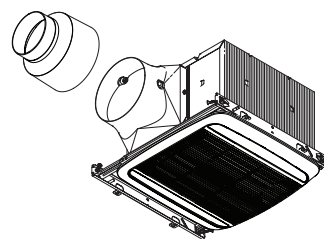# BROAN®

MODEL XB50L1
VENTILATION FAN WITH LIGHT

FEATURES

ULTRASMART™ DC Motor and Control Technology

• DC motor for efficiency well beyond ENERGY STAR® requirements.
• Can be used to comply with ASHRAE 62.2, LEED, ENERGY STAR® for Homes and CA Title 24.
• Powerful operation maintained over a wide range of real-world installations (CFM ratings maintained through at least 0.25" static pressure).
• Rated for Continuous Operation.

ULTRASILENT™ Sound Technology

• HVI certified, best-achievable <0.3 Sone level provides nearly silent operation for a relaxing environment.
• State-of-the-art blower and duct outlet design smooths airflow.
• High tech DC motor designed for nearly silent operation.

ULTRALUCENT™ Lighting Technology

LIGHTING / GRILLE:

• Highly efficient, 18 Watt, integrated LED, dimmable
• LED lasts up to 25,000 hours
• Unique, low profile design for wide light pattern
• Even lens diffusion eliminates hotspots

TO OPERATE FAN AND LIGHT:

• Use only an ON/OFF or timer switch to operate the fan.
• Use only an ON/OFF switch, timer switch or relay-switch to operate the LED light.
• The LED light can be used with some dimmable switches (see below).
• Both the fan and LED light can be put on one switch.

DIMMING CONTROLS :

• May not be compatible with all dimmer controls
• 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
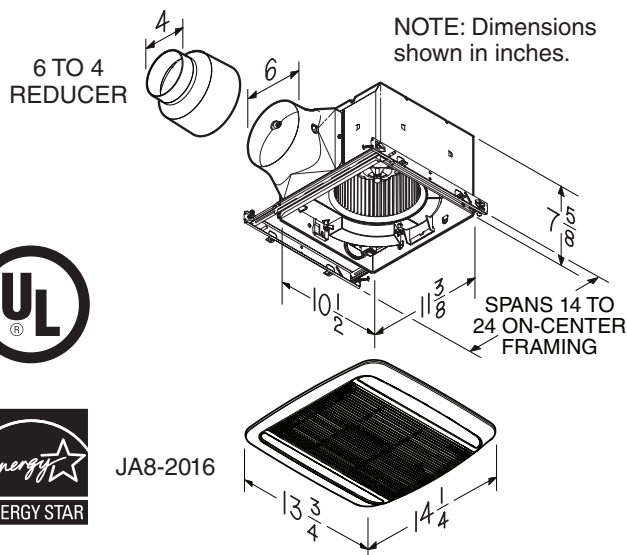
ULTRAQUICK™ Installation Technology

• Unique telescoping mounting frame fits through retrofit drywall opening to allow easy installation from the room side. No attic access needed!
• Captive screws allow for easy new construction installation.
• Mounting frame positioning tabs provide easy vertical positioning for new construction.
• Easy to insert and remove snap-in housing. No screws required!
• Easy to insert and remove snap-in blower.
• Inside or outside duct connector and knockout plate mounting provides flexibility for new construction or retrofit.

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

UL Listed for use in insulated ceilings (Type IC).

Use only ON/OFF switch, mechanical timer or relay-switched control.

3-year warranty.

DIMENSIONS

NOTE: Dimensions shown in inches.

6 TO 4 REDUCER

SPANS 14 TO 24 ON-CENTER FRAMING

JA8-2016

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

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BROAN®

PERFORMANCE SPECIFICATIONS
MODEL XB50L1 VENTILATION FAN WITH LIGHT

HVI PERFORMANCE

4" Duct					6" Duct				
0.1 Ps - Static Pressure (inH2O)				0.25 Ps	0.1 Ps - Static Pressure (inH2O)				0.25 Ps
Airflow (CFM)	Sound (Sones)	Power (Watts)	Efficacy (CFM/Watt)	Airflow (CFM)	Airflow (CFM)	Sound (Sones)	Power (Watts)	Efficacy (CFM/Watt)	Airflow (CFM)
50	< 0.3	5.3	9.4	50	50	< 0.3	4.9	11.8	48

® 2100 HVI CERTIFIED

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 (lbs.)
120	60	0.3	13.9

* Total connected load

UL®   energy ENERGY STAR

Static Pressure (inH2O - Inches of Water Gauge) vs Airflow (CFM - Cubic Feet per Minute)