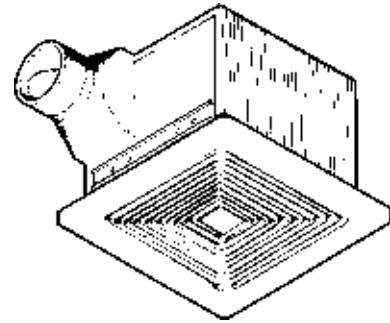




SPECIFICATION SHEET

SOLITAIRE ULTRA-SILENT® BATH FANS MODELS S50U, S80U, S110U



Ultra-quiet high performance bath fan with a modern-styled, low-profile grille.

FEATURES

GRILLE:

- Conceals interior
- Low profile styling blends well with any decor
- Non-yellowing, white polymeric
- Torsion spring mounting - no tools required

BLOWER:

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

HOUSING:

- Rugged 24 gage steel construction finished with black, electrically-bonded epoxy paint
- Tapered, 4" round, polymeric duct 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"

CONTROLS: Designed for use with these products (purchase separately)

- Model 69VL (Ivory) / 69WL (White) - One rocker switch with "on" indicator light
- Model 269VL (Ivory) / 269WL (White) - One rocker switch with "on" indicator light and one non-lit rocker switch
- Model 685VL (Ivory) / 685WL (White) - One rocker switch with "on" indicator light and two non-lit rocker switches

U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit.

TYPICAL SPECIFICATION

Ventilator shall be Broan Model S50U (S80U) (S110U).

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 designed for continuous operation and mounted with resilient anti-vibration mounts.

Air delivery shall be no less and sound levels no greater than listed for each model. All air and sound ratings shall be certified by AMCA and HVI. Unit shall be U.L. Listed.



"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."



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

PERFORMANCE RATINGS

SOLITAIRE ULTRA-SILENT® BATH FANS

AMCA LICENSED PERFORMANCE

Model	Sones @ 0.0" Ps	CFM @ Static Pressure (in. wg Ps)					Volts	Hz	Watts	RPM	Duct Size
		0.0"	0.1"	.125"	.250"	.375"					
S50U	0.4	72	48	40	—	—	120	60	51	820	4" Diameter
S80U	1.2	94	77	73	48	19	120	60	80	1000	4" Diameter
S110U	2.4	118	105	102	83	57	120	60	57	1160	4" Diameter

Performance shown is for installation type B - Free inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of supplied inlet grille and backdraft damper in the airstream. 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.

SONES

Model	HVI Sones @ 0.1" Ps*	AMCA Sones @ 0.0" Ps*
S50U	0.5	0.4
S80U	1.0	1.2
S110U	1.5	2.4

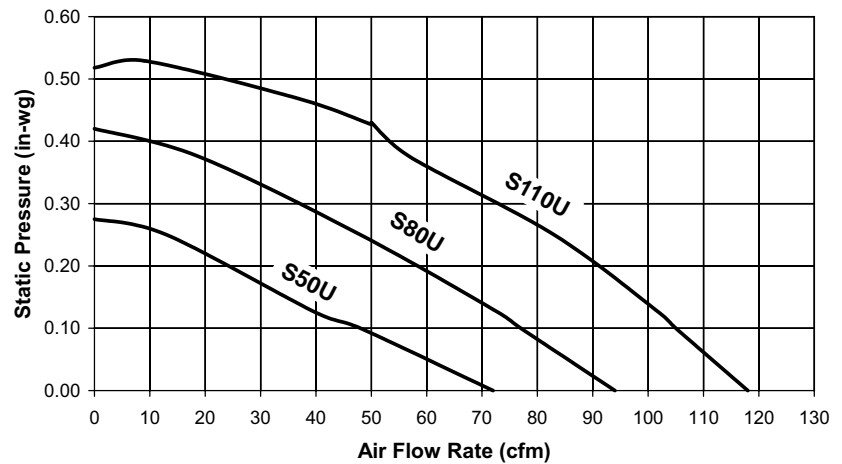
*There is a difference between sone values certified by HVI for residential use and by AMCA for commercial/industrial use. Exact comparison of these values is not possible. This difference is mainly due to the procedures used to convert measured sound to perceived sound. ANSI S3.4, used by both HVI and 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".

AMPS

Model	Amps
S50U	0.7
S80U	1.1
S110U	0.7



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HVI PERFORMANCE

Model	Sones @ 0.1" Ps	CFM @ 0.1" Ps	CFM @ 0.25" Ps
S50U	0.5	50	--
S80U	1.0	80	--
S110U	1.5	110	--



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	Shipping Weight
S50U	10 LBS
S80U	10 LBS
S110U	10 LBS

