



# Fantech

## Heat Recovery Ventilator

# KHP 10000

## Light Commercial HRV



The KHP 10000 Heat Recovery Ventilation system (HRV) complements the energy efficiency of modern buildings by filtering incoming fresh outdoor air before it enters the heat-recovery core where it is preheated by the outgoing, stale contaminated air. The HRV then distributes the preheated fresh filtered air throughout the building by direct ductwork installed specifically for the HRV or through the ductwork of a forced-air system

### APPLICATIONS INCLUDE:

- Class Rooms
- Retail Shops
- Hair Salons
- Bars & Restaurants
- Offices
- Clinics
- Animal Shelters
- Swimming Pools \*

### POWER & WEIGHT

- Volts 120V
- Amperage 13.4 Total Amps
- Weight 185 Lbs
- Shipping Weight 225 Lbs
- Motors 115V, 60Hz, 6.7 Amps
- Phase Single Phase



### OPTIONAL CONTROLS

- MDEH 1 – Mechanical Low Voltage Dehumidistat
- FD15M – 15 Minutes Crank Timer
- AQS 2 – Air Quality Sensor (with transformer)

• External dry contacts (provided)

\* Protective coating of coil is recommended for this application. Contact factory for details.

### SPECIFICATIONS

**CASE** 20 gauge galvanized steel. Baked powder coated paint, grey. Insulated with 25.4 mm (1") foil-face fiberglass insulation to prevent condensation. Two (2) drain connections 12.7 mm (½") NPT.

**BLOWERS** Two (2) direct drive blowers. Blowers come with galvanized wheel and housing. Blowers are rubber mounted to reduce noise and vibration.

**MOTORS** Two (2) totally enclosed self cooled energy efficient motors with permanent split capacitor, electrically reversible, sleeve & ball bearing with epoxy enamel finish. ½ horsepower, 1625 RPM, single phase, 115 volts, and over load protection.

**CORES** Two (2) modular heat pipe cores (stack one over the other) configured for an efficient performance retrieval of heat.

**FILTERS** Two (2) Washable Air Filters, 375 mm (14 ¾") x 597 mm (23 ½") x 15.8 mm (5/8")

**MOUNTING** Unit can be installed using mounting brackets included. Brackets fasten to HRV with bolts provided and to floor joists using wood screws (purchased separately). Unit may also be suspended by using the supplied brackets and threaded rod (purchased separately) or placed on a platform.

**CONTROLS** Low voltage (24VAC) external dry contacts to activate high speed. External three (3) position switch for LOW/STAND BY/ MED continuous ventilation speeds.

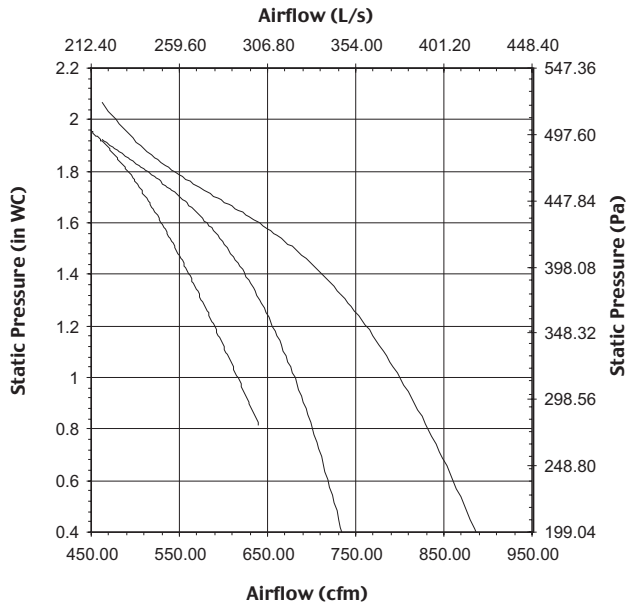
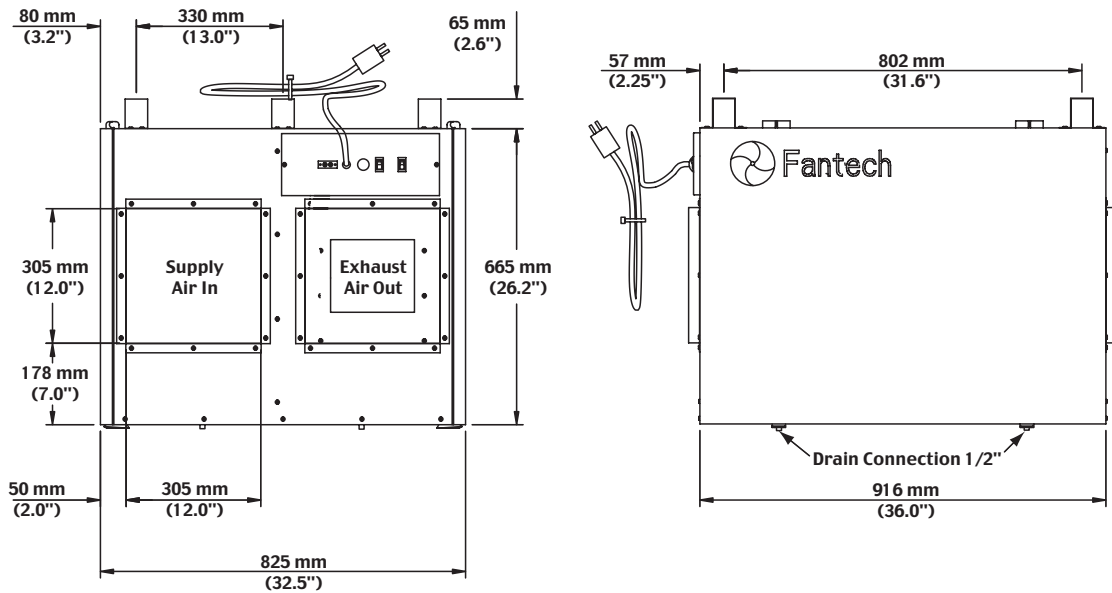
**DEFROST** The defrost sequence is activated when the exhaust air temperature drops below the preset level, the sensor shuts down the supply fan until the core defrosts and then the unit returns to normal operation.

**SERVICEABILITY** Cores, filters, blowers and drain pans can be accessed easily from both sides of the HRV through hinged access panels.

FOR MORE INFORMATION CONTACT:

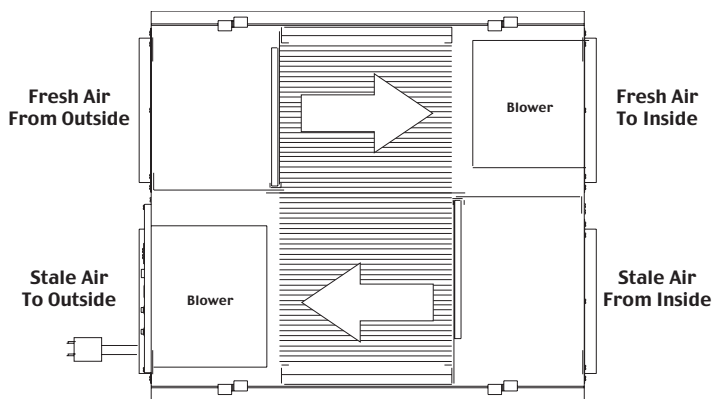
# KHP 10000 Light Commercial HRV

## Dimensions



Unit is 55% (average) efficient at transferring Heat/Energy from the exhaust to the supply air stream.

## Airflow



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