

ES095E

ENERGY RECOVERY VENTILATOR

SPECIFICATIONS

Internal

Balancing: Differential pressure ports on doors allow air measurements without flow grid in ductwork.

Speed Adjustment: Independent speed adjustment of either supply or exhaust motor in BOTH high and low speed.

Blower: Two backward curve impellers using PSC motors and permanently sealed bearings. Independent speed adjustment of either supply or exhaust motor in BOTH high and low speed.

Electrical: 120V 60 Hz., 120W, 1.0 amps.

Core: Enthalpy cross-flow core that recovers both sensible and latent energy.

Air Filter: Cleanable, polyester air filters included. MERV 13 filters available separately.

Installation

Housing: Insulated, white enamel finished aluminum.
Overall dimensions: 9"H x 22"D x 26"W.

Duct Collars: 5" round collar adapters.

Unit Mounting: Hanger kit featuring buckle-fitted adjustable poly straps, optional mounting brackets can be purchased separately.

Test Port: Differential pressure measuring ports on all unit doors.

Shipping

Shipping Weight: 22.0 lbs. **Carton:** 10"H, 25"D, 26"W



Additional Features

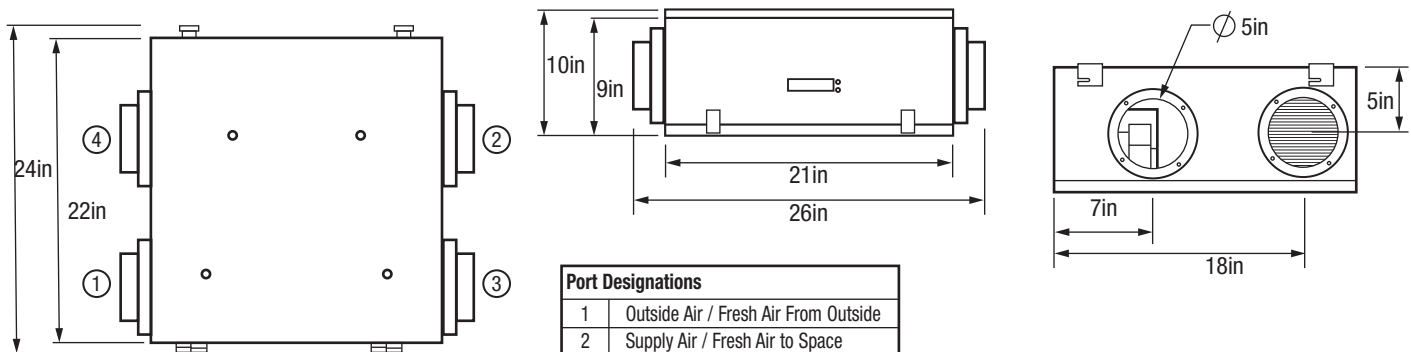
- Intelligent Defrost: duration and interval adjust to outdoor conditions below 23° F.
- In defrost and recirculation modes, this unit will not induce indoor negative pressure nor recycle exhaust air; rather, it will redistribute ambient room air.
- HVAC interlock options: Commands HVAC blower when ERV is on or only on high speed.
- 24 V circuit protection with self resetting fuse.
- 12 VDC or 24 VAC remote located control options with Nu-Air Lumina or Windsor series wall controls.

VENTILATION PERFORMANCE

Ext. Static Pressure In Wg	Net Supply Airflow In CFM	Gross Air Flow	
		Supply CFM	Exhaust CFM
0.1	97	102	113
0.2	90	94	104
0.3	81	85	95
0.4	73	76	86
0.5	64	67	76
0.6	55	57	67
0.7	46	23	58

ENERGY PERFORMANCE

Temp Mode	Supply Temp. °F	Net Airflow (CFM)	Power (Watts)	SRE	ASRE	Total Recovery Efficiency
Heating	+32	51	60	72%	80%	
Heating	+32	64	70	70%	78%	Adjusted Total Recovery Efficiency 56%
Heating	+32	93	96	67%	73%	
Cooling	95	51	62			



Port Designations

1	Outside Air / Fresh Air From Outside
2	Supply Air / Fresh Air to Space
3	Return Air / Exhaust Air From Space
4	Exhaust Air / Exhaust Air to Outside

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Ventilation

800 222-5932
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