

DESCRIPTION

Cutter HRV 150 PR 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.

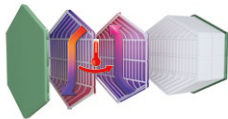
- Cutter HRV 150 PR EC - left-handed version
- Cutter HRV 150 PR EC M - right-handed version

AIR FILTRATION

Washable MERV 5 air filters in exhaust and supply air streams. Optional: MERV 13 supply filter.

HEAT RECOVERY CORE

Counterflow heat exchanger provides heat recovery.



FANS

Efficient electronically commutated motors with external rotor. EC motors are featured with high performance and total speed controllable range. The electric motors and impellers are dynamically balanced.

DEFROST SYSTEM

Supply fan stop.

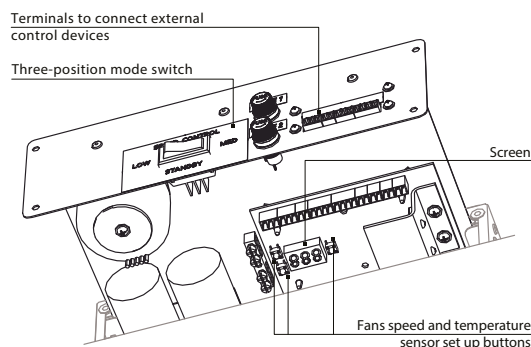


MANUAL BALANCING

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 SYSTEM

- 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).
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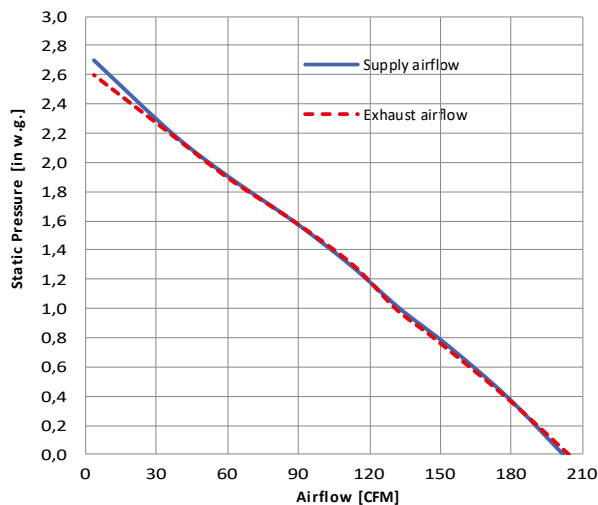


SUITABLE FOR:

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
0	0	95	203	95	203	96	205	169,5
100	0,4	84	179	84	179	84	178	169,4
200	0,8	71	151	72	153	70	148	169,5
250	1	63	134	63	133	62	132	169,5
325	1,3	53	113	53	112	53	113	169,5
400	1,6	41	87	42	88	41	88	169,5
475	1,9	29	62	29	61	28	60	169,5
550	2,2	17	36	17	37	17	36	169,5
675	2,7	2	4	2	4	2	4	169,5



Sound-power level*, A - weighted	LpA, 1m	LpA, 3m
	Sones	Sones
Air flow 177 CFM; 0.4 in. W.G.	3,1	1,6
Air flow 114 CFM; 0.2 in. W.G.	1,6	0,8
Air flow 63 CFM; 0.1 in. W.G.	0,7	0,4

* - not HVI-certified

	Temp Mode	Supply Temp (°C)	Supply Temp (°F)	Net Airflow (L/s)	Net Airflow (CFM)	Average Power (Watts)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	cfm / W
HEATING	I	0	32	30	64	14	88	90	0,00	4,63
	II	0	32	54	115	46	86	89	0,00	2,49
	III	0	32	89	189	171	79	86	0,00	1,10
	IV	-25	-13	26	55	34	64	66	0,00	1,64
COOLING	V	35	95	31	66	19	67**	70	0,00	3,52

** Indicates total recovery efficiency, not sensible recovery efficiency 250 Pa = 1 in. of water: 0.47 L/s = 1 cfm

UNIT ELECTRICAL CHARACTERISTICS

Voltage/Phase - 120/1

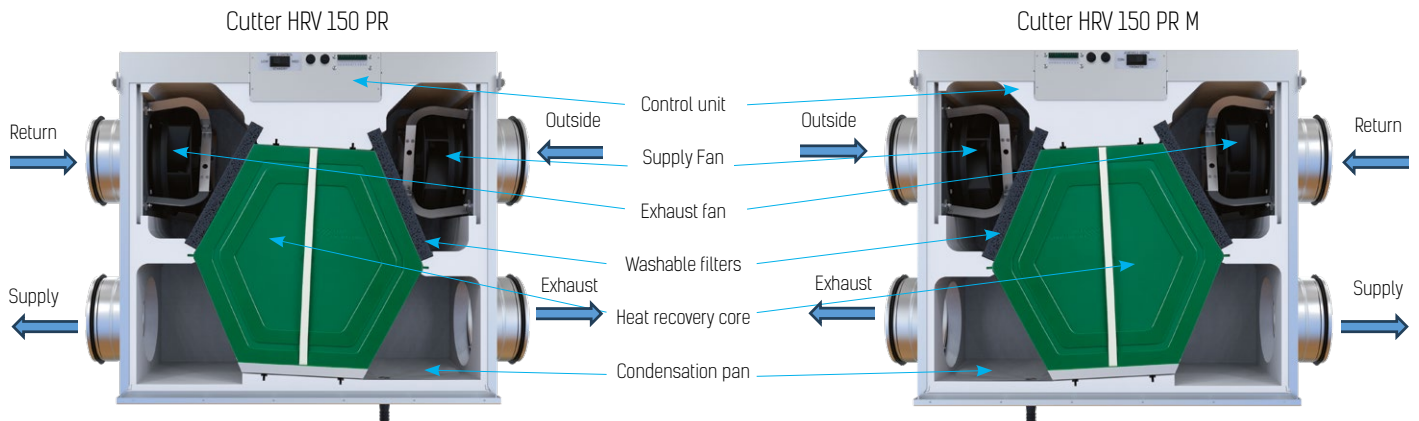
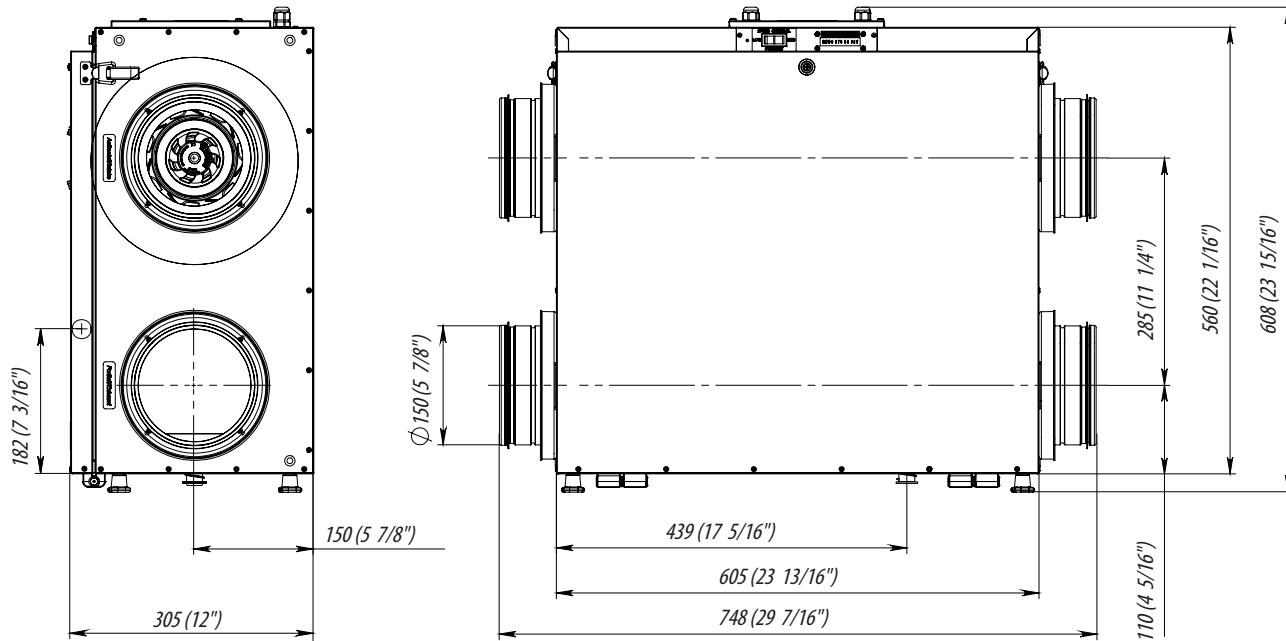
Rated power - 170 W

Maximum amperage - 2.1 A

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

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 400 Murray Rd,
 Cincinnati, OH 45217

DIMENSIONS


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