



Model: ES120E ERV

Auto-Reversible

VENTILATION PERFORMANCE	
EXT. STATIC PRESSURE in wg (Pa)	NET SUPPLY AIR FLOW cfm (l/s)
0.1 (25)	140 (66)
0.2 (50)	133 (63)
0.3 (75)	125 (59)
0.4 (100)	119 (56)
0.5 (125)	110 (52)
0.6 (150)	102 (48)
0.7 (175)	91 (43)
0.8 (200)	83 (39)
0.9 (225)	72 (34)
1.0 (250)	64 (30)
1.2 (300)	42 (20)

ENERGY PERFORMANCE				
SUPPLY TEMP. °F (°C)	NET AIR FLOW cfm (l/s)	AVERAGE POWER Watts	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY
+32 (0)	42 (20)	22	62%	66%
+32 (0)	52 (25)	28	67%	70%
+32 (0)	63 (30)	35	70%	75%
-13 (-25)	55 (26)	31	49%	50%
			Total Recovery Efficiency	Adjusted Total Recovery Efficiency
95 (35)	63 (30)	39	57	59



CABINET/CORE: Collar size: 5-inch (125 mm). The case is constructed of 0.032 painted aluminum with a white enamel finish. The cabinet is fully insulated with 3/4-inch polystyrene. The unit is equipped with a cross-flow core that recovers both sensible and latent energy. Shipping weight: 30 lb (13.5 kg).

MOUNTING: Adjustable hanging straps supplied with unit. 3 ft grounded power cord. Minimum of 4 inches of bottom clearance is recommended for service and maintenance. **No drain required.**

CERTIFICATION: cCSAus, C22.2, HVI **ELECTRICAL:** 120V/1/60 Hz. 140W, 1.2A

BLOWERS: Two backward curve impellers using EC motors with permanently sealed bearings.

ADDITIONAL FEATURES:

- Reversible out of the box fits the most duct arrangements with one unit
- Furnace/Air handler interlock
- 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. Balancing dampers not required.
- 24 V circuit protection with self resetting fuse
- MERV 6 air filters included
- 24 VAC remote control options with the following Nu-Air controls:

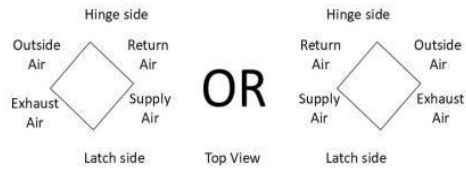
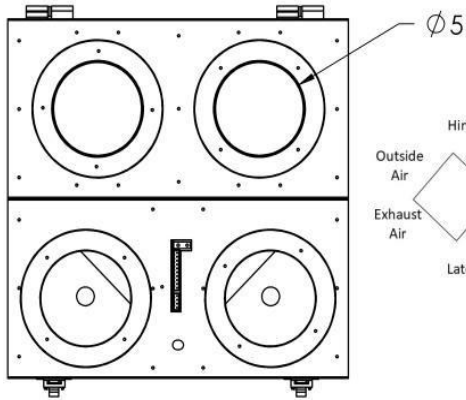
12 VDC	24 VAC
Lumina (NAV-561): Low speed, high speed, intermittent, 20/40 standby, 20-40-60 minute timer, filter service alert (clock)	*NAV-460: 20-40-60 minute high speed timer (up to 5)
Legacy Controls (retrofit/replacement applications)	DSTAT-1: Humidity control
ES-M1, ES-M2	Win-1: Humidity control/ OFF/ STBY/ Continuous/ Intermittent/ Full-time high speed
ES-T1: 20-40-60-minute high speed timer	WIN-20: 20-minute high speed timer (up to 6)
	Also: 24 VAC, dry contacts for 3rd party switches
	*NAV-460 not compatible with ES-T1, WIN-20 timers

Defrost: 4-stages of supply fan interruption varied by outdoor temperature.

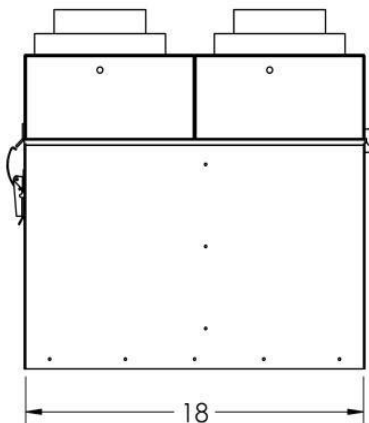
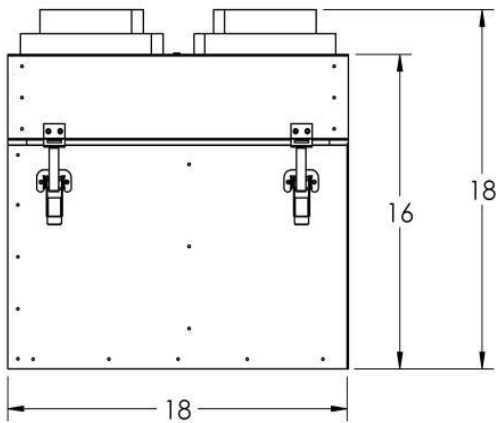
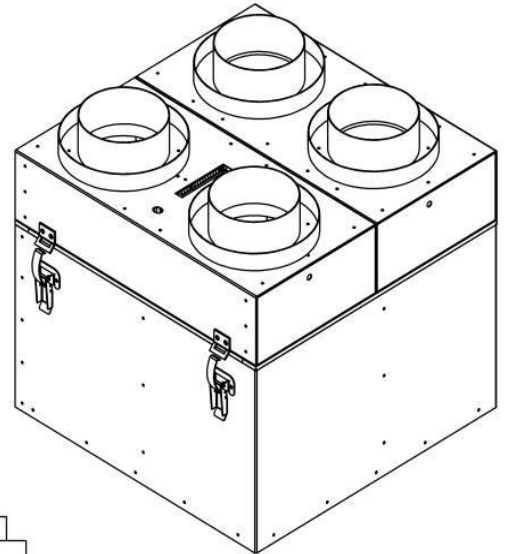
Warranty: There is a 5-year warranty on all internal components. The heat recovery core has a 5-year warranty.

Nu-Air reserves the right to change specifications without notice.

V-1.1



See note below.



Top View of the unit:

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No field adjustment necessary.

