

Whole house balanced ventilation just got a lot more flexible.

Any way you mount it Broan's HRV190FLS adds up to fresher air. We simplified installation with a 180° flippable design, enabling flexible placement in any application to save time and money. Heat is transferred from incoming cold, fresh air to outgoing warm air—without mixing them. That means 80% of the energy you paid for stays inside, and humidity levels are optimized for greater comfort. Step up to fresh, filtered air and a healthier environment.

Ideal for mid to large homes.

- Flippable for installation flexibility
- Powerful intake/exhaust airflow
- Very quiet operation ensures homeowner comfort
- Quick, effective airflow adjustability
- Pressure taps, balancing dampers and straps for insulated ducts ensure quick, effective installation
- Integrated "Snap-in" drain system

Model number	HRV190FLS
Ports location/size	Side Flippable/6"
Min/Max continuous airflow (CFM at 0.2 w.g.)	82–215
Min/Max continuous airflow (CFM at 0.4 w.g.)	82–192
Electrical consumption	71W
Apparent sensible efficiency at 32°F	75%
Sensible recovery efficiency at 32°F	65%
Sensible recovery efficiency at -13°F	60%
Filtration	15PPI Washable
Dimensions (HxWxD inches)	17 x 35 x 18
Defrosting system	Recirculation
Warranty on parts/core	5 years/ Limited lifetime
Weight (approximately)	65 lbs. (29.5 kg)
Control compatibility	VT6W, VB60W, VT4W, VT8W, VT7W



Flexible 180° Installation



1 Fresh air from outside

2 Exhaust air from building

3 Exhaust air to outside

4 Fresh air to building



HRV190FL

Part HRV190FLS

82 to 192 CFM (0.4 in. w.g.)



VB0298

THE ONE HRV YOU NEED FOR OPTIMAL INDOOR AIR QUALITY

Homeowners who want the best in heat-recovery ventilation choose the HRV190FL for its power, reliability and very quiet operation. When used along with the VT8W IAQ wall control with SMART mode (automated ventilation based on indoor relative humidity and outdoor temperature), the HRV190FL allows you to optimize your ventilation and your energy consumption. The HRV190FL represents over 15 years of continuous improvement to deliver contractors the durability and reliability they have come to expect from Broan.

- Maintenance free, totally enclosed, sealed bearings motor; prevents dust from entering
- Pressure taps, balancing dampers and straps for insulated ducts for quick, effective installation
- Integrated "snap-in" drain system installs in seconds with no additional parts
- Reversible for greater installation flexibility
- Recirculation mode, available with VT8W or VT7W main control, to move air in homes without forced-air heating
- Very quiet operation

REPAIRS AND MAINTENANCE

All parts of the HRV190FL can be removed in less than five minutes, allowing direct access for easy repairs. The low power consumption motor is permanently lubricated. Finally, the electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

WARRANTY

The HRV190FL is protected by a 5-year warranty on parts. The heat recovery core is covered by a lifetime warranty, with the original proof of purchase.

HEAT RECOVERY VENTILATOR

Controls

- This unit is very simple to operate. Once it is installed, press on its push button, located on the bottom of the unit, to activate it. Press once for low speed, once again for high speed, and once more to stop it.
- For more convenience, this unit can also be controlled by an optional main control. For a complete list of optional main and auxiliary controls available, refer to the **Wall Control Compatibility Chart** on last pages of wall controls specification sheet.
- For more details about controls, refer to the **Main and auxiliary wall controls** user guide.

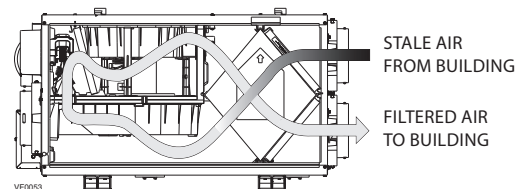
Options

- Complete line of registers and diffusers

Defrosting System

The HRV190FL uses an efficient defrosting method. No negative pressure is created by air exhausted to the outdoors, as the air is recirculated into the house, helping to prevent any backdraft.

OUTDOOR TEMPERATURE		DEFROST CYCLE (MINUTES)
°C	°F	DEFROST / OPERATION
WARMER THAN -5	WARMER THAN 23	NO DEFROST
-5 TO -15	23 TO 5	6 / 50
-15 TO -27	5 TO -17	6 / 25
-27 AND LESS	-17 AND LESS	10 / 20



Heat Recovery Core

Dimensions: 12" x 14" x 15.5"

Exchange surface: 102 ft²

Weight: 6.2 lb.

Material: Polypropylene

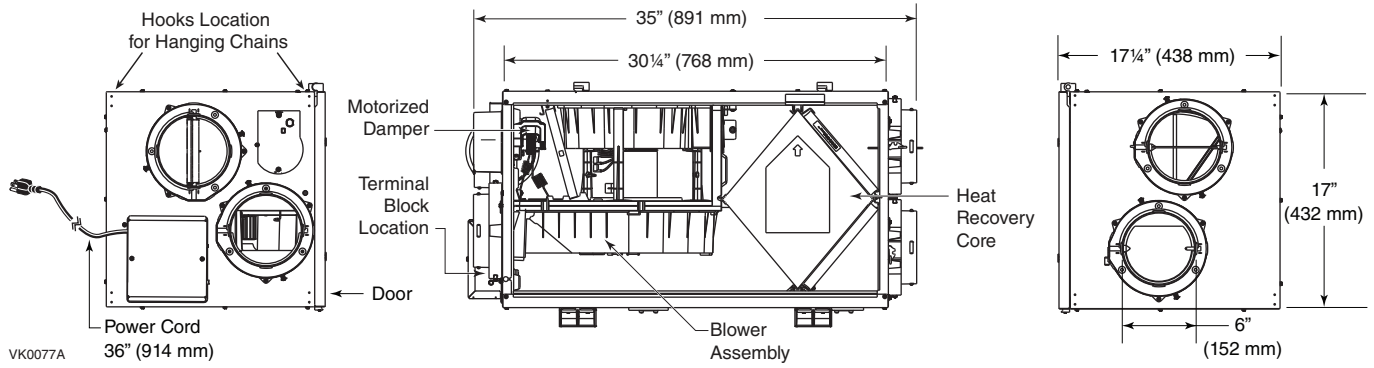
Type: Crossflow core

Warranty: Limited Lifetime

Requirements and Standards

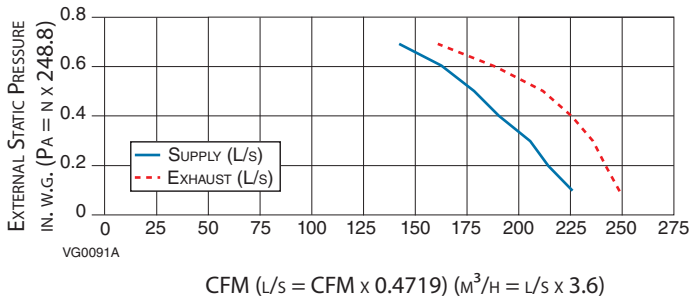
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of tests relating to CSA C439 Standards
- HVI certified

DIMENSIONS: HRV190FL



VENTILATION PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW						
PA	IN. W.G.	L/S	CFM	M ³ /H	SUPPLY			EXHAUST		
PA	IN. W.G.	L/S	CFM	M ³ /H	L/S	CFM	M ³ /H	L/S	CFM	M ³ /H
25	0.1	106	225	382	107	227	386	118	249	423
50	0.2	102	216	365	102	216	367	115	243	413
75	0.3	96	203	347	97	205	348	111	235	399
100	0.4	90	191	326	91	193	328	107	226	384
125	0.5	83	176	301	84	179	304	100	211	358
150	0.6	76	161	274	76	162	275	89	189	321
175	0.7	67	142	241	67	143	243	75	159	270

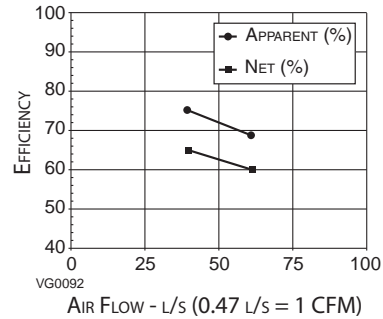


ENERGY PERFORMANCE

SUPPLY TEMPERATURE		NET AIR FLOW			POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS*	LATENT RECOVERY MOISTURE TRANSFER
°C	°F	L/S	CFM	M ³ /H					
HEATING									
0	32	39	83	139	71	65	70	75	0.0
0	32	61	129	221	129	60	67	69	0.0
-25	-13	40	85	143	114	60	65	76	0.0

*Data not certified by HVI.

NOTE: All specifications are subject to change without notice.



SPECIFICATIONS AND RATINGS

- Model: HRV190FL
- Part HRV190FLS
- Total Assembled Weight (including polypropylene core): 65 lb.
- Drains: 1/2" fittings with 10 ft. PVC drain hose
- Filters: 15 ppi washable reticulated foam 15.375" x 7.125" x 0.75"
- 6" Round Ports
- Housing: Pre-painted steel
- Insulation: Expanded polystyrene
- Mounting: Suspension by chains and springs
- Supply & Exhaust Blower Motor: 1 PSC Motor
 - Protection type: Thermally protected
 - Insulation class: B
- Speed Control on unit: Low and High speeds. Other modes available with optional main wall controls.
- Heat Recovery Core:
 - Heat Exchange Surface Area: 102 ft.² (9.54 m²)
 - Type: Crossflow
 - Material: Polypropylene
- Unit Electrical Characteristics: 120 volts, 60 Hz, 2.1 amps, 195 watts

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