



# BRIG HRV 120/170 & 200/300

## Heat Recovery Ventilator

A Heat Recovery Ventilator is a 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.

### FEATURES

- Efficient centralized heat recovery ventilation
- Cross flow core with SRE up to 85%
- Silent operation
- Replaceable filters
- Simple installation and maintenance
- Compatible with 6" and 8" air ducts
- Electronic defrost protection
- 3 year warranty

### CASING

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

### FILTER

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

### HEAT RECOVERY CORE

Specially designed polymer plate core ensure the top heat recovery efficiency. Whenever heat recovery is not required for unit operation the heat exchanger block can be easily replaced by a "summer" block. The unit is also equipped with the drain pan for condensate.

### DEFROST SYSTEM

To protect the heat recovery core, the electronic freezing protection system is applied. It switches the supply fan off as the temperature sensor requires. Warm extract air defrosts the heat recovery core, then the supply fan switches on and the ventilator continues operating under rated conditions.

### MOUNTING

The unit can be mounted in most positions and in most spaces. Please refer to installation manual for instructions and details.

### MOTORS

German made high-efficient motor combined with backward inclined impeller delivers exceptionally powerful airflow and high static pressure. Built-in thermal overheating protection with automatic restart makes the motor operation secure and reliable. Permanently lubricated ball bearings inside the motor provide long (40000 hours) trouble- and maintenance-free operation.

### FANS

The ventilator is equipped with supply and exhaust centrifugal fans with backward inclined blades and built-in thermal overheating protection with automatic restart. The electric motors and the impellers are dynamically balanced in two planes.

### CONTROL

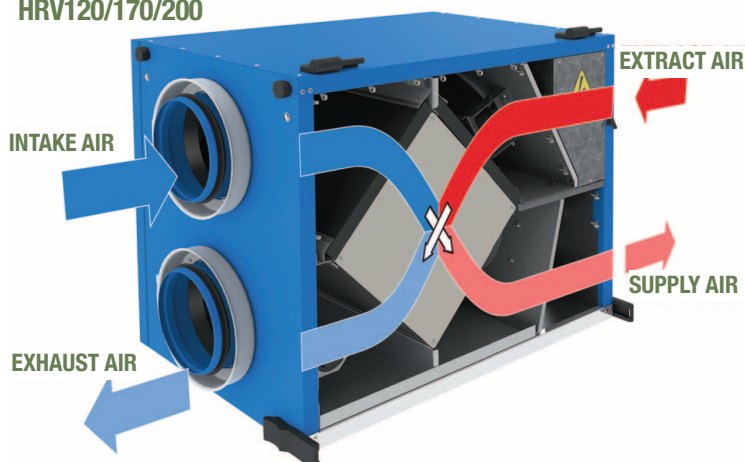
- The ventilator is equipped with 3-step switch on it's side panel to choose STANDBY, LOW or MEDIUM mode for continuous operation.
- The unit can be equipped with wide range of additional controls to switch boost on demand.

### ACCESSORIES

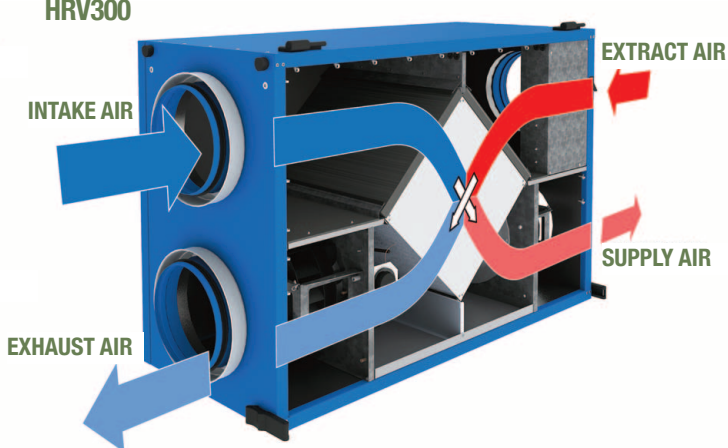
- Air Disk Valve
- Backdraft Damper
- Clamps

For more information on available accessories, see pages J8-J11 in Accessories & Motors section.

#### HRV120/170/200



#### HRV300



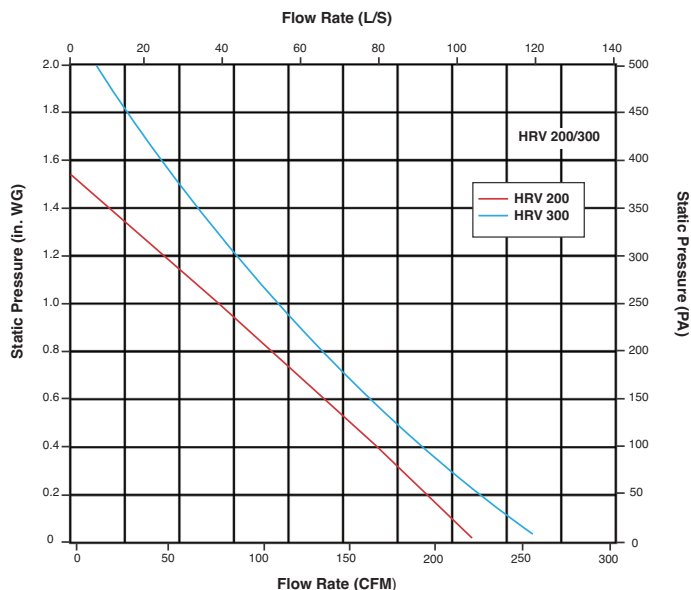
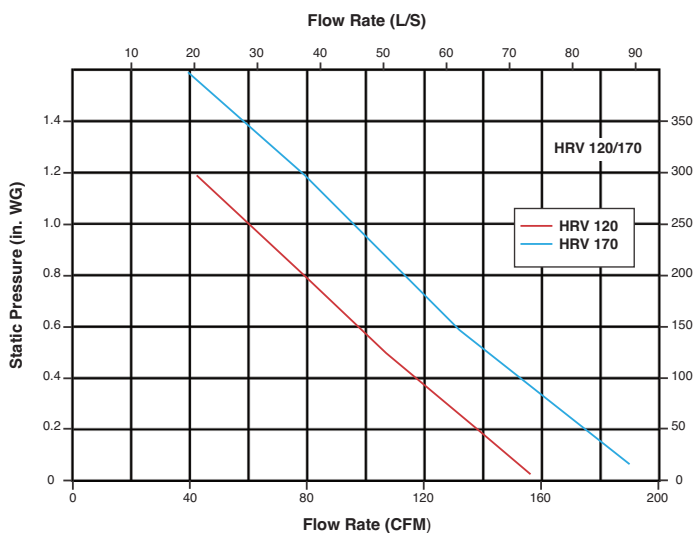
# BRIG HRV 120/170 & 200/300

## PERFORMANCE SPECIFICATIONS

MODEL	VOLTS	MAX WATTS	MAX AMPS	RPM	DUCT DIA.	NET SUPPLY AIRFLOW CFM (L/s)											
						EXT. STATIC PRESSURE IN. WG (Pa)											
						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	120V, 60Hz	147	1.25	2590	6"	151 (71)	141 (67)	130 (61)	121 (57)	111 (52)	102 (48)	92 (43)	81 (38)	70 (33)	59 (28)	-	-
HRV 170	120V, 60Hz	214	1.85	3040	6"	188 (89)	180 (85)	171 (81)	162 (77)	152 (72)	142 (67)	131 (62)	119 (56)	109 (51)	99 (47)	79 (37)	53 (25)
HRV 200	120V, 60Hz	224	1.8	3040	6"	213 (101)	200 (94)	187 (88)	173 (82)	159 (75)	145 (68)	30 (61)	117 (55)	101 (48)	87 (41)	71 (34)	56 (26)
HRV 300	120V, 60Hz	465	3.8	2500	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)

MODEL	MODE	TEMPERATURE		NET AIR FLOW		POWER CONSUMED	SENSIBLE RECOVERY EFFICIENCY
		°C	°F	(L/s)	(CFM)	(WATTS)	SRE (%)
HRV 120	HEATING	0	32	30	56	140	81
		0	32	38	80	143	77
		0	32	75	160	146	61
HRV 170	HEATING	0	32	29	62	206	81
		0	32	42	89	210	77
		0	32	84	178	211	65
HRV 200	HEATING	0	32	30	64	208	85
		0	32	45	95	210	83
		0	32	60	127	212	81
HRV 300	HEATING	0	32	30	64	444	80
		0	32	45	95	446	78
		0	32	60	127	447	77

## FLOW RATE CURVES



## DIMENSIONS

