

ACiQ Model#: AERV150EC

ACiQ Energy Recovery Ventilator (40CFM to 150CFM)

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

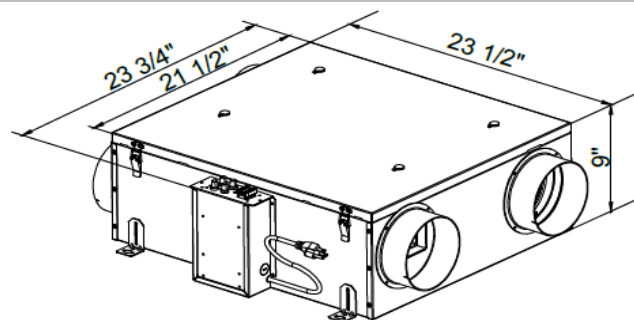
Ventilator UPC Product Code: 81017555799



Ventilator Specifications

Power Supply	V, Hz	120V / 60Hz
Unit Dimensions (W×D×H)	inch	23.75 x 23.50 x 9.00
	mm	603.25 x 596.90 x 228.60
Inlet & Outlet Duct Diameter	inch	6.00
	mm	152.40
Air Delivery (CFM@ 0.2 in. wg. / 50 Pa)	CFM	142
Air Delivery (CFM@ 0.4 in. wg. / 100 Pa)	CFM	142

Ventilator Dimensions Diagram



Ventilator Heating & Cooling Efficiency Ratings Table

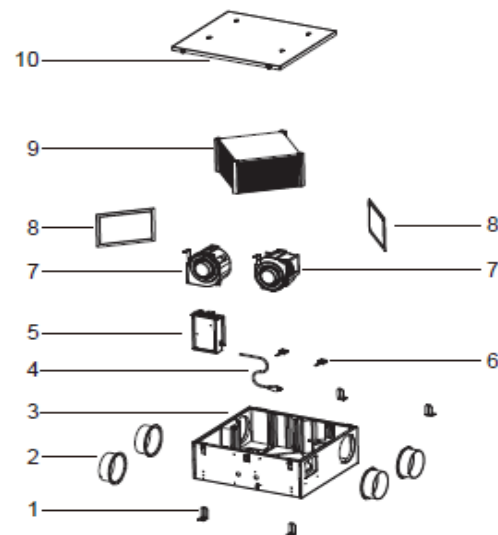
ENERGY RATINGS					
Temperature Mode	Temperature		Net Supply Airflow (CFM)	Sensible Recovery Efficiency (SRE)	Total Recovery Efficiency (TRE)
	Deg C	Deg F			
HEATING	0	32	37	77%	-
			65	73%	-
			131	62%	-
			146	62%	-
COOLING	35	95	37	-	80%
			64	-	70%
			131	-	58%

Ventilator Fan Performance Table

External Static Pressure (Pa)	External Static Pressure (in)	Net supply Airflow (L/s)	Net supply Airflow (cfm)	Gross Airflow Supply (L/s)	Gross Airflow Supply (cfm)	Gross Airflow Exhaust (L/s)	Gross Airflow Exhaust (cfm)
25	0.1	71	150	71	150	71	150
50	0.2	71	150	71	150	71	150
75	0.3	71	150	71	150	71	150
100	0.4	71	150	71	150	71	150
125	0.5	67	142	67	142	67	142
150	0.6	63	135	63	135	63	135
175	0.7	60	127	60	127	60	127
200	0.8	56	120	56	120	56	120
225	0.9	52	112	52	112	52	112
250	1.0	49	105	49	105	49	105
300	1.2	42	90	42	90	42	90

Ventilator Exploded View

PART	PART NAME	Qty.
1	Mounting Bracket	4
2	Duct Collar	4
3	Housing	1
4	Power Cord	1
5	Power Box	1
6	T&RH Sensor	2
7	Blower Assembly	2
8	Filters	2
9	Core	1
10	Door	1



Features

- Enhances indoor air quality and optimizes the moisture content of the inside air while retaining existing heat
- Equipped with powerful fans that ensure the unit maintains a balanced airflow into rooms while also exhausting stale indoor air
- Equipped with two enclosed EC motors rated for continuous operation
- Easy installation (includes necessary brackets)
- Exhaust defrost and low temperature protection in extreme conditions
- Built-in humidity sensor to maintain a comfortable humidity level
- Uses replaceable filters (MERV8 for outside air & MERV3 for return air)
- Optional Wall Timer Switch (WTS) & Digital Fault Indicator Display (FID), sold separately (ACIQ Model #s: AERV.TIMER & AERV.DISPLAY)
- Available with door switch that cuts power to the unit motors when a door is opened in order to maintain efficiency
- Equipped with test ports with plugs in each area to allow for airflow/pressure to be tested during the start-up & balancing process
- Equipped with knob to manually adjust unit run time per hour, from 5 minutes to 60 minutes
- Supply & Exhaust airflow volume can be manually adjusted from 40 CFM up to a maximum of 150CFM
- CSA standard C439-18 compliant