

SL 70H

INDOOR UNIT

NEW



Download specification at:
renewaire.com/specifications

Energy Recovery Ventilator EC Motor Standard



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Continuous Operation Airflow: 51-76 CFM

Boost Mode Airflow: 76-94 CFM

Unit is HVI Tested/Certified per CSA C439

Protocol: Using one L-30 G5 Core

Standard Features:

Unit may be mounted in any orientation
 Low-voltage circuit for controls
 Hard wiring in electrical box
 Dial-A-Flow - balance and airflow adjustment
 Variable speed
 Boost mode
 Cross-core differential pressure ports
 Gray painted cabinet

Controls:

Onboard digital controller with independent
 variable speeds

Filters:

Total qty. 2, MERV 8, spun-polyester media:
 7 1/2" x 10 1/2" x 1"

Unit Dimensions & Weight:

27 1/4" L x 20 3/8" W x 9 1/2" H
 32 lbs.

Max. Shipping Dimensions & Weight (in carton):

29 1/2" L x 22 1/2" W x 11 1/2" H
 38 lbs.

Motor(s):

Qty. 2, 48V DC motorized impeller packages

Accessories:

Backdraft damper 6"
 Wall cap 6" - white, brown
 Digital time clock - wall mount (TC7D-W),
 in exterior enclosure (TC7D-E)
 Carbon dioxide sensor/control - wall mount (CO2-W)
 IAQ sensor - wall mount (IAQ-W)
 Motion occupancy sensor/control -
 ceiling mount (MC-C), wall mount (MC-W)
 Percentage timer control (PTL)
 Percentage timer control with furnace interlock (FM)
 Push-button point-of-use controls (PBL), PTL req'd.
 MERV 13 filter - OA airstream
 Wall bracket kit
 Electric duct heater - RH series (1-4 kW);
 designed for indoor ductwork installation only

Note: Indirect Gas-Fired Duct Furnace is not available on the SL70H.

EC MOTOR OPERATING RANGE

Sample Points Depicted in Larger Dots			
Airflow (CFM)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	
Continuous Mode	82	0.1	62
	77	0.2	60
	72	0.3	59
	67	0.4	58
	61	0.5	56
	54	0.6	54
	45	0.7	51
	34	0.8	47
Boost Mode	108	0.1	104
	102	0.2	102
	95	0.3	100
	91	0.4	99
	89	0.5	97
	85	0.6	96
	81	0.7	94
	76	0.8	92
	70	0.9	89
	61	1.0	85

Note: Watts is for the entire unit.

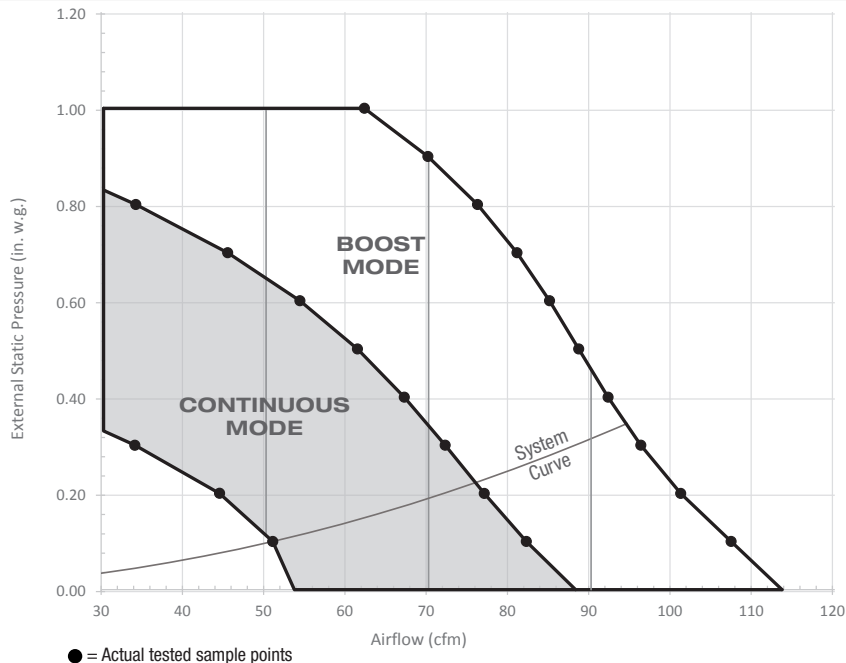
Note: Airflow performance includes effect of clean, standard filter supplied with unit.

Note: Refer to CORES for specific operating point electrical data.

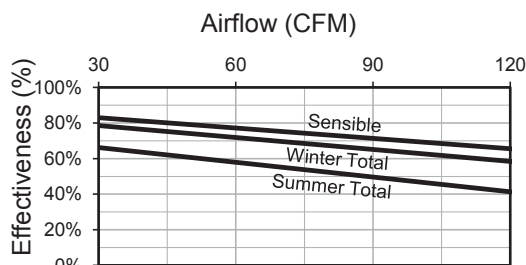
ELECTRICAL DATA

Watts	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
96	120	60	1	2	10	15

Specifications may be subject to change without notice.



CORE PERFORMANCE



At AHRI 1060 standard conditions. See all AHRI certified ratings at www.ahrinet.org.

* See performance ratings per CSA C439 on page 25 of RenewAire's Single/Multi-Family Catalog.

ACCESSORIES

Controls

Standard controls are intended to turn RenewAire single/multi-family energy recovery ventilation systems on and off at appropriate times. Installation and set-up is an easy process. RenewAire single/multi-family units are available standard with interface and controls.

BR Series: Built-in percentage run-time with furnace interlock

GR Series: 120V line voltage controls

EV Series: Percentage run timer or percentage run timer with furnace interlock and push button lighted controls

- ♦ **Digital time clock, CO2 sensors, IAQ sensors and motion occupancy sensors** - Can be applied with external 24V supply

SL Series: Built-in low voltage transformer for use with percentage run timer or push button lighted controls for on/off, continuous and/or boost mode operation

- ♦ **Digital time clock, CO2 sensors, IAQ sensors and motion occupancy sensors** - Can be applied with internal low voltage transformer

See individual submittal pages for availability by model.

PERCENTAGE TIMER

Primary control for SL70, EV90, EV90P, EV130, EV200, EV240 & EV300

- ♦ Units can run an adjustable amount of time each hour
- ♦ Two-wire, low-voltage connection



PTL Control

PERCENTAGE TIMER WITH FURNACE INTERLOCK

Alternate primary control for SL70, EV90, EV90P, EV130, EV200, EV240 & EV300

- ♦ Low-voltage wire connects to EV unit and either thermostat or furnace control to turn on furnace blower
- ♦ Six-wire, low-voltage connection



FM Control

PUSH-BUTTON POINT OF USE TIMER

Secondary control used in combination with PTL control for SL70

- ♦ Push-button control turns on unit from bathrooms or other intermittent exhaust locations
- ♦ One-touch, 20-minute run-time
- ♦ Push 2 times for 40 minutes or 3 times for 60 minutes
- ♦ Two-wire, low-voltage connection to PTL control



PBL Control - requires PTL Control