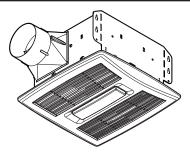
## **SPECIFICATION SHEET**



# MODEL AE50110DCSL FLEX DC<sup>™</sup> SERIES HUMIDITY SENSING FAN / LIGHT



A modern-styled, high performance fan, with sensing circuitry, that "knows" when to ventilate the room.

#### **FEATURES**

#### BLOWER:

- Plug-in, permanently lubricated, brushless DC motor engineered for continuous operation
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Low RPM for quiet operation
- Selectable settings of 50, 80 or 110 CFM

#### HOUSING:

- Rugged, 26 gauge, galvanized steel construction
- Polymeric, 4" damper / duct connector with tapered sleeve and no metallic clatter
- 5-3/4" height allows for 2" x 6" ceiling installations
- Sturdy, easy, four-point mounting directly to joist
- Optional snap-on flange kit

#### GRILLE:

- Polymeric construction
- Innovative design the result of extensive research with designers and consumers
- 11-Watt integrated LED lighting for energy efficiency
- 3500K color temperature provides soft white light ideal for bathroom illumination
- LED lasts up to 25,000 hours for maintenance-free convenience

#### DIMMING CONTROLS :

- For a list of compatible dimming controls, see the RESOURCES link for Model AE50-110DCSL at www.broan.com
- Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance

• Dimmer model numbers vary slightly depending on color, packaging type, etc. such that variations of model numbers may be suitable. Consult dimming system manufacturer for additional support in operation

#### AUTOMATIC CONTROL:

- Humidity control automatically turns fan ON when either of these conditions is detected:
  - a rapid to moderate (user adjustable) increase of humidity
  - humidity above user-adjustable set-point (50%-80% RH)
- Two wire manual operation for odor control Turns fan ON when power line through wall switch is cycled ON, OFF and back ON
- Remains ON for a user-adjustable 5 to 60 minutes after humidity has stabilized and is below set-point or after manually initiated through power line cycling
- Saves energy because unit runs only for the time required. A unit controlled with a wall timer may keep fan ON longer than required or turn it OFF before room is sufficiently ventilated

U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit (ceiling mount only)

U.L. Listed for use in insulated ceilings (Type I.C.)

3-Year Warranty







Broan Hartford, Wisconsin www.broan.com 800-558-1711

REFERENCE	QTY.	REMARKS	Project	
			Location	
			Architect	
			Engineer	
			Contractor	
			Submitted by	Date

## PERFORMANCE RATINGS - MODEL AE50110DCSL FLEX DC<sup>™</sup> SERIES HUMIDITY SENSING FAN / LIGHT

## HVI PERFORMANCE

Speed Setting	Static Pressure (In. H <sub>2</sub> 0)	Airflow (CFM)	Sound (Sones)	Power (Watts)	Efficacy (CFM/W)
50	0.1	50	< 0.3	3.4	14.7
	0.25	36	0.5	5.3	6.7
80	0.1	80	0.4	6.5	12.6
	0.25	71	0.9	9.4	7.6
110	0.1	110	0.9	10.6	10.4
	0.25	105	1.4	14.9	7.0

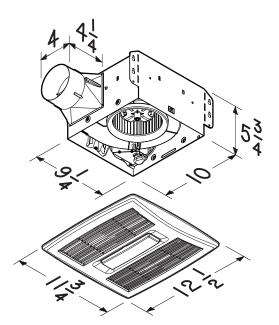


HVI-2100 CERTIFIED RATINGS comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in a state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements.

# ELECTRICAL & WEIGHT

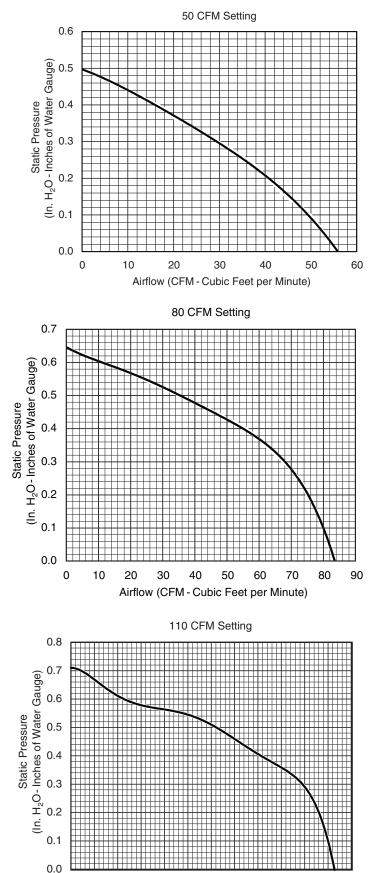
Volts	Hz	Amps	Shipping Weight
120	60	0.4	8.5 lb.







### AIR FLOW PERFORMANCE



Broan Hartford, Wisconsin www.broan.com 800-558-1711

20

30

40 50 60 70 80

Airflow (CFM - Cubic Feet per Minute)

90 100 110 120

0 10