

# COMMERCIAL *Heat Recovery Ventilators*



*Commercial Heat Recovery Ventilators* offer a solution to today's indoor air quality concerns - and at the same time save you money by recovering heat from the stale air exhausted from your building.



Summerraire Commercial Heat Recovery Ventilators are prepackaged units designed for easy installation in commercial or institutional applications. Quiet 3 speed motor/blowers provide reliable operation. Fan defrost & damper defrost models offer automatic timed defrost cycles.

## APPLICATIONS:

- Health clubs and spas
- Apartments
- Schools
- Public Restrooms
- Night Clubs
- Automotive service areas
- Commercial office areas
- Swimming pool enclosures
- Beauty salons
- Smoking areas
- Bingo halls
- Locker rooms
- Game rooms

## FEATURES:

- Quiet powerful blower operation
- 3 speed motor
- High efficient polypropylene exchange cores
- Cores easily removed for cleaning
- Removable washable air filter (inlet and outlet)
- External low voltage connections for remote operation
- Automatic defrost on all models

## OPTIONS:

### Remote Dehumidistat

- Wall mounted 24 vac.
- Increased ventilation rate when humidity rises above set RH

### Remote Timer

- Mechanical - 60 Min (adjustable to 60 minutes)
- Increases fan speed for time set

### Remote Push Button Timer

(20 minute High Speed operation)

### Field Conversions

**EASILY ADAPTED FOR TOP OR END INPUT OF COLD SUPPLY AIR AND DEFROST AIR INPUT**



## ENGINEERING DATA

### Cores

Modular high efficiency polypropylene recovery core, easily removable for thorough cleaning.

### Motors

Two (2) PSC, 3 speed. 120 VAC.

### Filters

Aluminum washable air filters in exhaust and supply air streams.

### Fans

Centrifugal type. Each air stream has 1 motor driving 1 or 2 (depending on model) centrifugal fans.

### Mounting

8-threaded (1/4-20)b inserts at each corner of cabinet.

4 reinforced rubber straps.

### Drain Connections

2 - 1/2" (12mm) O.D. connections.

### Case

20 Ga. Galvanized precoated steel - insulated.

### Controls

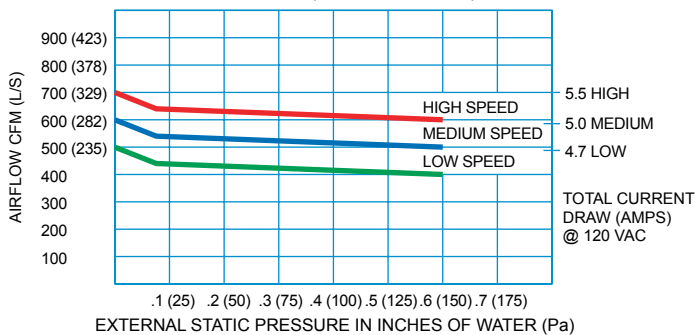
- Lighted power switch
- 3 Speed blower control
- Low voltage (24 vac) strip for external Fan speed override to "HIGH".
- Defrost light indicates when defrost occurs. This is automatic when outdoor temperature Condition drops to  $-3^{\circ}\text{C}$  ( $26^{\circ}\text{F}$ ).

### Codes and Standards

C.S.A. C22.2 No. 113 Fans and Ventilators.

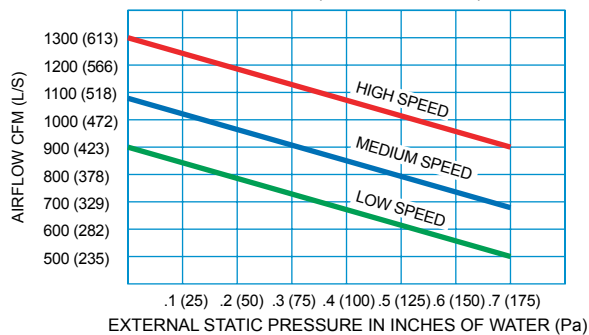
# SHRV 600

AIRFLOWS (Each Air Stream)

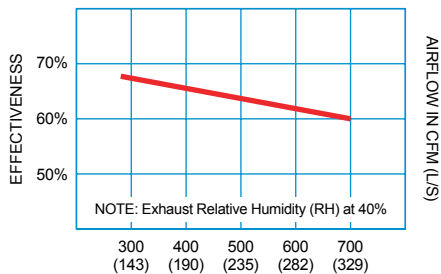


# SHRV 1100

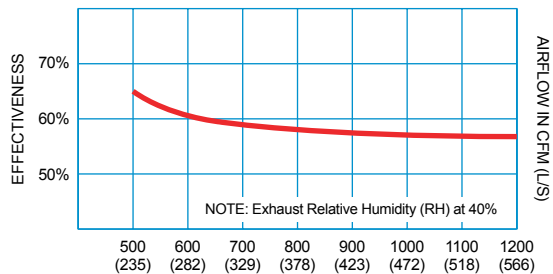
AIRFLOWS (Each Air Stream)



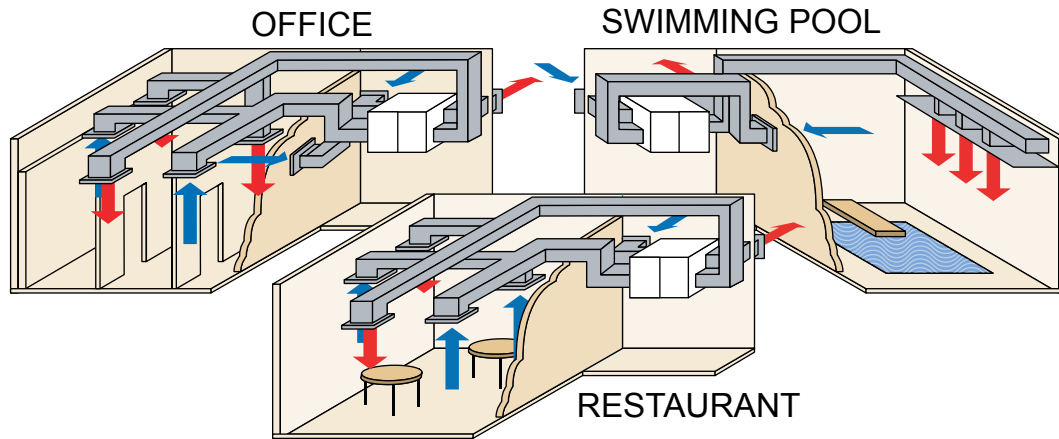
## TEMPERATURE EFFECTIVENESS



## TEMPERATURE EFFECTIVENESS

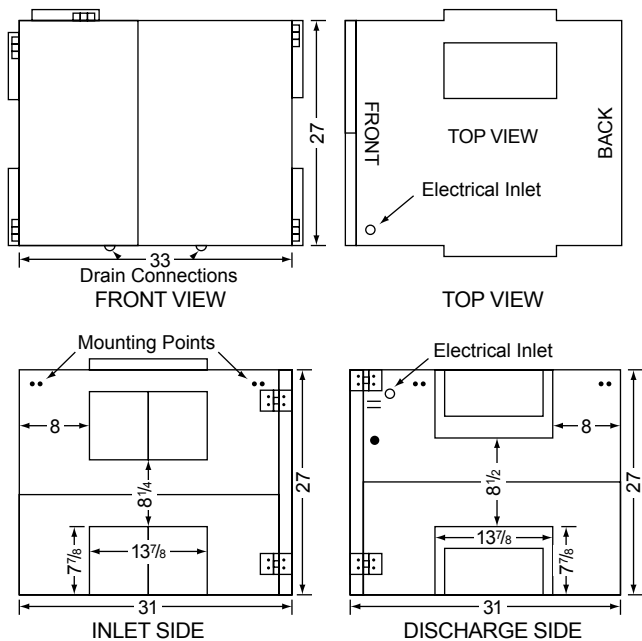


## Sample of Applications



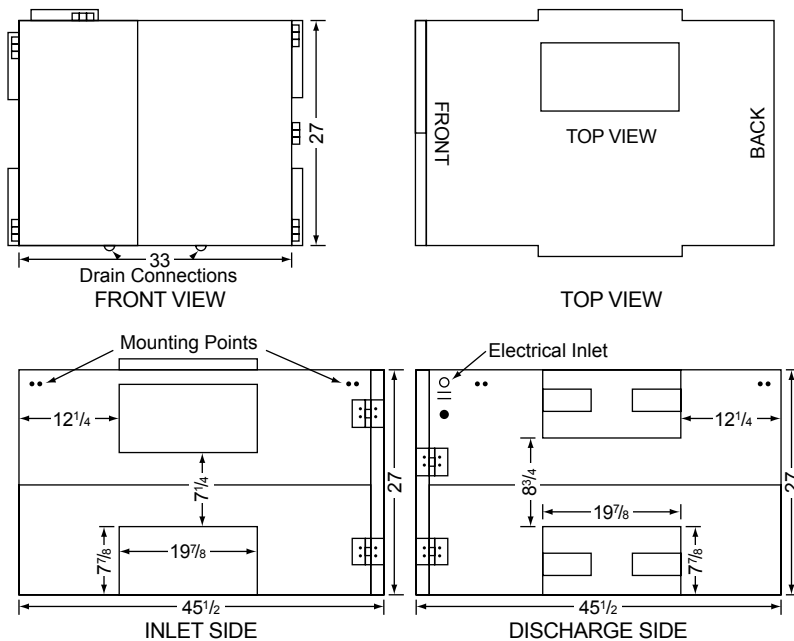
# SHRV 600

Dimensions in inches



# SHRV 1100

Dimensions in inches





## SPECIFICATIONS

Description	SHRV 600FD	SHRV 600DD	SHRV1100DD
Length .....	31"	31"	45 1/2"
Width .....	33"	33"	33"
Height .....	27"	27"	27"
VAC @ 60 HZ .....	120	120	120
Amps .....	6.2	6.2	8.7
Shipping weight-pounds .....	178	178	260

## MAKE UP HEAT REQUIREMENTS @ 700 C.F.M. (300 L.S.)

Outdoor temp		KW req. for	KW req. for	KW req. for
C°	F°	20°C (68°F) air del.	25°C (77°F) air del.	30°C (86°F) air del.
0	32	4	6	8
-10	14	6	8	10
-20	-4	7	9	11
-30	-22	9	11	13
-40	-40	10	12	14

## MAKE UP HEAT REQUIREMENTS @ 1200 C.F.M. (566 L.S.)

Outdoor temp		KW req. for	KW req. for	KW req. for
C°	F°	20°C (68°F) air del.	25°C (77°F) air del.	30°C (86°F) air del.
0	32	7	10	14
-10	14	10	14	17
-20	-4	12	15	19
-30	-22	15	19	22
-40	-40	17	21	24

Summerraire manufactures a complete line of heat recovery ventilators.  
A full range of capacities and connection configurations are available.

Summerraire Mfg.  
Peterborough, ON. K9J 7B1

DISTRIBUTED BY:

