.9	120/60

Model	Duct Dia.	CFM	Sones	RPM	Max. Watts	Volt/Hz
GK 125 MA CAP	5"	102	2.6	2150	19.2	120/60
GK 150 MA CAP	6"	176	2.7	2130	35.2	120/60

VCN EXHAUST VENTILATION FAN SERIES

Garage Ventilation Kit

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

Model	Duct Dia.	CFM	Sones	RPM	Max. Watts	Volt/Hz
VCN Kit 100	4"	238	7.20	3100	108	120/60
VCN Kit 125	5"	248	7.10	2950	108	120/60
VCN Kit 150	6"	302	7.84	2250	109	120/60
VCN Kit 200	8"	306	8.10	2300	106	120/60

AIR DISTRIBUTION

VENTS-US

Products

Air Disc Valves

Plastic Round Grilles

Plastic Grilles

Metal Vent Grilles

Vent Plastic Caps

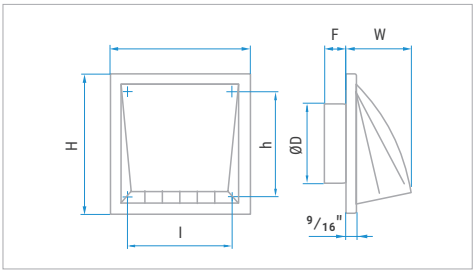
MV 102 VK/MV 122 VK/MV 152 VK

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

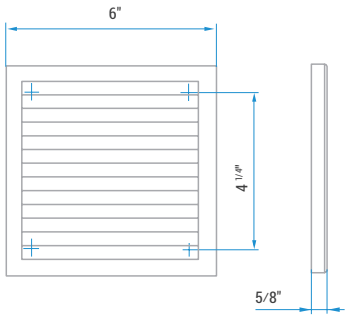


MV SERIES

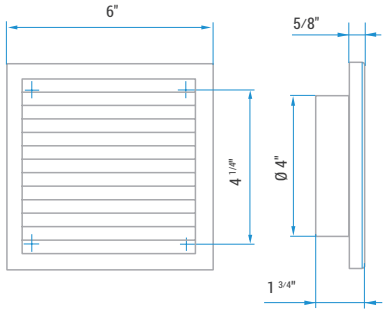
Plastic Grilles

- Fire resistant plastic material
- Manufactured of ABS plastic

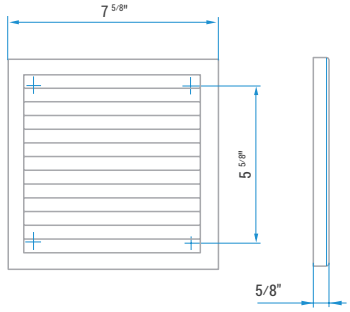
MV 100 s
Compatible with 4" duct w/o collar
Includes mosquito screen



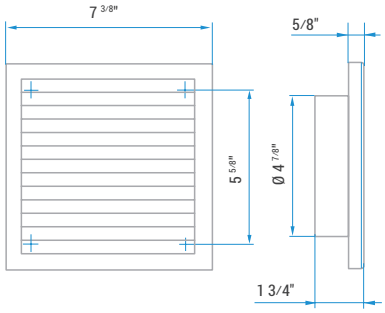
MV 100 Vs
Compatible with 4" duct w/ collar
Includes mosquito screen



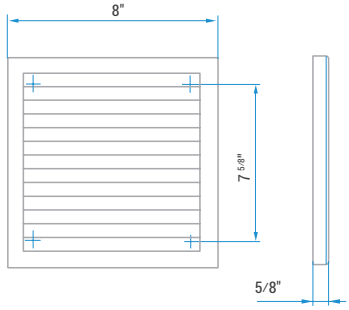
MV 120 s
Compatible with 5" duct w/o collar
Includes mosquito screen



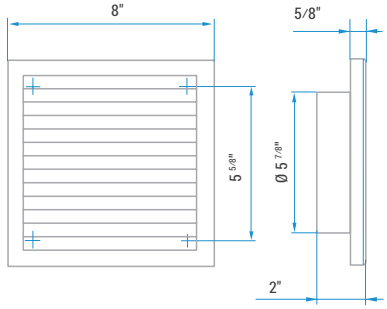
MV 120 Vs
Compatible with 5" duct w/ collar
Includes mosquito screen



MV 150 s
Compatible with 6" duct w/o collar
Includes mosquito screen



MV 150 Vs
Compatible with 6" duct w/ collar
Includes mosquito screen



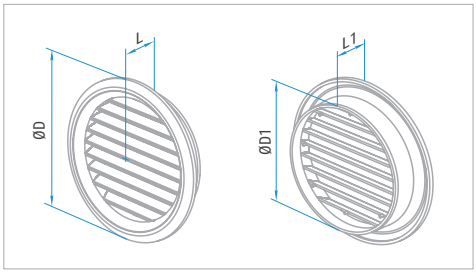
MV bVs

Plastic Round Grilles

- Fire resistant plastic material
- Manufactured of ABS plastic

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



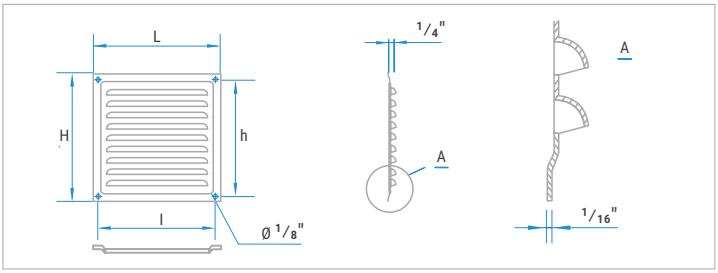
MVM SERIES

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"

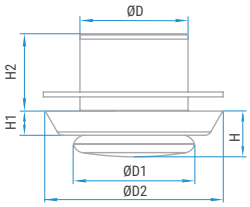


A-VRF SERIES

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"

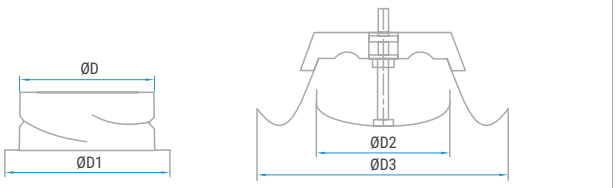


AM-VRF SERIES

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"

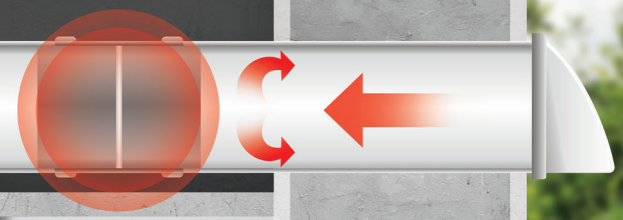


KOM U spring-loaded backdraft damper is manufactured of 24/26 gauge galvanized steel, contains rubber seal and it is especially designed to prevent backdraft. KOM U also prevents the entry of birds and other wildlife.

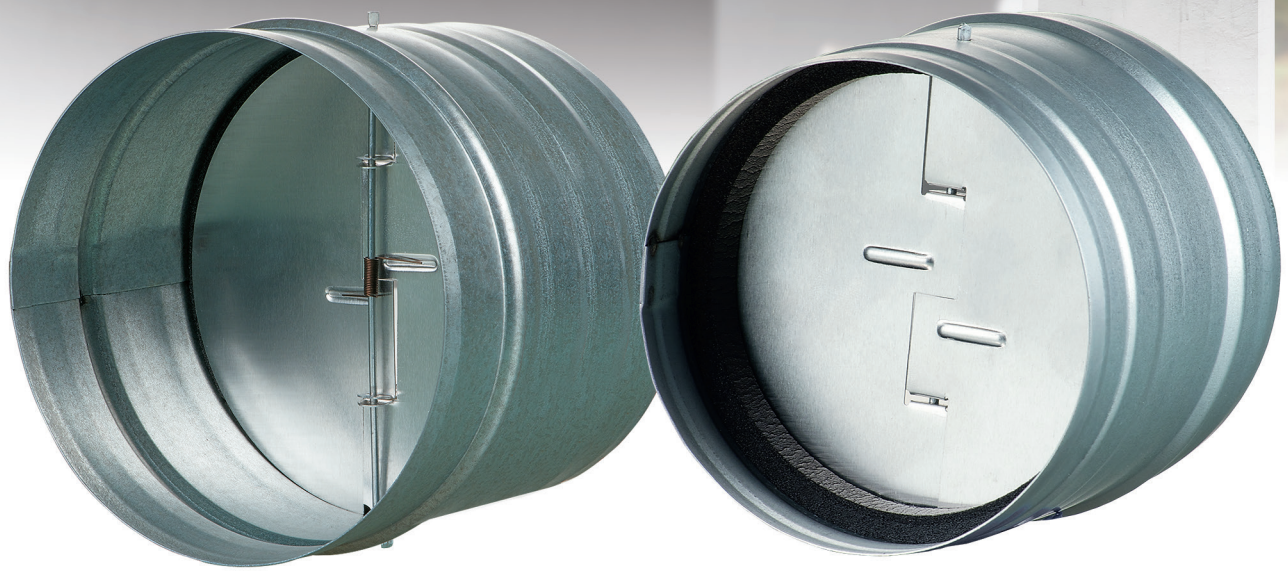
BACKDRAFT DAMPERS

VENTS-US

FAN IS OFF



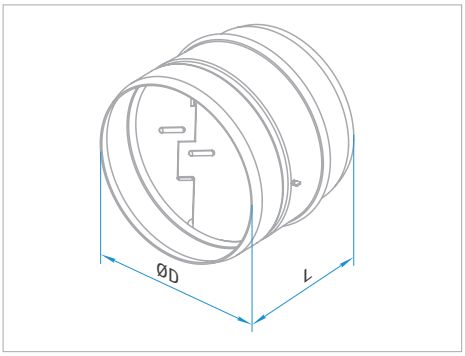
The air blades are closed by a spring to prevent backdraft when the fan is off



KOM U SERIES

Spring-Loaded Back Draft Dampers w/ Rubber Seal

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



Model	Steel Gauge	
	Thickness [mm]	Gauge
KOM U 100	0.5	26
KOM U 125	0.5	26
KOM U 150	0.7	24
KOM U 200	0.7	24
KOM U 250	0.7	24
KOM U 315	0.7	24

D/D2/DD SERIES

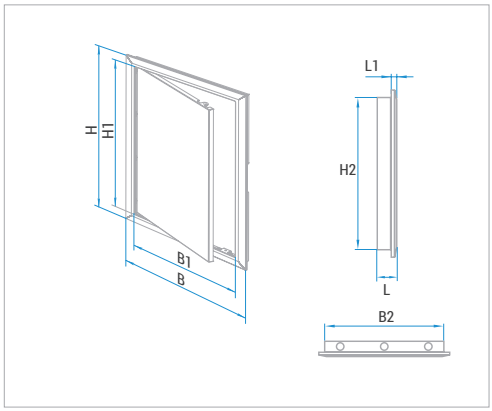
Access plastic doors

- Fire rated ABS plastic

D Series D2 Series DD Series

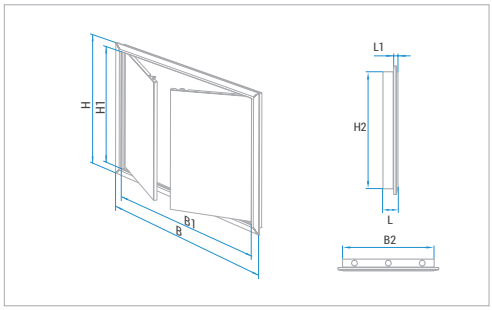
Model	Measurements [in.]							
	H2	B2	H	B	H1	B1	L	L1
D 150x150	5 3/4"	5 3/4"	6 5/8"	6 5/8"	4 7/8"	4 7/8"	1"	1/4"
D 150x200	7 3/4"	5 3/4"	8 1/2"	6 5/8"	6 3/4"	4 7/8"	1"	1/4"
D 200x200*	7 3/4"	7 3/4"	8 1/2"	8 1/2"	6 3/4"	6 3/4"	1"	1/4"
D 200x250*	9 3/4"	7 3/4"	10 1/2"	8 1/2"	8 3/4"	6 3/4"	1"	1/4"
D 200x300	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)

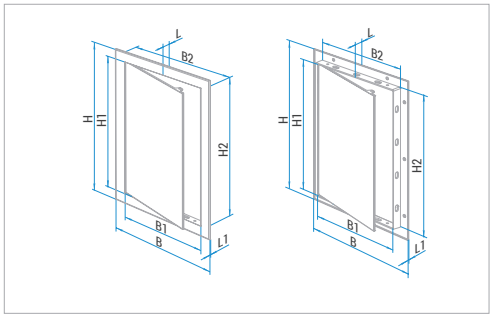


Model	Measurements [in.]							
	H2	B2	H	B	H1	B1	L	L1
D2 400x400*	15 5/8"	14 5/8"	16 3/8"	15 1/4"	14 5/8"	13 1/2"	1"	1/4"

*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"



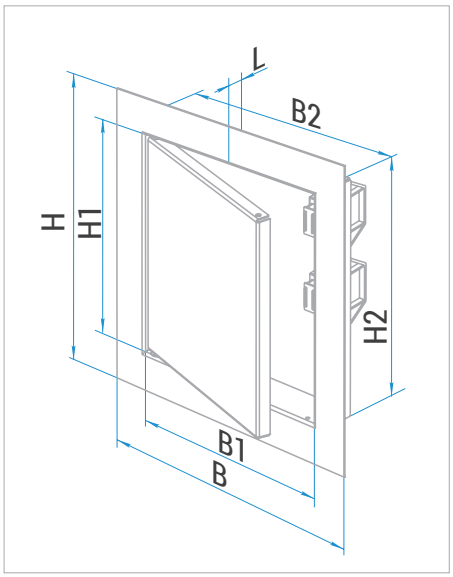
DM SERIES

Metal Access Doors

- High quality steel with powder coating

Model	Measurements [in.]						
	H2	B2	H	B	H1	B1	L
DM 100x100	3 7/8"	3 7/8"	5 3/8"	5 3/8"	3 3/4"	3 3/4"	1"
DM 150x150	5 7/8"	5 7/8"	7 3/8"	7 3/8"	5 3/4"	5 3/4"	1"
DM 150x200	7 3/4"	5 7/8"	9 1/4"	7 3/8"	7 3/4"	5 3/4"	1"
DM 150x250	9 3/4"	5 7/8"	11 1/4"	7 3/8"	9 3/4"	5 3/4"	1"
DM 150x300	11 3/4"	5 7/8"	13 1/4"	7 3/8"	11 5/8"	5 3/4"	1"
DM 200x200	7 3/4"	7 3/4"	9 1/4"	9 1/4"	7 3/4"	7 3/4"	1"
DM 200x250	9 3/4"	7 3/4"	11 1/4"	9 1/4"	9 3/4"	7 3/4"	1"
DM 200x300	11 3/4"	7 3/4"	13 1/4"	9 1/4"	11 5/8"	7 3/4"	1"
DM 200x350	13 3/4"	7 3/4"	15 1/4"	9 1/4"	13 5/8"	7 3/4"	1"
DM 200x400	15 5/8"	7 3/4"	17 1/4"	9 1/4"	15 5/8"	7 3/4"	1"
DM 200x500	19 5/8"	7 3/4"	21 1/8"	9 1/4"	19 1/2"	7 3/4"	1"
DM 225x300	11 3/4"	8 3/4"	13 1/4"	10 1/4"	11 5/8"	8 3/4"	1"
DM 225x590	23 1/8"	8 3/4"	24 5/8"	10 1/4"	23 1/8"	8 3/4"	1"
DM 250x250	9 3/4"	9 3/4"	11 1/4"	11 1/4"	9 3/4"	9 3/4"	1"
DM 250x300	11 3/4"	9 3/4"	13 1/4"	11 1/4"	11 5/8"	9 3/4"	1"
DM 250x350	13 3/4"	9 3/4"	15 1/4"	11 1/4"	13 5/8"	9 3/4"	1"
DM 250x400	15 5/8"	9 3/4"	17 1/4"	11 1/4"	15 5/8"	9 3/4"	1"
DM 250x450	17 5/8"	9 3/4"	19 1/8"	11 1/4"	17 5/8"	9 3/4"	1"
DM 300x200	7 3/4"	11 3/4"	9 1/4"	13 1/4"	7 3/4"	11 5/8"	1"
DM 300x300	11 3/4"	11 3/4"	13 1/4"	13 1/4"	11 5/8"	11 5/8"	1"
DM 300x400	15 5/8"	11 3/4"	17 1/4"	13 1/4"	15 5/8"	11 5/8"	1"
DM 300x500	19 5/8"	11 3/4"	21 1/8"	13 1/4"	19 1/2"	11 5/8"	1"
DM 300x600	23 1/2"	11 3/4"	25"	13 1/4"	23 1/2"	11 5/8"	1"
DM 350x350	13 3/4"	13 3/4"	15 1/4"	15 1/4"	13 5/8"	13 5/8"	1"
DM 400x400	15 5/8"	15 5/8"	17 1/4"	17 1/4"	15 5/8"	15 5/8"	1"
DM 400x500	19 5/8"	15 5/8"	21 1/8"	17 1/4"	19 1/2"	15 5/8"	1"
DM 400x600	23 1/2"	15 5/8"	25"	17 1/4"	23 1/2"	15 5/8"	1"
DM 450x250	9 3/4"	17 5/8"	11 1/4"	19 1/8"	9 3/4"	17 5/8"	1"
DM 450x450	17 5/8"	17 5/8"	19 1/8"	19 1/8"	17 5/8"	17 5/8"	1"
DM 500x500*	19 5/8"	19 5/8"	21 1/8"	21 1/8"	19 1/2"	19 1/2"	1"
DM 500x600	23 1/2"	19 5/8"	25"	21 1/8"	23 1/2"	19 1/2"	1"
DM 500x800	31 3/8"	19 5/8"	32 7/8"	21 1/8"	31 3/8"	19 1/2"	1"
DM 555x555	21 3/4"	21 3/4"	23 1/4"	23 1/4"	21 3/4"	21 3/4"	1"
DM 600x400	15 5/8"	23 1/2"	17 1/4"	25"	15 5/8"	23 1/2"	1"
DM 600x600	23 1/2"	23 1/2"	25"	25"	23 1/2"	23 1/2"	1"
DM 600x800	31 3/8"	23 1/2"	32 7/8"	25"	31 3/8"	23 1/2"	1"

*special order (not in stock)



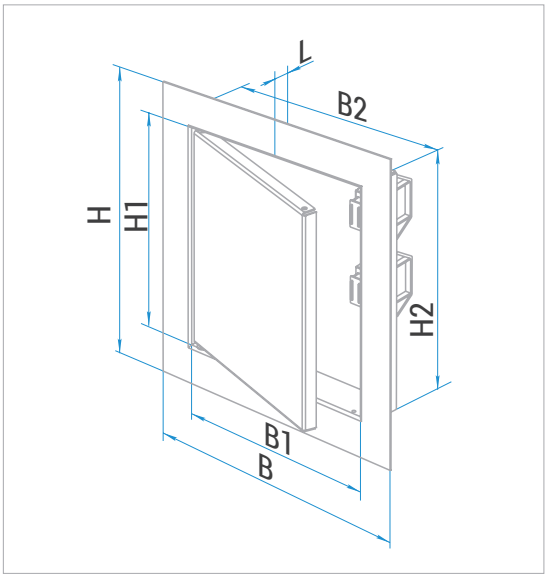
DMZ SERIES

Metal access door with Lock

- High quality steel with powder coating

Model	Measurements [in.]						
	H2	B2	H	B	H1	B1	L
DMZ 100x100	3 7/8"	3 7/8"	5 3/8"	5 3/8"	3 3/4"	3 3/4"	1"
DMZ 150x150	5 7/8"	5 7/8"	7 3/8"	7 3/8"	5 3/4"	5 3/4"	1"
DMZ 150x200	7 3/4"	5 7/8"	9 1/4"	7 3/8"	7 3/4"	5 3/4"	1"
DMZ 150x250	9 3/4"	5 7/8"	11 1/4"	7 3/8"	9 3/4"	5 3/4"	1"
DMZ 150x300	11 3/4"	5 7/8"	13 1/4"	7 3/8"	11 5/8"	5 3/4"	1"
DMZ 200x200	7 3/4"	7 3/4"	9 1/4"	9 1/4"	7 3/4"	7 3/4"	1"
DMZ 200x250	9 3/4"	7 3/4"	11 1/4"	9 1/4"	9 3/4"	7 3/4"	1"
DMZ 200x300	11 3/4"	7 3/4"	13 1/4"	9 1/4"	11 5/8"	7 3/4"	1"
DMZ 200x350	13 3/4"	7 3/4"	15 1/4"	9 1/4"	13 5/8"	7 3/4"	1"
DMZ 200x400	15 5/8"	7 3/4"	17 1/4"	9 1/4"	15 5/8"	7 3/4"	1"
DMZ 200x500	19 5/8"	7 3/4"	21 1/8"	9 1/4"	19 1/2"	7 3/4"	1"
DMZ 225x300	11 3/4"	8 3/4"	13 1/4"	10 1/4"	11 5/8"	8 3/4"	1"
DMZ 225x590	23 1/8"	8 3/4"	24 5/8"	10 1/4"	23 1/8"	8 3/4"	1"
DMZ 250x250	9 3/4"	9 3/4"	11 1/4"	11 1/4"	9 3/4"	9 3/4"	1"
DMZ 250x300	11 3/4"	9 3/4"	13 1/4"	11 1/4"	11 5/8"	9 3/4"	1"
DMZ 250x350	13 3/4"	9 3/4"	15 1/4"	11 1/4"	13 5/8"	9 3/4"	1"
DMZ 250x400	15 5/8"	9 3/4"	17 1/4"	11 1/4"	15 5/8"	9 3/4"	1"
DMZ 250x450	17 5/8"	9 3/4"	19 1/8"	11 1/4"	17 5/8"	9 3/4"	1"
DMZ 300x200	7 3/4"	11 3/4"	9 1/4"	13 1/4"	7 3/4"	11 5/8"	1"
DMZ 300x300	11 3/4"	11 3/4"	13 1/4"	13 1/4"	11 5/8"	11 5/8"	1"
DMZ 300x400	15 5/8"	11 3/4"	17 1/4"	13 1/4"	15 5/8"	11 5/8"	1"
DMZ 300x500	19 5/8"	11 3/4"	21 1/8"	13 1/4"	19 1/2"	11 5/8"	1"
DMZ 300x600	23 1/2"	11 3/4"	25"	13 1/4"	23 1/2"	11 5/8"	1"
DMZ 350x350	13 3/4"	13 3/4"	15 1/4"	15 1/4"	13 5/8"	13 5/8"	1"
DMZ 400x400	15 5/8"	15 5/8"	17 1/4"	17 1/4"	15 5/8"	15 5/8"	1"
DMZ 400x500	19 5/8"	15 5/8"	21 1/8"	17 1/4"	19 1/2"	15 5/8"	1"
DMZ 400x600	23 1/2"	15 5/8"	25"	17 1/4"	23 1/2"	15 5/8"	1"
DMZ 450x250	9 3/4"	17 5/8"	11 1/4"	19 1/8"	9 3/4"	17 5/8"	1"
DMZ 450x450	17 5/8"	17 5/8"	19 1/8"	19 1/8"	17 5/8"	17 5/8"	1"
DMZ 500x500	19 5/8"	19 5/8"	21 1/8"	21 1/8"	19 1/2"	19 1/2"	1"
DMZ 500x600	23 1/2"	19 5/8"	25"	21 1/8"	23 1/2"	19 1/2"	1"
DMZ 500x800	31 3/8"	19 5/8"	32 7/8"	21 1/8"	31 3/8"	19 1/2"	1"
DMZ 555x555	21 3/4"	21 3/4"	23 1/4"	23 1/4"	21 3/4"	21 3/4"	1"
DMZ 600x400	15 5/8"	23 1/2"	17 1/4"	25"	15 5/8"	23 1/2"	1"
DMZ 600x600	23 1/2"	23 1/2"	25"	25"	23 1/2"	23 1/2"	1"
DMZ 610x610*	23 7/8"	23 7/8"	26 1/8"	26 1/8"	23 7/8"	23 7/8"	1"
DMZ 600x800	31 3/8"	23 1/2"	32 7/8"	25"	31 3/8"	23 1/2"	1"
DMZ 762x762*	21 3/4"	29 7/9"	32"	32"	30"	30"	1"

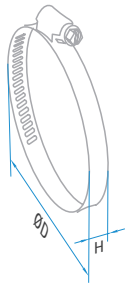
*special order (not in stock)



C SERIES
Hose Clamps

- Stainless Steel Hose Clamps
- Stainless steel corrosion resistance

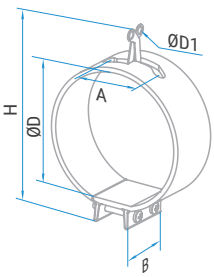
Model	Measurements [in]	
	Ø D	H
C 100	3 1/2" – 4 1/4"	3/8"
C 125	4 1/4" – 5 1/8"	3/8"
C 150	5 1/2" – 6 1/4"	3/8"
C 160	5 7/8" – 6 3/4"	3/8"
C 200	7 1/2" – 8 1/4"	3/8"
C 250	9 1/2" – 10 1/4"	3/8"
C 315	11 3/4" – 13"	3/8"



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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