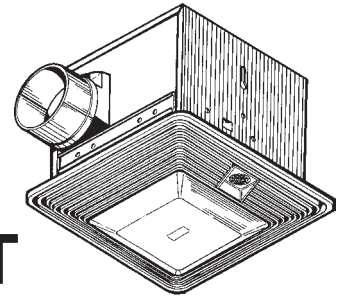




MODEL MS120L SENSAIRE® MOTION SENSING BATH FAN/LIGHT/NIGHT LIGHT



A modern-styled, high performance fan/light that turns itself ON and OFF using built-in motion sensing circuitry.

FEATURES

GRILLE:

- Low profile styling with flush mount light lens
- 100W incandescent lamp. (Bulb not included)
- Convenient 7-Watt Night-Light (bulb not included)
- Durable aluminum reflector with white enamel finish

BLOWER:

- Plug-in, thermally protected, permanently lubricated motor
- Dynamically balanced centrifugal blower wheel for quiet, efficient performance
- Low RPM ultra-quiet operation
- Quick one-screw installation/removal
- Resilient neoprene anti-vibration motor mounts

HOUSING:

- Rugged 24 gage steel construction finished with black, electrically-bonded epoxy paint
- Tapered, 4" round polymeric connector-no metallic clatter
- 7-5/8" height allows for 2" x 8" (nominal) joist installations
- Mounts between joists or directly to joist
- Adjustable mounting brackets span up to 24"

MOTION SENSOR:

- Turns fan, and/or light ON when motion is detected
- Remains ON for an adjustable 5 to 60 minutes after motion is no longer detected
- Fan and light may be controlled separately or together, automatically (using sensor) or manually.
- Prolongs fan life since fan runs only when necessary
- Saves energy because unit runs for the time required. A unit controlled with a wall timer may keep fan (and/or light) ON longer than required or turn it OFF before room is sufficiently ventilated

CONTROLS: Designed by Broan for use with this product (purchase separately)

- Model 77W, P77W, 77DW, P77DW 4-Function Control (White Wall Plate), 77DV (Ivory Wall Plate)
- Model 66V, P66V, (Ivory)/66W, P66W(White), 3-Function Control
- Model 65V, P65V/65W, P65W 3-Function Control

- (Polished Brass Wall Plate)
 - Model 67V, P67V/67W, P67W 3-Function Control (Polished Chrome Wall Plate)
- U.L. listed for use over tub/shower enclosure when connected to GFCI branch wiring.
U.L. listed for use in insulated ceilings (TYPE I.C.)

TYPICAL SPECIFICATION

Ventilator shall be Broan Model MS120L Fan/Light/Night-Light.

The unit will have a motion sensor that will turn fan (and/or light) "ON" automatically when motion is detected. It shall be user-adjustable to turn "OFF" 5-60 minutes after motion is no longer detected.

Ventilator shall have steel housing with black electrically-bonded epoxy paint. Mounting brackets to be adjustable. It shall be ducted to a roof or wall cap using 4" round ductwork. Automatic backdraft damper shall be located within duct connector.

Blower assembly shall be removable, have a centrifugal-type blower wheel and a permanently lubricated motor, mounted with resilient anti-vibration mounts.

Lamp shall be 100W maximum incandescent with separate 7-Watt night-light.

Air delivery shall be no less and sound levels no greater than listed. All air and sound ratings shall be certified by AMCA and/or HVI. Unit shall be U.L. listed for use over tub/shower enclosure when connected to GFCI branch wiring. Unit shall be U. L. listed for use in insulated ceilings. (TYPE I.C.)



Broan-NuTone LLC certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Broan-NuTone LLC, 926 West State Street, Hartford, WI 53027 (1-800-637-1453)

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

PERFORMANCE RATINGS - MODELS MS120L

AMCA LICENSED PERFORMANCE

Model No.	Sones @ 0.0" S.P.	CFM @ Static Pressure (Ps - Inches of H ₂ O)					Volts	Watts	Nominal RPM	Duct Size
		0.0	0.1	.125	.250	.375				
MS120L	4.8	141	130	126	107	87	120	90*	1350	4" Dia.

The performances shown are with inlet grille, backdraft damper and outlet duct. RPM shown is nominal and the performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for installation Type B: free inlet fan sone levels. *Fan Only.

SONES

Model Number	HVI Sones @ 0.1" S.P.**	AMCA Sones @ 0.0" S.P.**
MS120L	3.5	4.8

*There is a difference between sone values certified by HVI for residential use and by AMCA for commercial/industrial use. Exact comparison of these values is not possible. This difference is mainly due to the procedures used to convert measured sound to perceived sound. ANSI S3.4, used by both HVI and AMCA, specifies a procedure for calculating loudness as perceived by a typical listener under specific conditions. HVI establishes values at a distance of 5 feet from the fan in a "spherical free field"; AMCA establishes values at a distance of 5 feet in a "hemispherical free field". HVI and AMCA have different rules for rounding sone values.

AMPS

MODEL NUMBER	AMPS*
MS120L	1.80

*Total Connected Load



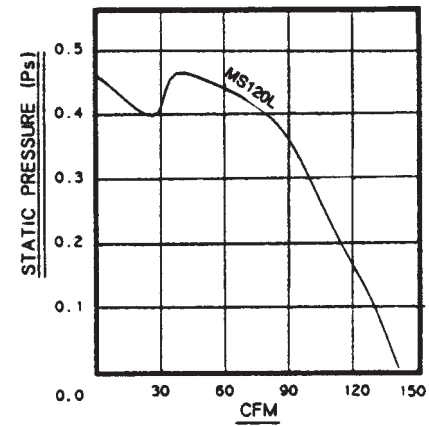
"Broan-NuTone LLC certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program."

HVI PERFORMANCE

MODEL NUMBER	SONES	CFM @ 0.1" Ps
MS120L	3.5	120



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 AMCA's state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements.



WEIGHT

MODEL NUMBER	SHIPPING WT.
MS120L	10.8 LBS.

