



C22.2 no113  
UL 1812



## PRODUCT DESCRIPTION

The H280-SRG heat recovery ventilator provides high-efficiency heat recovery in a compact, affordable package. The unit uses a robust, water-washable polypropylene core that can withstand a wide range of environmental conditions. The H280-SRG can exchange up to 284 CFM at 0.20 in.w.g (ESP), making it ideal for large home and small office applications.

## KEY FEATURES

Electronically and independently adjustable supply and exhaust blowers (FLEXControl)

Gauge ports on the door for fast and reliable airflow readings

Non-dust-loading backward-inclined impellers on totally enclosed motors

Twist-in collars for easy flex-duct attachment

Easy access to core and filters for cleaning

Extremely durable polypropylene core

Recirculating defrost protects the core from freezing without putting the dwelling into negative-pressure

# RESIDENTIAL

## HRV

### H280-SRG

HEAT RECOVERY VENTILATOR

284 CFM at 0.20 in.w.g (ESP)



UNIT

CORE



### Recovery Core

Material: Polypropylene

### Casing

Material: Pre-painted 24-gauge galvanized steel

Drain Connection:  $\varnothing$  3/8" ( $\varnothing$  10 mm)

Duct Connections:  $\varnothing$  6" ( $\varnothing$  127 mm)

Insulation: 1" (25 mm) Fiberglass with FSK

Width: 31" (787 mm)

Height: 21-3/4" (552 mm)

Depth: 17-1/16" (433 mm)

Weight: 62 lbs (28 kg); Shipping Weight: 71 lbs (32 kg)

Supply Damper: Motorized

Exhaust Damper: Gravity



### Mounting

Suspended by chains with vibration-isolating springs



### Electrical requirement

120 VAC, 60 Hz, 2.89 A, 263 W

Cord Set: 48" (1219 mm) with ground



### Frost control

Recirculation cycles controlled by a temperature sensor when outdoor temperatures fall below 23°F (-5°C).



### Filters

Type : Two Aluminum (P/N: 612266)

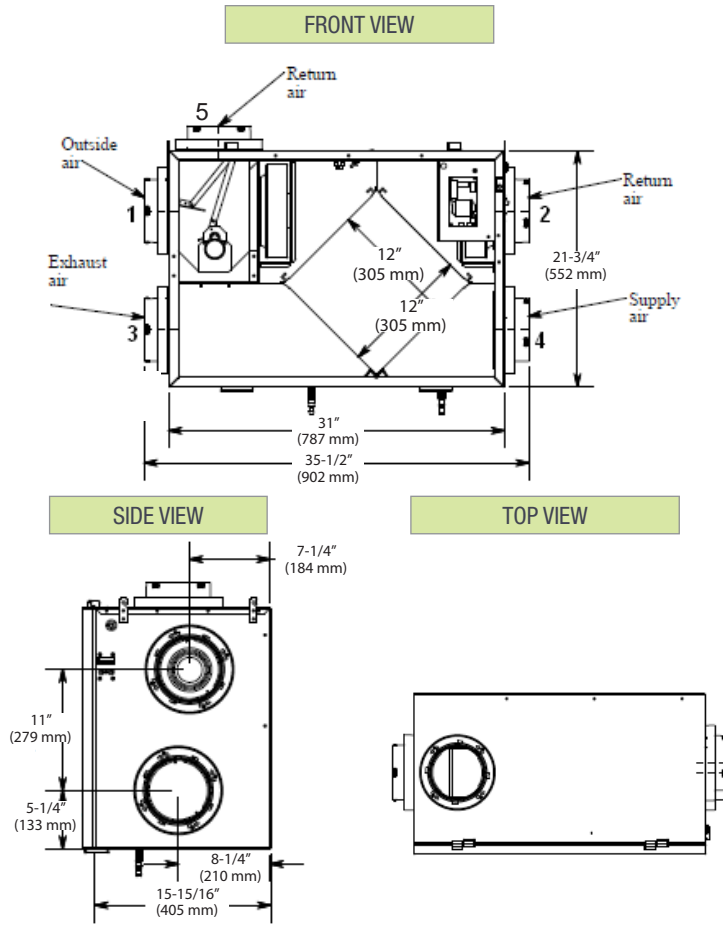
Option : Two Carbon (P/N: 612264), or High Efficiency/ MERV13 Equivalent (P/N: 612265)



### Blowers

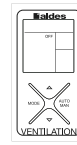
Two backward-inclined motorized impeller, direct-drive PSC, variable speed, external rotor

# DIMENSIONS

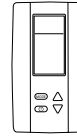


# CONTROLS

Low voltage dry contact (24VAC) for interlock with heating/cooling systems.



Digital Multifunction Control (P/N 611242-FC)



LCD Electronic Multifunction Control (P/N 611227)



20/40/60 Minute Timer (P/N 611228)

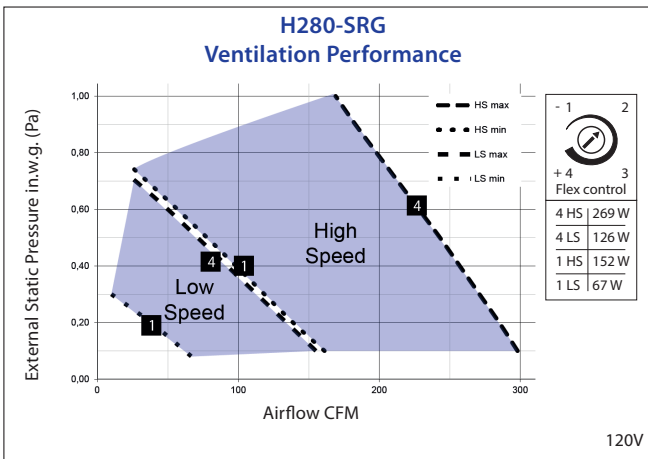


Speed Control (Low/Intermittent/High) (P/N 611229)



Mode Control (Recirculation) (P/N 611230)

# PERFORMANCE



Supply Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
°F	°C	PCM	L/s			
<b>Heating</b>						
32	0	64	30	80	75%	83%
32	0	78	38	88	72%	80%
32	0	117	55	134	66%	74%
-13	-25	68	32	105	65%	70%

Project:		Architect:	
Location:		Engineer:	
Model #:		Contractor:	
Quantity:		Comments:	
Submitted By:			
Date:			

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