

# Energy Wall U-ERV 1800 Series

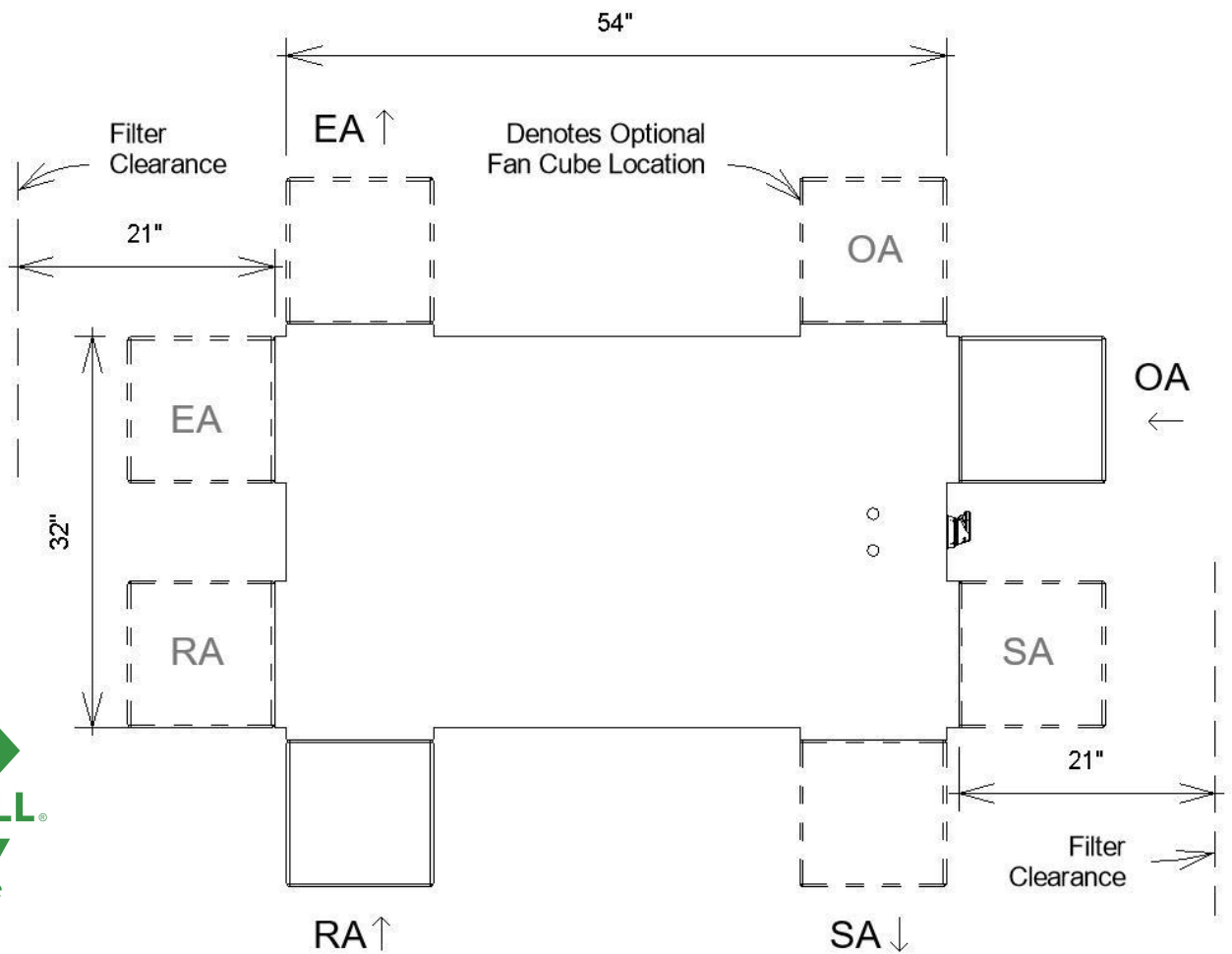
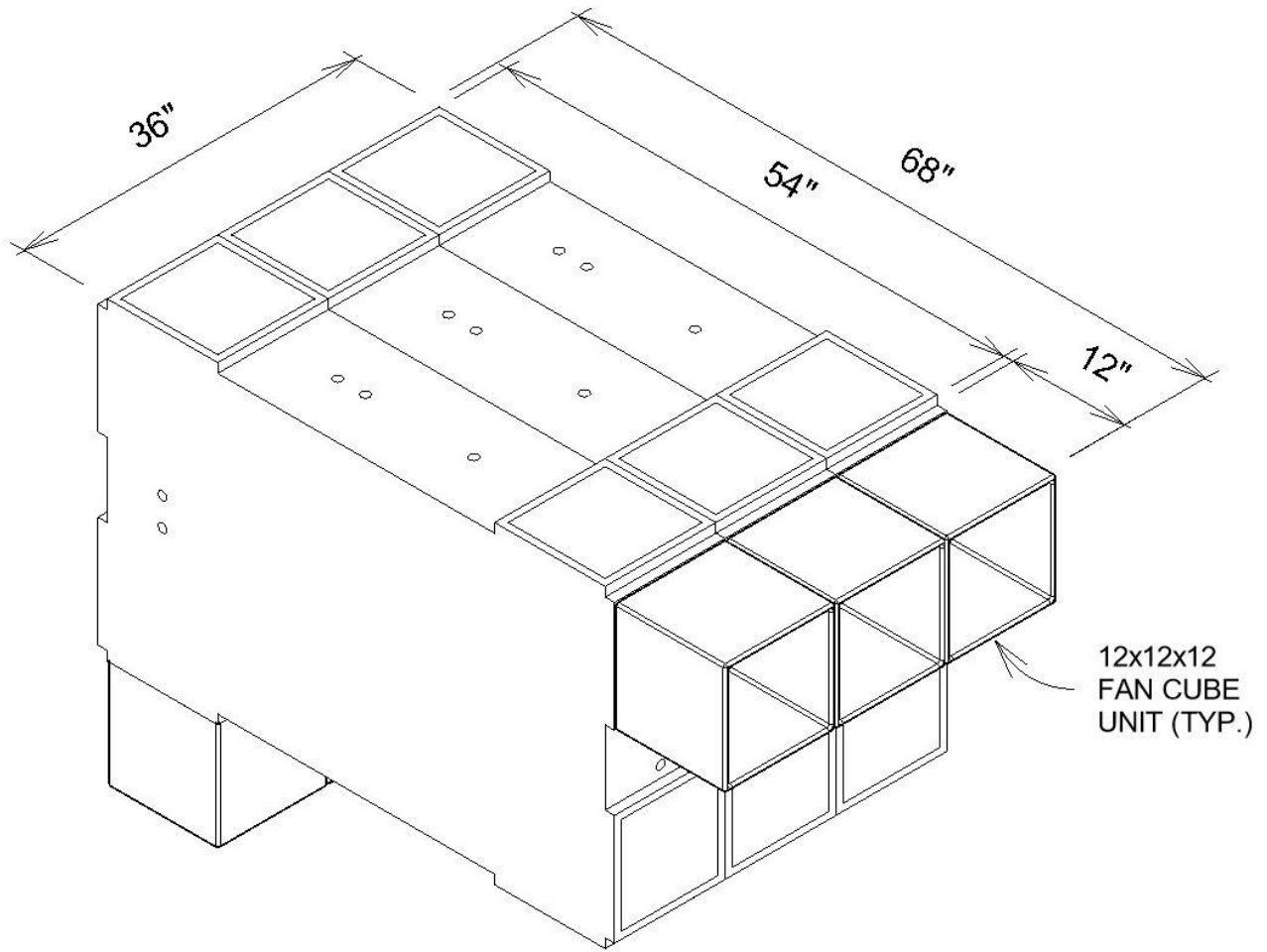
U-ERV 1800 Standard Features		Industry Standard Comparison
Airflow Range:	0 to 2400 CFM [1800 Rated]	Full Variable ECM+ Remote Fan Modulation
Dimensions:	54" L X 32" D X 36" Height	2-4X Smaller Size (12" Height per module)
Ultra Lightweight:	294 lbs	2.5X Lighter (Varies by Options) (98 lbs. per module)
AHRI 1060 Tested Core:	EWT-11-42 QTY(3) HWT-11-42 QTY(3)	Patented Static Plate, heat and humidity transfer Static Plate, heat transfer or condensing wrap-around application
Sensible Efficiency:	73% @ 1800 SCFM	Up to 90% Possible
Latent Efficiency:	63% @ 1800 SCFM	Up to 70% Possible
Total Efficiency:	69% @ 1800 SCFM	Up to 80% Possible
Coil Option:	54,285 BTUs/Hr	Dx or Chilled Water. VRF Integrated.
Exhaust Air Transfer:	Zero	Good for Bathroom Exhaust, Laboratories, Hospitals
Cost:	Lowest Installed	Lower transport, installation, maintenance, and fan energy costs
Minimal Maintenance:	Filters @ 3-6 months	Total qty. 2, MERV 11: 5.00" x 40.38" x 1.88" (Actual Size) (Per Module)
Stack Multiple Modules:	Vertical or Horizontal	Patented design - a single duct will connect to multiple U-ERVs
Fan Motors:	ECM+ IP68 Rated	>1.0 CFM/Watt Variable Airflow adjustability & balancing with mechanical turn potentiometers Remote Variable Airflow adjustability via 0-10V signal
Antimicrobial Membrane:	Salt / Ceramic	Proven highly antimicrobial without the addition of additives
Like a UV Light:	MERV 11 Equivalence	Actively kills bacteria flowing with both airstreams
Non-Fused Disconnect:	UL98 Rated	Lowers Installed Cost - Defeatable Lockout For Safe Access
Safety:		
Duct Connections:		Self tapping screws with duct sealant. Connect to Fan Cube or Unit port
Application:	Any Orientation	Universal Compatibility for Bolt-on, Roof-top, Exterior, or Interior Installation
Electrical Power:	Universal Input AC or DC	90 to 264 VAC Input (50/60Hz) or 40 to 370 VDC Input
Extreme Exterior Shell:	Carbon Infused Polypropylene Corrosion Proof, double wall construction with fumed silica insulation	

## U-ERV 1800 Series Model Numbers

Model Number	Type	External Static Pressure @ 1800 SCFM			90 to 264 VAC Input (50/60 Hz)			40 to 350 VDC Input		
		Supply (in. w.g.)	Exhaust (in. w.g.)	Weight (lbs.)	120 VAC 1Ø(Amps)	230 VAC 1Ø(Amps)	208 VAC 3Ø(Amps)	55.2 VDC (Amps)	255 VDC (Amps)	350 VDC (Amps)
UERV 1800LL	Enthalpy	0.5	0.5	294	18.2	14.2	10.5	30	10.2	7.5
UERV 1800HH	Enthalpy	2.5	2.5	318	36.4	28.5	21.0	60	20.4	15
UERV 1800LH	Enthalpy	0.5	2.5	306	27.3	21.3	15.75	45	15.3	11.25
UERV 1800HL	Enthalpy	2.5	0.5	306	27.3	21.3	15.75	45	15.3	11.25
UHRV 1800LL	Sensible	0.5	0.5	294	18.2	14.2	10.5	30	10.2	7.5
UHRV 1800HH	Sensible	2.5	2.5	318	36.4	28.5	21.0	60	20.4	15
UHRV 1800LH	Sensible	0.5	2.5	306	27.3	21.3	15.75	45	15.3	11.25
UHRV 1800HL	Sensible	2.5	0.5	306	27.3	21.3	15.75	45	15.3	11.25

Note: Minimum 180VAC and 255VDC Recommended to Achieve Rated Static Pressure

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