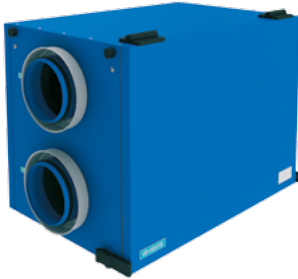


## DESCRIPTION



### **ERV H 300** **HEAT RECOVERY VENTILATOR**

Energy Recovery Ventilators 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.

- Efficient centralized recovery ventilation
- Cross flow core
- Silent operation
- Replaceable filters
- Simple installation and maintenance
- Compatible with 6" and 8" air ducts
- Electronic defrost protection

## CASING

Steel casing is covered with high-quality multilayer aluminium 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 aluminum filter.

## ENERGY RECOVERY CORE

Specially designed polymer enthalpic core provides energy recovery.

## MOTOR

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.

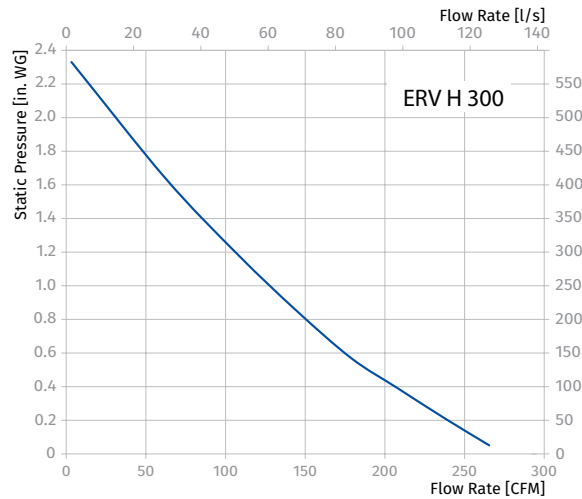
## WARRANTY

5 year warranty

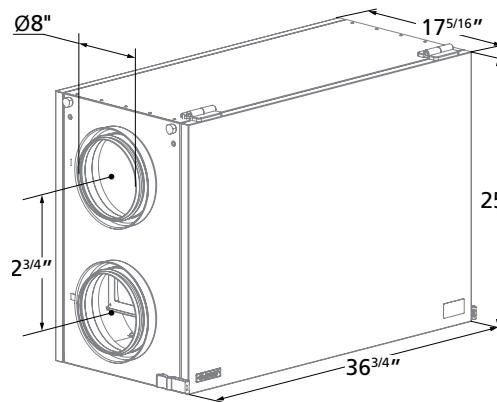
## PERFORMANCE

| Model     | Volts      | Max. Amps | Net Supply Air Flow CFM (l/s)    |             |             |              |              |              |              |              |              |              |              |              | Duct Dia. |
|-----------|------------|-----------|----------------------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
|           |            |           | Ext. Static Pressure in. wg (Pa) |             |             |              |              |              |              |              |              |              |              |              |           |
|           |            |           | 0.1" (25Pa)                      | 0.2" (50Pa) | 0.3" (75Pa) | 0.4" (100Pa) | 0.5" (125Pa) | 0.6" (150Pa) | 0.7" (175Pa) | 0.8" (200Pa) | 0.9" (225Pa) | 1.0" (250Pa) | 1.2" (275Pa) | 1.4" (300Pa) |           |
| ERV H 300 | 120V, 60Hz | 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)     | 8"        |

| Model     | Mode    | Temperature |    | Net Air Flow |       | Power Consumed (Watts) | Sensible Recovery Efficiency SRE (%) |
|-----------|---------|-------------|----|--------------|-------|------------------------|--------------------------------------|
|           |         | °C          | °F | (l/s)        | (cfm) |                        |                                      |
| ERV H 300 | HEATING | 0           | 32 | 41           | 87    | 444                    | 77                                   |
|           |         | 0           | 32 | 66           | 141   | 446                    | 73                                   |
|           |         | 0           | 32 | 100          | 213   | 447                    | 71                                   |



## DIMENSIONS



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