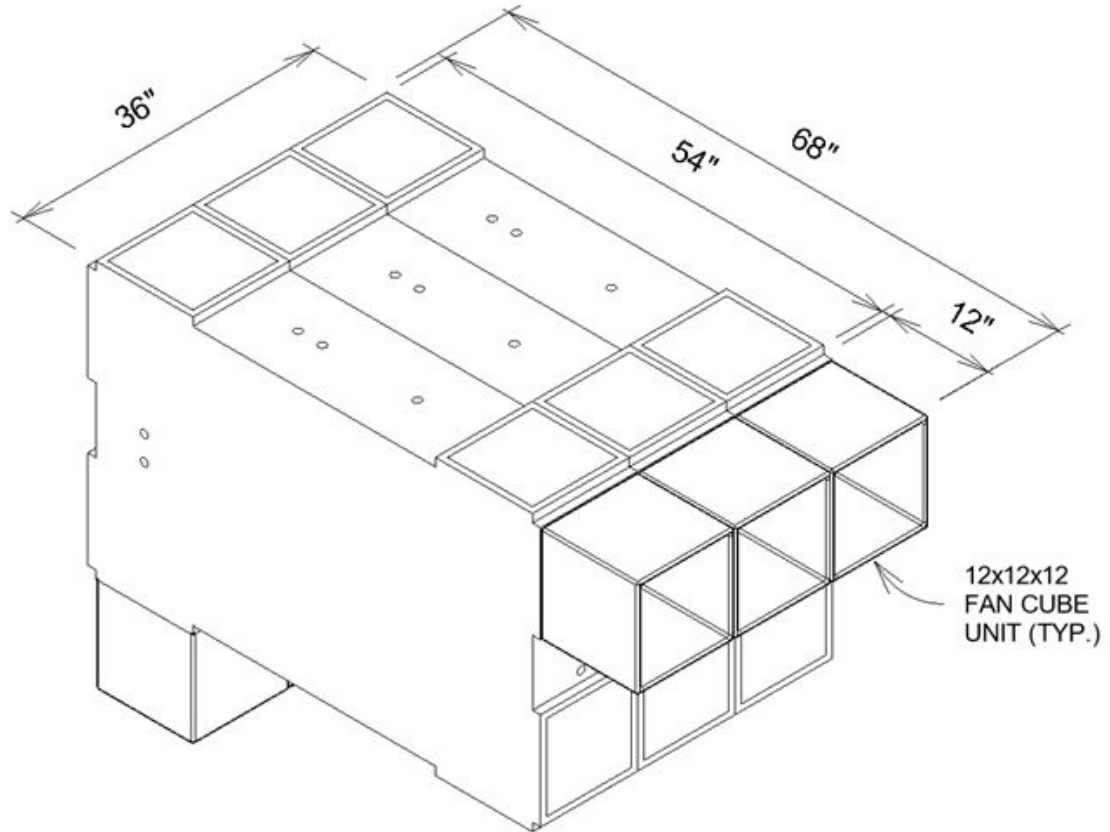


# Energy Wall U-ERV 1800 Series

| U-ERV 1800 Standard Features |                            | Industry Standard Comparison   |
|------------------------------|----------------------------|--|
| Airflow Range:               | 0 to 2250 CFM [1800 Rated] | Fully Variable ECM Fan Speed Modulation  |
| Dimensions:                  | 54" L X 32" D X 36" Height | 1/3 Size of Comparable Units (12" Height per module)   |
| Lightweight:                 | 387 lbs.                   | 92 lbs. per module for transport, 18.5 lb. per fan cube. 387 lb. total unit weight   |
| AHRI 1060 Tested Core:       | EWT-11-42<br>HWT-11-42     | Counterflow plate-type, heat and humidity transfer<br>Counterflow plate-type, heat-only 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   |
| Exhaust Air Transfer:        | Zero                       | Good for Bathroom Exhaust, Laboratories, Hospitals   |
| Minimal Maintenance:         | Filters @ 3-6 months       | Total qty. 6, MERV 11: 5.00"x 40.5" x 2.0" (Nominal)   |
| Stack Multiple Modules:      | Vertical or Horizontal     | Patented design - a single duct will connect to multiple U-ERVs  |
| Fan Motors:                  | ECM                        | Variable Airflow adjustability & balancing with mechanical turn potentiometers<br>Remote Variable Airflow adjustability via 0-10V signal |
| Antimicrobial Membrane:      | Salt / Ceramic             | Proven highly antimicrobial without the addition of additives. Actively kills bacteria flowing with both airstreams                      |
| Non-Fused Disconnect:        | UL98 Rated                 | Lowers Installed Cost - Defeatable Lockout For Safe Access   |
| Application:                 | Any Orientation            | Universal Compatibility for Bolt-on, Roof-top, Exterior or Interior Installation   |
| Electrical Power:            | 208 - 230 AC 3 Phase       | VAC Input (50/60Hz)  |
| Exterior Shell:              | Polypropylene              | Corrosion Proof, double wall construction<br>Nano-particle metal-oxide insulation  |

| Universal ERV/HRV 1800 Unit Data |          |   |                       |                                  |                                    |                                |                              |      |     |
|----------------------------------|----------|---|-----------------------|----------------------------------|------------------------------------|--------------------------------|------------------------------|------|-----|
|                                  |          | External Static Pressure at<br>1800 CFM |                       | Unit Data                        |                                    |                                |                              |      |     |
| Model Number                     | Type     | Supply<br>(in. w.g.)                    | Exhaust<br>(in. w.g.) | Module<br>Weight<br>(lbs.) (Ea.) | Fan Cube<br>Weight<br>(lbs.) (Ea.) | Total Unit<br>Weight<br>(lbs.) | Power<br>208 VAC<br>3Ø(Amps) |      |     |
|                                  |          |   |                       |                                  |                                    |                                | FLA                          | MCA  | MOP |
| U-ERV-1800                       | Enthalpy | 2.0                                     | 2.0                   | 92                               | 18.5                               | 387                            | 12.2                         | 13.1 | 15  |
| U-HRV-1800                       | Sensible |   |                       |                                  |                                    |                                |                              |      |     |

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1002 New Holland Ave  
Lancaster PA 17601  
[www.energywall.com](http://www.energywall.com)