



Model: ES095 ERV

VENTILATION PERFORMANCE				ENERGY PERFORMANCE				
EXT. STATIC PRESSURE	NET SUPPLY AIR FLOW	GROSS AIR FLOW		SUPPLY TEMP.	NET AIR FLOW	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY
in wg (Pa)	cfm (l/s)	SUPPLY cfm (l/s)	EXHAUST cfm (l/s)	°F (°C)	cfm (l/s)	Watts	EFFICIENCY	EFFICIENCY
0.1 (25)	97 (46)	102 (48)	113 (53)	+32 (0)	51 (24)	60	72%	80%
0.2 (50)	90 (42)	94 (44)	104 (49)	+32 (0)	64 (30)	70	70%	78%
0.3 (75)	81 (38)	85 (40)	95 (45)	+32 (0)	93 (44)	96	67%	73%
0.4 (100)	73 (34)	76 (36)	86 (40)				Total Recovery Efficiency	Adjusted Total Recovery Efficiency
0.5 (125)	64 (30)	67 (32)	76 (36)	95 (35)	51 (24)	62	51	56
0.6 (150)	55 (26)	57 (27)	67 (32)					
0.7 (175)	46 (22)	23 (49)	58 (27)					



CABINET/CORE: Collar size: 5-inch (127mm). The case is constructed of 0.032 painted aluminum with a white enamel finish. The cabinet is fully insulated with 1-inch polystyrene. The unit is equipped with a cross-flow core that recovers both sensible and latent energy. Shipping weight: 22 lb (10 kg).

CERTIFICATION: cCSAus, C22.2, HVI **ELECTRICAL:** 120V/1/60 Hz. 120W, 1A

BLOWERS: Two backward curve impellers using PSC motors and permanently sealed bearings.

ADDITIONAL FEATURES:

- Furnace interlock options: commands furnace blower when unit is on or only on high speed
- Intelligent Defrost: duration and interval adjust to outdoor conditions below -5° C (23° F)
- Balancing: differential pressure ports on door allow air measurements without flow grid in ductwork. Independent speed adjustment of either supply or exhaust motor in BOTH high and low speed.
- 24 V circuit protection with self resetting fuse
- MERV 6 air filters included
- 12 VDC or 24 VAC remote control options with the following Nu-Air controls:

ES Series (12 VDC): Unlimited numbers. Series or parallel.	WINDSOR Series (24 VAC)
Lumina (NAV-561): Low speed, high speed, intermittent, , 20/40 standby, 20-40-60 minute timer, filter service alert (clock) ES-M1: Off/ Stby/ Lo/ Hi ES-M2: Off/ Stby/ Lo/ 20 Lo—40 Stby ES-M3: Off/ Stby/ Lo/ 20 Lo—40 Recirculation ES-M4: Off/ Stby/ Lo/ Recirculation (Lo) ES-T1: 20-40-60-minute timer	DSTAT-1: Humidity control Win-1: Humidity control/ OFF/ STBY/ Continuous/ Intermittent/ Full-time high speed *WIN-20: 20-minute timer (up to 6) *WIN-20 Gang: for multi-switch wall boxes Also: Any 24 VAC, two-wire switch. *Compatible with Nu-Air 12 VDC control options

Defrost: When outdoor temperature falls to -5° C (23° F), an automatic timed defrost cycle is initiated. The fresh air motor will turn off. Exhaust air flow continues and defrost the core. The unit will resume normal operation for a fixed duration, then the processor will read outdoor temperature and initiate defrost as necessary. Defrost varies with outdoor temperature.

Warranty: There is a 5-year warranty on all internal components. The heat recovery core has a 5-year warranty.



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Item	Feature
1	Backward Curved Impellers (2)
2	Cross Flow Enthalpy Core
3	Control Terminal
4	Filters
5	Hanging mounts
6	Balancing Ports

