

ADDVENT

BATH FANS & DOOR CHIMES





CHOOSING THE RIGHT BATH FAN

CFM and Sones



Cubic Feet Per Minute

Spot ventilation is used in areas where removal of moisture, odor, and airborne pollutants is important such as bathrooms, laundry rooms, exercise rooms, or kitchens.

The Home Ventilating Institute

The Home Ventilating Institute recommends 8 air changes per hour (ACH) for bathrooms, 15 for kitchens, and 6 for living/bedrooms. Air movement is measured in cubic feet per minute (CFM). To determine CFM, find the cubic footage of a room, divide by 60 minutes, then multiple by the ACH.



BATHROOM CFM
 $7 \times 8 \times 10' = 560 / 60 \text{ min} = 9.3 \times 8 \text{ ACH} = \mathbf{75 \text{ CFM}}$



BEDROOM CFM
 $5 \times 7 \times 10' = 350 / 60 \text{ min} = 5.8 \times 6 \text{ ACH} = \mathbf{35 \text{ CFM}}$



KITCHEN CFM
 $12 \times 10 \times 10' = 1200 / 60 \text{ min} = 20 \times 15 \text{ ACH} = \mathbf{300 \text{ CFM}}$



LIVING ROOM CFM
 $10 \times 10 \times 10' = 1000 / 60 \text{ min} = 16.6 \times 6 \text{ ACH} = \mathbf{100 \text{ CFM}}$

A typical standard is that the CFM should be greater than the square footage of the room. Remember to account for complicated duct work. If the duct run from the bath fan is long or contains many turns, a higher CFM will be required to compensate from air flow restrictions.

Sones

Sones are the perceived loudness of a fan but unlike decibels, sones are measured in a linear scale, therefore a sone level of 4 is four times as loud as a sone level of 1. *A good rule of thumb is that ~1 sone is about as loud as a refrigerator.*



Standard Bath Fans

The 120V 60Hz low-RPM motor sits inside 26-gauge steel rust-resistant housing. All fans are ETL and cETL listed for tub or shower when used with a GFCI branch circuit.



ABF50 / ABF70



ABF80 / ABF100



ABF50L / ABF70L



ABF80L / ABF100L

Performance Specifications

Part Number	CFM	Sones	Fan Wattage	Lamp/Base	Compatible Ducting	Optional Accessories
ABF50	50	3.5	45W	--	3"	--
ABF70	70	3.5	62W	--	4"	--
ABF80	80	0.3	16W	--	4"	Humidity Sensor, Speed Control
ABF100	100	0.8	45W	--	4"	Humidity Sensor, Speed Control
ABF50L	50	3.5	45W	26W/E26	3"	--
ABF70L	70	3.5	62W	26W/E26	4"	--
ABF80L	80	0.3	16W	LED	4"	Humidity Sensor, Speed Control
ABF100L	100	0.8	23W	LED	4"	Humidity Sensor, Speed Control

Only one accessory can be used per fan.

Replacement Grilles



AG5070
Replacement grille for ABF50 & ABF70



AG90100L
Replacement grille for ABF90/ABF90L & ABF100/ABF100L



AG5070L
Replacement grille for ABF50L & ABF70L



AG90100
Replacement grille for ABF90/ABF90L & ABF100/ABF100L

Replacement Motors



AM50
Replacement motor for ABF50/ABF50L



AM90
Replacement motor for ABF90/ABF90L



AM70
Replacement motor for ABF70/ABF70L

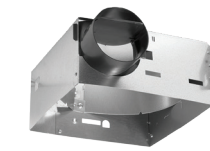


AM100
Replacement motor for ABF100/ABF100L



Two-Stage Installation Bath Fans

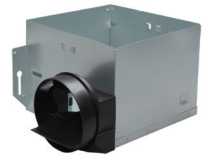
Sold separately as housing and a motor/grille combo, the two-stage installation allows for the housing to be installed during construction and the motor/grille during the finishing process, protecting the motor from damage.



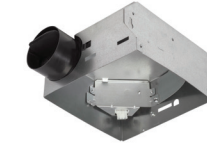
ABF50H



ABF50M



ABF50LH



ABF70H



ABF70M



ABF50LM

Performance Specifications

Part Number	CFM	Sones	Fan Wattage	Lamp/Base	Compatible Ducting	Optional Accessories
ABF50H	--	--	--	--	3"	--
ABF50M	50	3.5	45W	--	--	--
ABF50LH	--	--	--	26W/E26	4"	--
ABF50LM	50	3.5	45W	26W/E26	--	--
ABF70H	--	--	--	--	4"	--
ABF70M	70	3.5	62W	--	--	--

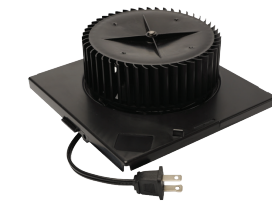
Replacement Motors



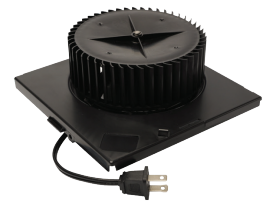
AM50
Replacement motor for ABF50

Retrofits

Our 120V retrofit kits are designed to be high performance and to exhaust air quietly and efficiently. They are compatible with Broan-NuTone's 688 and 671 models and are ETL listed.



ABF50-RF



ABF70-RF

Performance Specifications

Part Number	CFM	Sones	Fan Wattage	Compatible Ducting	Optional Accessories
ABF50-RF	50	2	45W	4"	--
ABF70-RF	70	3	62W	4"	--

Premium Bath Fans

The 120V 60Hz low-RPM motor sits inside 26-gauge steel rust-resistant housing. All fans are ETL and cETL listed for tub or shower when used with a GFCI branch circuit.



ABFQ80 / ABFQ110



ABFQ80L / ABFQ110L

Performance Specifications

Part Number	CFM	Sones	Fan Wattage	Lamp/Base	Compatible Ducting	Optional Accessories
ABFQ80	80	0.4	25W	--	4" & 6"	Humidity Sensor, Motion Sensor, Bluetooth Speaker, Speed Control
ABFQ110	110	0.9	32W	--	4" & 6"	Humidity Sensor, Motion Sensor, Bluetooth Speaker, Speed Control
ABFQ80L	80	0.4	25W	26W/E26	4" & 6"	Humidity Sensor, Bluetooth Speaker, Speed Control
ABFQ110L	110	0.9	32W	26W/E26	4" & 6"	Humidity Sensor, Bluetooth Speaker, Speed Control

Only one accessory can be used per fan.

Replacement Grilles



AG80110Q
Replacement grille for ABFQ80 & ABFQ110



AG80110QL
Replacement grille for ABFQ80L & ABFQ110L



AG80110QLED
4200K LED light grille compatible for all premium bath fans

Replacement Motors



AMQ80
Replacement motor for ABFQ80 & ABFQ110



AMQ110
Replacement motor for ABFQ80L & ABFQ110L



Optional Accessories

Turn standard fans into all-in-one solutions. See back cover for product specifications and compatibility. Only one accessory can be used per fan.



ABF HUMIDITY | ABF Humidity Sensing
Automatically turns on when humidity rises above a set level.



ABFQ MOTION | ABFQ Motion Sensing (PIR)
Control the bath fan automatically with passive infrared motion sensing.



ABFQ BLUETOOTH | ABFQ Bluetooth Speaker
Play music through the wireless bluetooth speaker.



ABFQ SPEED | ABFQ Variable Speed Control
Control the CFM by adjusting the speed of the motor.



Recessed Bath Fan

Our recessed bath fan has similar aesthetics as recessed lighting, allowing the fan to blend in with the design. Features a 120V 60Hz low-RPM motor that sits inside a 26-gauge steel rust-resistant black housing. ETL rated.



ABF80R

Performance Specifications

Part Number	CFM	Sones	Fan Wattage	Lamp/Base	Compatible Ducting	Optional Accessories
ABF80R	80	1.2	28W	26W/E26	4" & 5"	Humidity Sensor

Replacement Trims



AG80R
Replacement white trim for ABF80R

Replacement Motors



AMR80
Replacement motor for ABF80R

Adjustable Bath Fans

ABF series bath fans are high performance, bath fans designed to exhaust air quietly and efficiently. These bath fans have a built-in toggle switch for high speeds selection. The continuous adjustable low speed operation allows accurate CFM selection. The grille is low profile that has elegance and still able to maintain its simplicity.



ABFCFMA-50100



ABFQCFMA-80140

Performance Specifications

Part Number	CFM	Sones	Fan Wattage	Lamp/Base	Compatible Ducting	Optional Accessories
ABFCFMA-50100	50-100 CFM	0.3/1.0/1.5	50CFM - 3W 80CFM - 7W 100CFM - 11W	--	4"	--
ABFQCFMA-80140	80-140 CFM	0.3/0.3/0.4	80CFM - 6W 110CFM - 9W 140CFM - 13W	--	6"	--

Door Bell Chime Kits

Our door bell chime kits include a 16V 10VA 10W transformer. All door bell chimes are UL listed and include a 1-year warranty.

Performance Specifications



DB1-2WH | Single-Note
• Covers single gang boxes
• Two white-lighted hardwired push-buttons



DB3-2WH | Double-Note
• Covers double gang boxes
• One white-lighted, one unlit hardwired push-buttons



Features Matrix

Quickly compare the key features of our bath fan offerings.



Part Number	CFM	Sones	Light/Night Light	Humidity Sensing	Motion Sensing	Bluetooth Speaker	Speed Control	Ducting	Grille Dimensions (L X W)
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Standard Bath Fans

ABF50	50	3.5	--	--	--	--	--	3"	9.125" X 8.75"
ABF70	70	3.5	--	--	--	--	--	4"	9.125" X 8.75"
ABF80	80	0.3	--	Optional	--	--	Optional	4"	10.25" X 10.5"
ABF100	100	0.8	--	Optional	--	--	Optional	4"	10.25" X 10.5"
ABF50L	50	3.5	Yes	--	--	--	--	3"	9.75" X 8.44"
ABF70L	70	3.5	Yes	--	--	--	--	4"	9.75" X 8.44"
ABF80L	80	0.3	Yes	Optional	--	--	Optional	4"	10" X 10.19"
ABF100L	100	0.8	Yes	Optional	--	--	Optional	4"	10" X 10.19"

Premium Bath Fans

ABFQ80	80	0.4	--	Optional	Optional	Optional	Optional	4" & 6"	13" X 14"
ABFQ110	110	0.9	--	Optional	Optional	Optional	Optional	4" & 6"	13" X 14"
ABFQ80L	80	0.4	Yes	Optional	--	Optional	Optional	4" & 6"	13" X 14"
ABFQ110L	110	0.9	Yes	Optional	--	Optional	Optional	4" & 6"	13" X 14"

Recessed Bath Fans

ABF80R	80	1.2	Yes	Optional	--	--	--	4" & 5"	--
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Adjustable Fans

ABFCFMA-50100	50 80 100	0.3/1.0/1.5	--	--	--	--	--	4"	8.75" X 9.5"
ABFQCFMA-80140	80 110 140	0.3/0.3/0.4	--	--	--	--	--	6"	13.75" X 13"