

DESCRIPTION

VENTS' ERV 120 R EC are the complete whole house ventilation system designed to bring a continuous supply of fresh air into the house while exhausting an equal amount of stale air. Five year warranty.



CASING

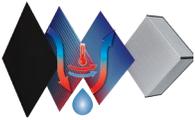
- Steel casing is covered with high-quality multilayer aluminium and zinc alloy to prevent corrosion.
- The casing is equipped with a switch to turn the ventilator off when the service panel is opened.

AIR FILTRATION

- Washable MERV 6 air filters in exhaust and supply air streams.
- Optional supply: MERV 13 supply filter.

ENERGY RECOVERY CORE

Enthalpic core provides both heat&humidity recovery. For enthalpic core no drain required.



FANS

High efficient electronically commutated motors with external motor and impeller with forward curved blades. EC motors are featured with high performance and total speed controllable range. The electric motors and impellers are dynamically balanced.

DEFROST SYSTEM

Recirculation or only exhaust defrost modes are available.

CONSTANT FLOW

Recirculation or only exhaust defrost modes are available. Frigate ERV 120 R EC CF has 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.

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 controls the rotation speed of a respective fan in such a way that the actual rotations speed is equal to the set value.

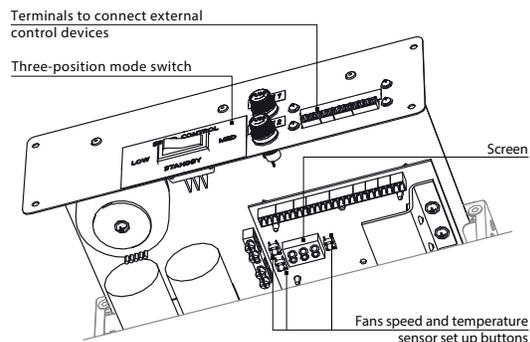
MANUAL BALANCING

Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0%-100%).

CONTROL BOARD

The unit incorporates an integrated control system with following functions:

- Operation mode switch.
- Airflow balancing enabled by supply and exhaust fan independent speed adjustment from 0 to 100% (percentage is displayed on built in screen).
- Automatic recovery core frost protection.
- External control device connection (up to 5 at the same time).



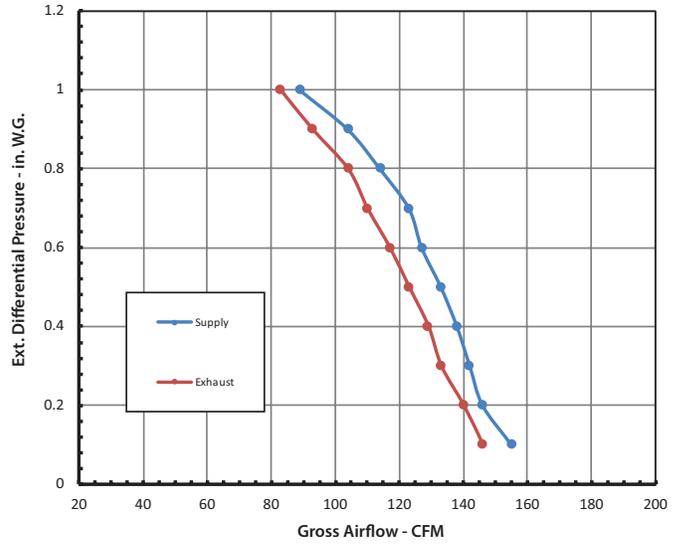
SUITABLE FOR:

Bathroom / kitchen / apartments / cottages / small offices.

PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW				POWER*
				SUPPLY		EXHAUST		
Pa	in. W.G.	L/s	CFM	L/s	CFM	L/s	CFM	Watts
25	0.1	71	150	73	155	69	146	128
50	0.2	68	144	69	146	66	140	124
75	0.3	66	140	67	142	63	133	119
100	0.4	63	133	65	138	61	129	115
125	0.5	61	129	63	133	58	123	111
150	0.6	59	125	60	127	55	117	107
175	0.7	56	119	58	123	52	110	101
200	0.8	53	112	54	114	49	104	96
225	0.9	48	102	49	104	44	93	89
250	1	41	87	42	89	39	83	78

* - not HVI-certified



SOUND*
1.5 Sones (30 L/s @ 0.2 in. W.G.)

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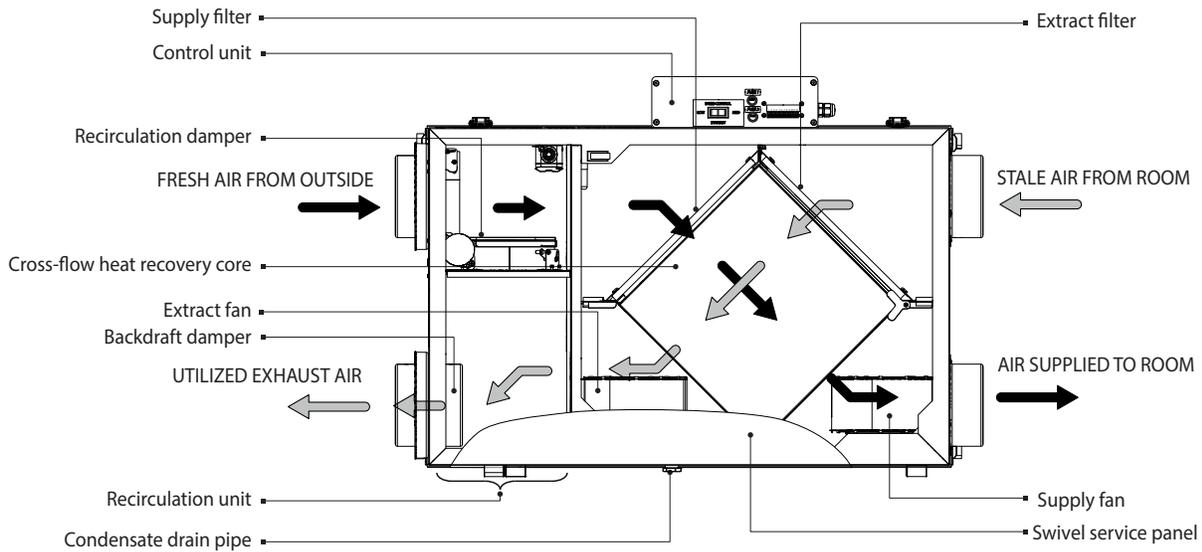
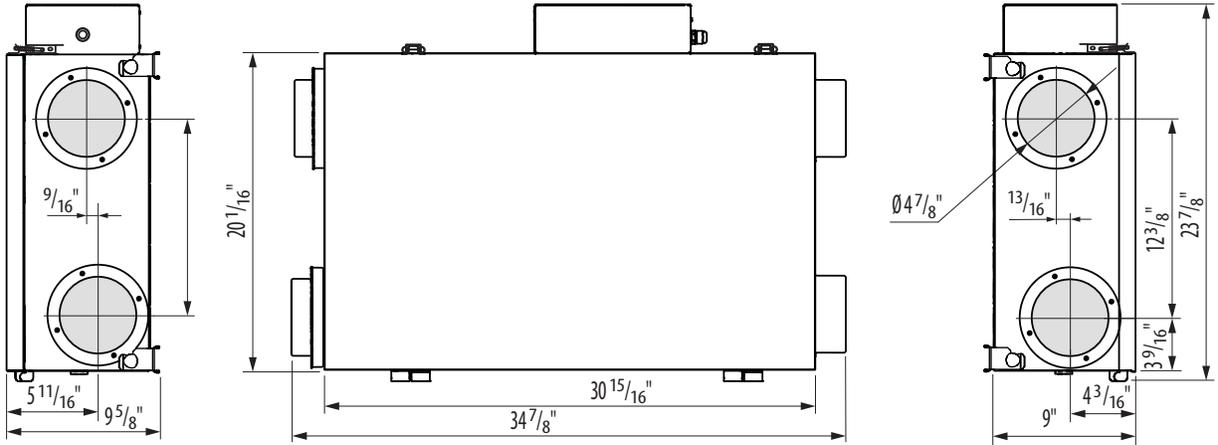
Temp Mode	Supply Temp (°C)	Supply Temp (°F)	Net Airflow (L/s)	Net Airflow (CFM)	Watts	SRE	ASRE	Latent Recovery/Moisture Transfer	TRE*	ATRE*	VLTVR Supply	VLTVR Exhaust	Very Low Temp Airflow Imbalance
HEATING	0	32	24	51	18	71	74	0.55					
HEATING	0	32	30	64	24	70	72	0.50					
HEATING	0	32	47	100	50	65	69	0.41					
HEATING	-25	-13	26	55	53	48	50	0.35			22.4	19.8	97
COOLING	35	95	24	51	20			0.40	49	50			
COOLING	35	95	30	64	26			0.41	47	49			

* Indicates total recovery efficiency, not sensible recovery efficiency

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

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 Fax: 513-268-4597 VentsUS.com
 400 Murray Rd,
 Cincinnati, OH 45217



DIMENSIONS


MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by: