



Submittal Data

Submittal Data Model : ERV-C100 53-100 CFM@0.4in. w.g.

Description: Energy Recovery ventilator

Project Name:

Location:

Date:

Purchaser:

Engineer:

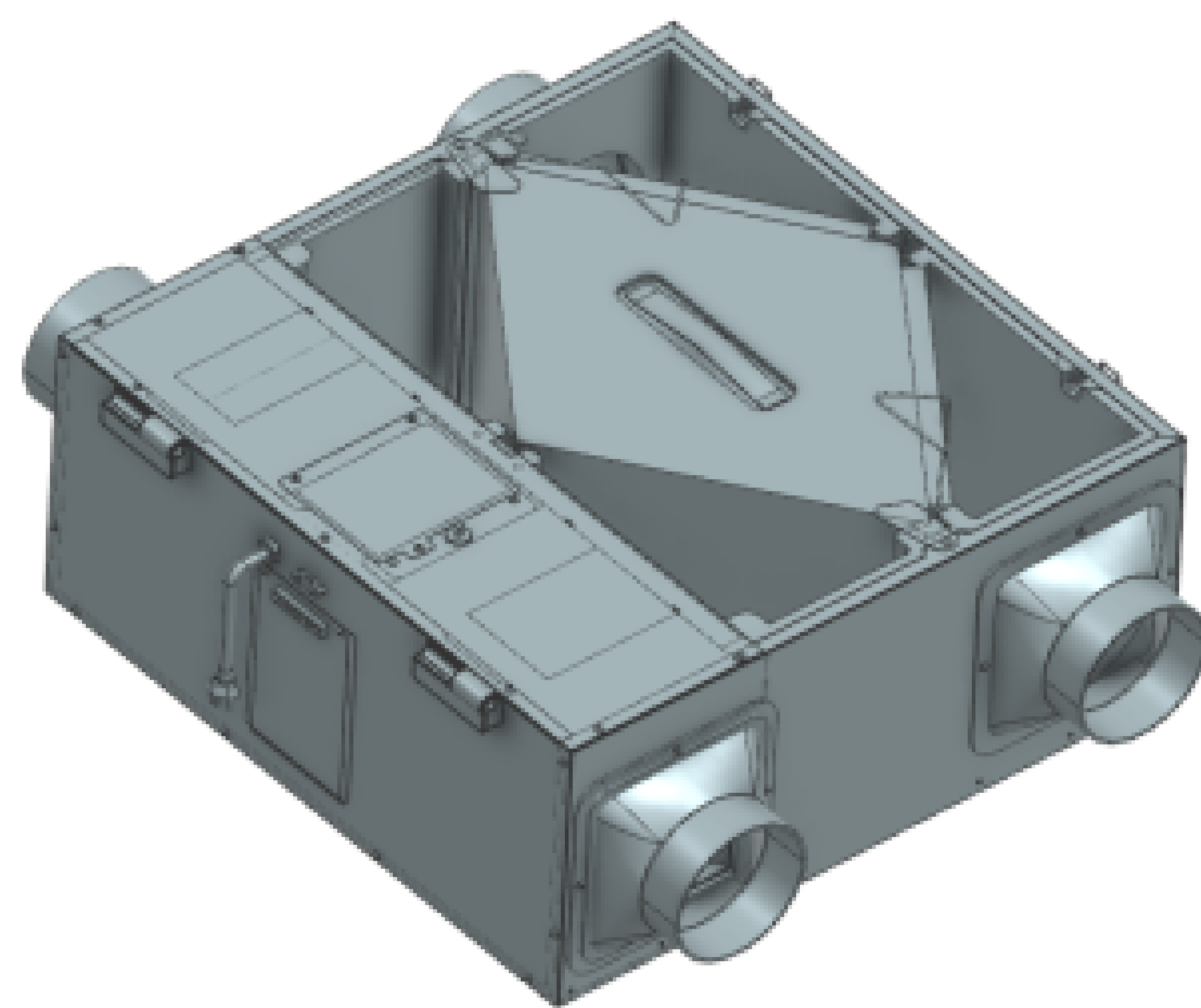
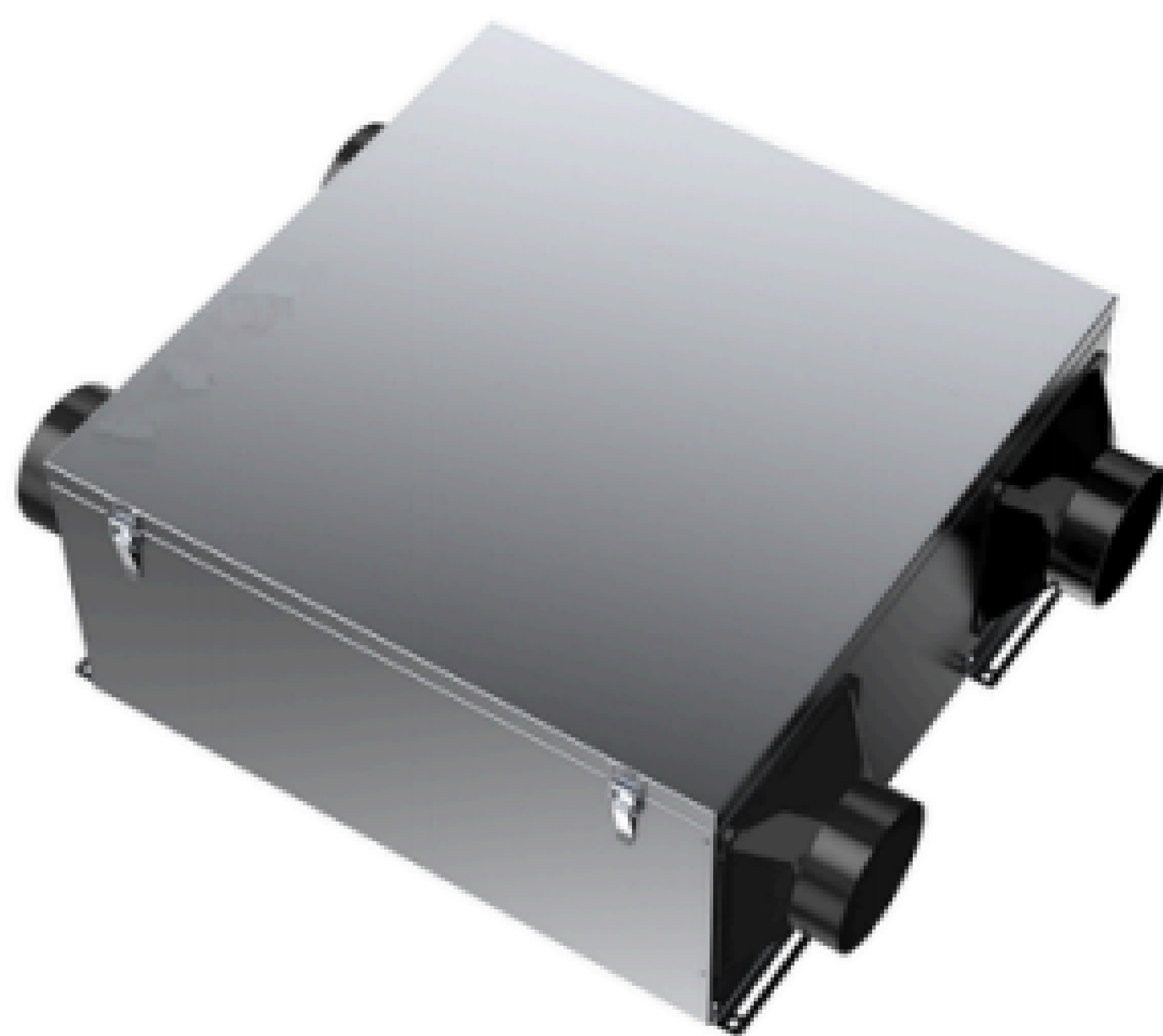
Submitted to:

For:

Review: ☐

Approval: ☐

Eco-Air Energy Recovery Ventilator



Product Features:

- Constant Airflow – The Eco-Air ERV's constant airflow technology ensures balanced ventilation, preventing energy loss and poor indoor air quality caused by duct resistance, filter clogging, or pressure changes.
- Auto Balancing – Fast installation reduces setup time by up to 20 minutes per unit, thanks to Eco-Air's innovative auto-balancing and self-adjusting technology.
- Flexible Mounting Options – Including horizontal and wall-mounted configurations, enabling seamless integration into a variety of residential applications.
- ECM Motors – High-performance ECM motors ensure reliable, energy-efficient operation.
- Easy Maintenance – The ERV features an easily accessible service door for hassle-free maintenance and filter replacements.
- Three-Speed Airflow – Selectable airflow settings from 53–100 CFM accommodate a variety of residential ventilation requirements.
- Warranty & Certifications – Includes a 6-year limited motor warranty and 3-year limited parts warranty. HVI Certified, UL 1812 and CSA C439 approved.



Product Dimensions:

Performance Data	
Airflow rate (CFM)	96 / 85 / 65
External Static Pressure (in. w.g)	0.4 / 0.2 / 0.1
Sound Pressure (dBA)	30 / 28 / 24
Outdoor air Temperature Operating range (°F Dry Bulb)	-18 °F ~ 109 °F

Electrical Data	
Power Supply (V/HZ/Ph)	120 / 60 / 1
MCA (A)	1.4
MOP (A)	15
Max Input Power (W)	180
Motor Type	ECM Motor – Brushless, Digitally Controlled / Direct Drive
Motor Speeds	3 Speeds with basic control

Product Data	
Dimension (H x W x D)	9-1/12" x 20-1/16" x 20-1/14"
Weight (lbs.)	36
Core type	Cross Flow, Non-Washable
Filter type	2 washable filters, MERV 8

Fan Performance:

Static Pressure (in. w.g)	Supply Airflow (CFM)	Exhaust Airflow (CFM)	Power (Watts)
0.1	96	95	43
0.2	96	95	50
0.3	96	95	57
0.4	97	95	66



Static Pressure (in. w.g)	Supply Airflow (CFM)	Exhaust Airflow (CFM)	Power (Watts)
0.5	97	96	71
0.6	98	96	77
0.7	99	97	83
0.8	99	97	94
0.9	100	98	100
1.0	100	98	107
1.2	102	97	120

Energy Performance:

Heating	Inlet supply air temperature (°F)	Outdoor airflow (SCFM)	Average Power (Watts)	Sensible Recovery Efficiency SRE	Adjusted Sensible Recovery Efficiency ASRE	Fan Efficiency (cfm/w)
1	32	64	30	77.4%	80.7%	2.1
2	32	92	46	73.6%	77.1%	2
3	-13	43	30	44.3%	45.4%	1.43

Cooling	Inlet supply air temperature (°F)	Outdoor airflow (SCFM)	Average Power (Watts)	Sensible Recovery Efficiency SRE	Adjusted Sensible Recovery Efficiency ASRE	Apparent effectiveness	Net Moisture Transfer
1	95	65	30	63.3%	65.6%	67%	34.8%



Product Dimensions:

