



*AeroFan*  
*Superior Bathroom Fans*

# AeroFan Bathroom Ventilation Fans



TBF90/TBF120

A great deal of time and money is spent trying to make homes attractive and functional. Bathrooms are a key focus. Today's bathroom designs seek to exude personal style and create a relaxing and peaceful environment. All too often, this serenity can be spoiled by a noisy and ineffective exhaust fan. If an existing bathroom fan is making the "loudest" statement in this tranquil setting, it's time for a change!

Continental Fan's sleek AeroFan bathroom exhaust fan can help create a serene bathroom atmosphere! Engineered to provide superior ventilation and efficient performance, AeroFan's in-ceiling design delivers powerful, effective and quiet ventilation for any bathroom. Available in lighted and non-lighted versions, AeroFan is available with a variety of attractive grille designs that will complement any décor. Its whisper-quiet, two-speed operation sets the AeroFan apart from the competition!



## Design Features

- 2 - speed operation
- Long-life ball bearing motor
- Thermal overload protection
- Adjustable mounting brackets
- Designed for easy installation
- Steel housing with corrosion resistant paint
- Fits 4" & 5" ducts
- Built-in counter balanced damper
- UL Listed for use over a tub/shower enclosure with a GFCI circuit (selected units only)

## Optional Decorative Grilles

(for non-lighted fan, ordered as separate item)



TGRRD

TGRSQ

TGRCH

## Lighted Models



TBFS90L/120L

TBFR90L/120L

## Just how much airflow is required?

HVI recommends ventilation rates based on 8 air changes per hour. For most bathrooms this works out to 1 cfm per square foot of area, with a minimum of 50 cfm.

A bathroom less than 100 square feet:

Calculate 1 cfm per square foot of floor area. A minimum of 50 cfm is the required ventilation rate.

A bathroom larger than 100 square feet:

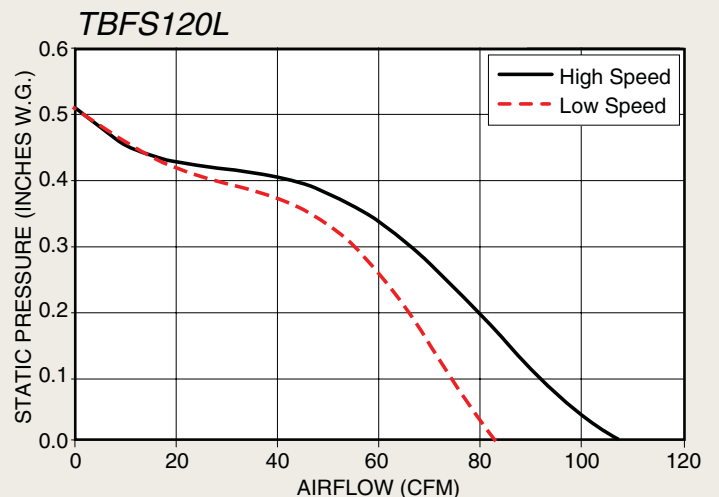
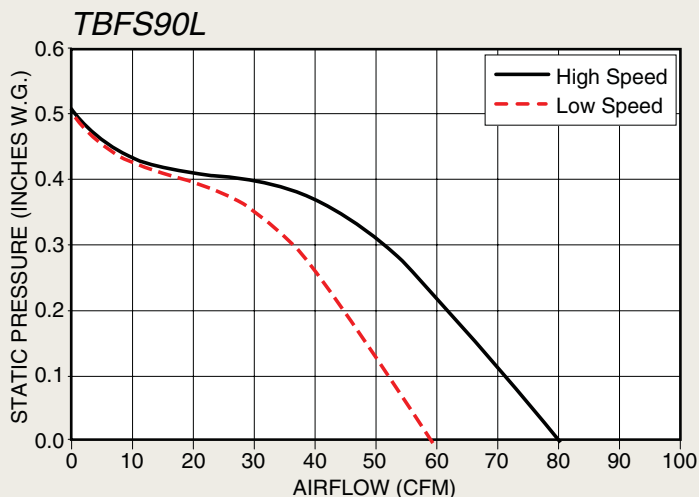
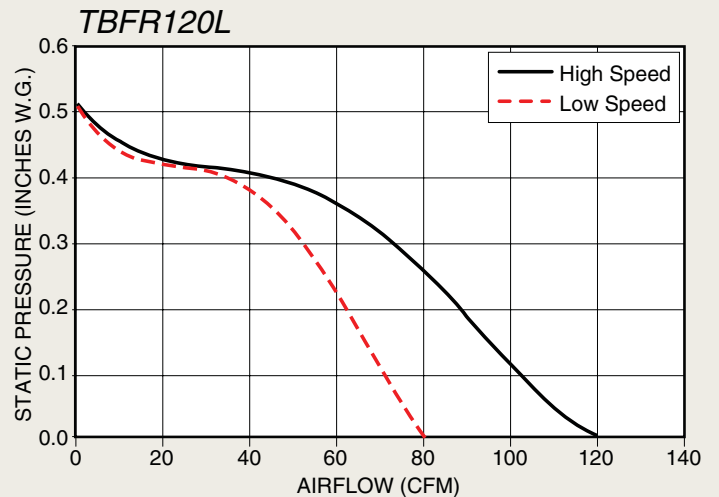
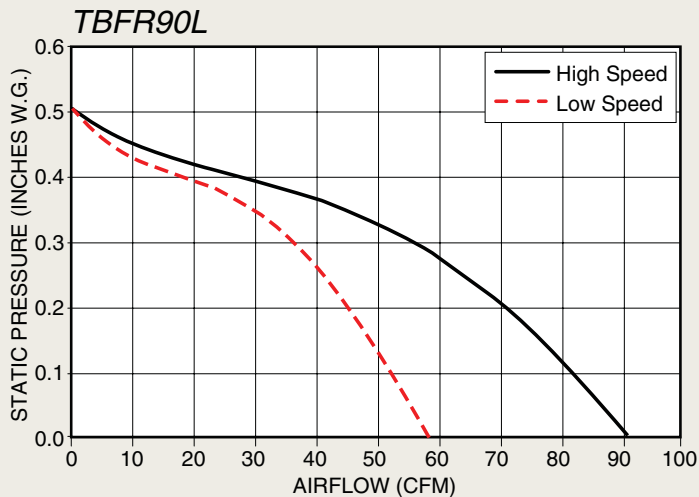
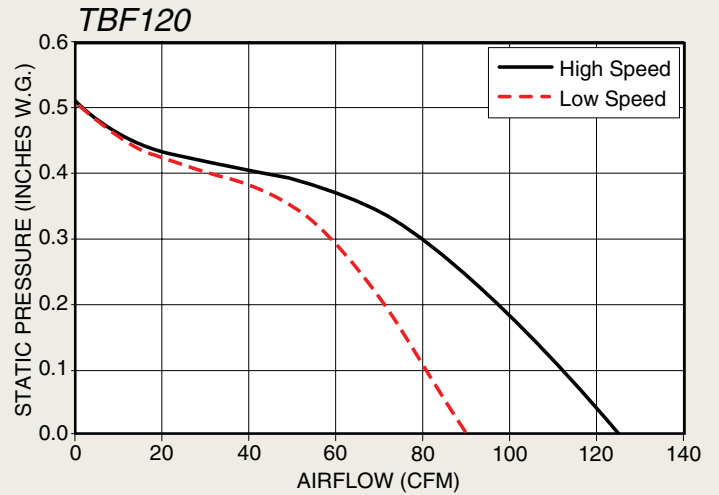
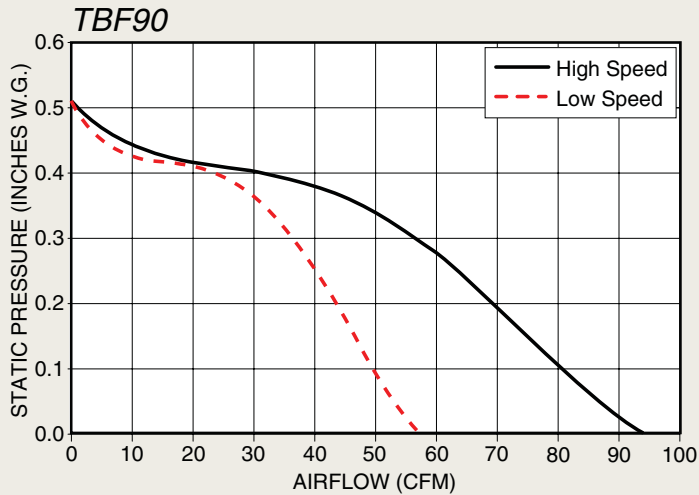
To calculate the proper ventilation rate, add the cfm requirement for each fixture; toilet 50 cfm, shower 50 cfm, bathtub 50 cfm, jetted tub 100 cfm.

Note: For proper sizing, the static pressure (SP) needs to be calculated.

## How do I know which fan is best suited for my application?

The space being ventilated, along with its size, décor and function should be considered. What would suit the space and provide proper ventilation? Sound is paramount for bathroom ventilation; this is a tranquil space that should not be “rattled” by a poor quality fan. Results should be evident, but not heard. Would a fan that also provides light work best in the space to be ventilated? Would a unit that blends into the background best suit the bathroom décor?

## Performance Curves



## Performance Characteristics

Model No.	NON-LIGHTED FANS				LIGHTED FANS							
	TBF90		TBF120		TBFR90L		TBFS90L		TBFR120L		TBFS120L	
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
Operating Speed					Low	High	Low	High	Low	High	Low	High
Air Volume (cfm)	50	80	80	110	50	80	50	70	70	100	70	90
Noise (Sones)	0.9	2.0	1.0	2.0	0.4	2.0	0.6	1.5	0.8	2.0	1.0	2.0
Fan Power Consumption (Watts)	21.1	26.1	31.9	35.4	20.6	23.9	19.6	23.4	32.3	34.7	31.1	32.6
Speed (rpm)	750	1050	775	1050	750	1050	750	1050	775	1050	775	1050
Currents (Amps)	0.18	0.23	0.28	0.31	0.18	0.21	0.17	0.20	0.28	0.30	0.27	0.28
Power Rating (V/Hz)	120V / 60 Hz		120V / 60 Hz		120V / 60 Hz		120V / 60 Hz		120V / 60 Hz		120V / 60 Hz	

Performance data at 0.1" SP as per HVI.

## Specifications

Motor Type	Condenser	Condenser	Condenser	Condenser	Condenser	Condenser
Type of Motor Bearing	Ball	Ball	Ball	Ball	Ball	Ball
Thermal Fuse Protection	Yes	Yes	Yes	Yes	Yes	Yes
Energy Star Qualified	Yes	Yes	Pending	Pending	Pending	Pending
UL Approved	cULus	cULus	cULus	cULus	cULus	cULus
Tab / Shower Mounting*	Yes	Yes	Yes	No	Yes	No
Duct Diameter	4" - 5"	4" - 5"	4" - 5"	4" - 5"	4" - 5"	4" - 5"

\* These fans are acceptable for use over a bathtub or shower enclosure when installed in a GFCI protected circuit.

## Power Consumption (Watts)

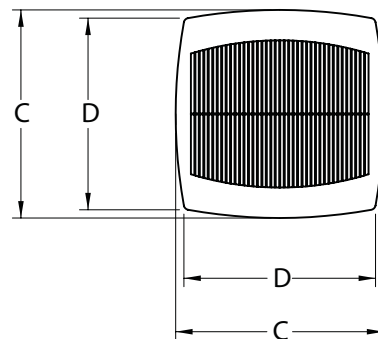
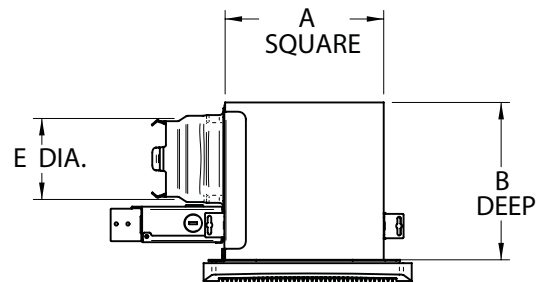
Lamp (Compact Fluorescent)	n/a	n/a	26	26	26	26
Night Light	n/a	n/a	4	4	4	4

## Shipping Weights (lbs)

Weight (1-single unit)	10	11	11	11	13	13
Weight (master carton of 4)	41	45	45	45	53	53

## Dimensional Data

Model No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
TBF90	8.00	8.00	10.25	9.38	4" & 5"
TBF120	9.50	8.00	11.81	10.75	4" & 5"
TBFS90L	8.00	8.50	10.25	9.38	4" & 5"
TBFR90L	8.00	8.50	10.25	9.38	4" & 5"
TBFS120L	9.50	8.50	11.81	10.75	4" & 5"
TBFR120L	9.50	8.50	11.81	10.75	4" & 5"



### What is HVI?

HVI, also known as the Home Ventilating Institute, is an independent non-profit organization that certifies fan performance characteristics and provides HVAC guidelines for consumers. All AeroFans listed in this brochure are HVI certified.

### What is a Sone?

A Sone is a unit of perceived loudness. The lower the Sone level, the lower the perceived sound. For reference, two (2) Sones are commonly ascribed to the sound level of a common refrigerator.



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