

# CEILING BATHROOM FANS

READY FOR CUSTOMIZATION



CBF  
Series

*Fresh air  
in your house!*



 **VENTS-US**  
www.ventsus.com

 **ETL**  
LISTED US  
Intertek

 **HARDI**  
Sustaining Member

 **HVI**  
2100  
CERTIFIED

 **ENERGY STAR**

**CBF SERIES MAIN FEATURES**



## DC MOTOR TECHNOLOGY

- The CBF DC fan is equipped with a high-performance DC motor with outstanding energy efficiency and built-in overheating protection.
- The CBF fans feature reliable asynchronous dual-speed motors with overheating protection;
- The maintenance-free permanently lubricated motor bearings are engineered for over 40,000 hours of trouble-free operation.

## LED LIGHT TECHNOLOGY

The CBF Light fans are equipped with an energy-efficient LED light:

- Power rating - 10 W
- Colour temperature - 3000 K
- Light flux - 650 lumens



## HUMIDITY SENSOR

If the indoor humidity exceeds the set humidity point adjustable from 50 % up to 90 %, the fan either turns on or goes to the higher speed.

After indoor humidity drops down the fan keeps running for a set turn-off delay time, adjustable from 1 to 90 minutes and the reverts to the initial operation status.

## MOTION SENSOR

In case of activation of the motion sensor the fan turns on or switches to the higher speed.

After no motion is detected more the fan keeps running for a set turn-off delay time, adjustable from 1 to 90 minutes, and the reverts to the initial operation status.





## SPEED SELECT TECHNOLOGY

The fan runs continuously at a pre-set lower level. Once the switch is turned on or a sensor is activated, the fan starts to run with the maximum capacity.

## AIRFLOW ADJUST TECHNOLOGY

The constant air flow technology ensures the necessary CFM across a wide static pressure range.



## SMART CONTROL TECHNOLOGY

The built-in controls allow you to set a fan to the needed CFM level, adjust the delay timer or humidity sensor set point.

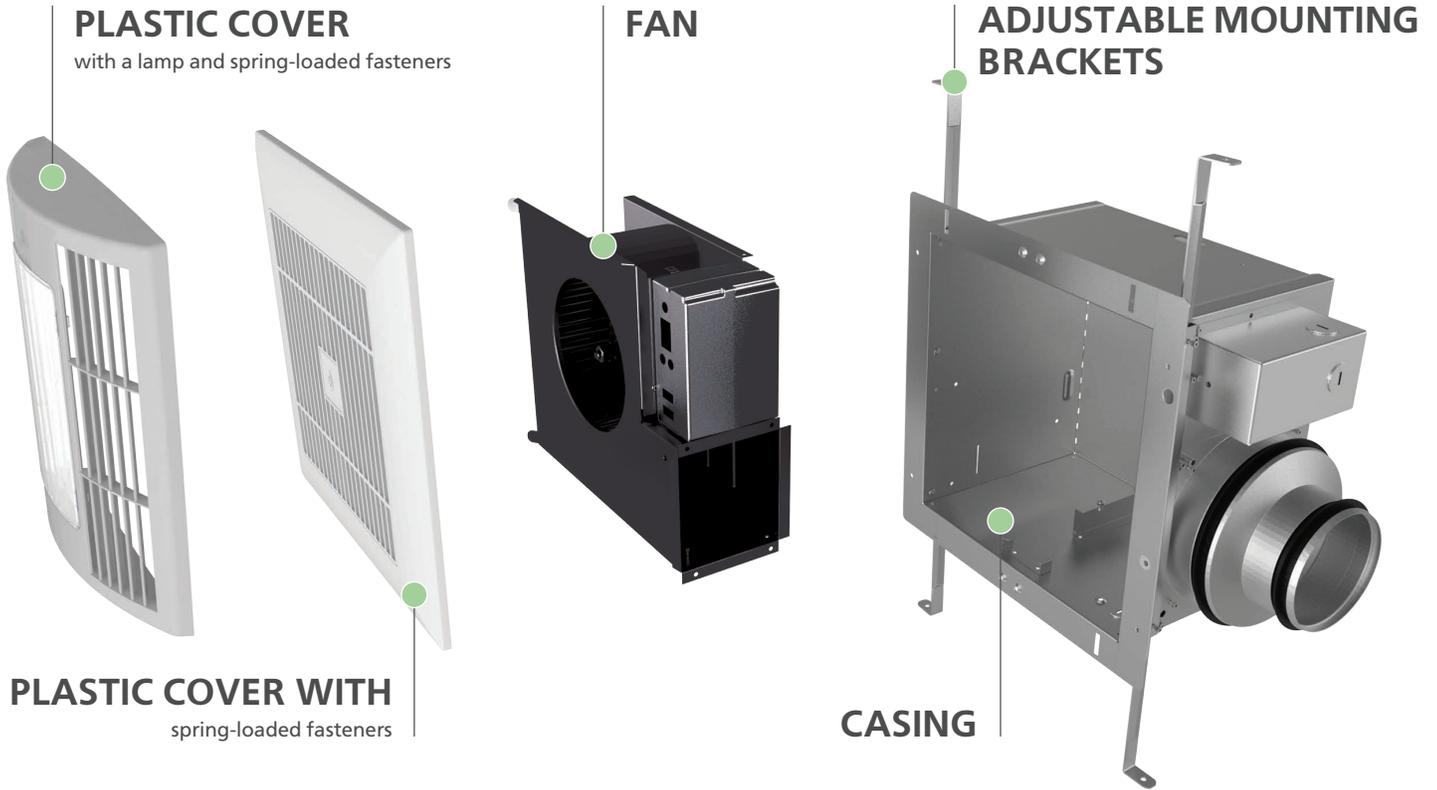
## TIMER

After an external switch, e.g. a light switch is turned on, the fan is turned on or goes to high speed after countdown of a set turn-on delay time, adjustable from 0 to 3 minutes.

After the fan is turned off it keeps running for a set turn-off delay time, adjustable from 1 to 90 minutes and the reverts to the initial operation status.



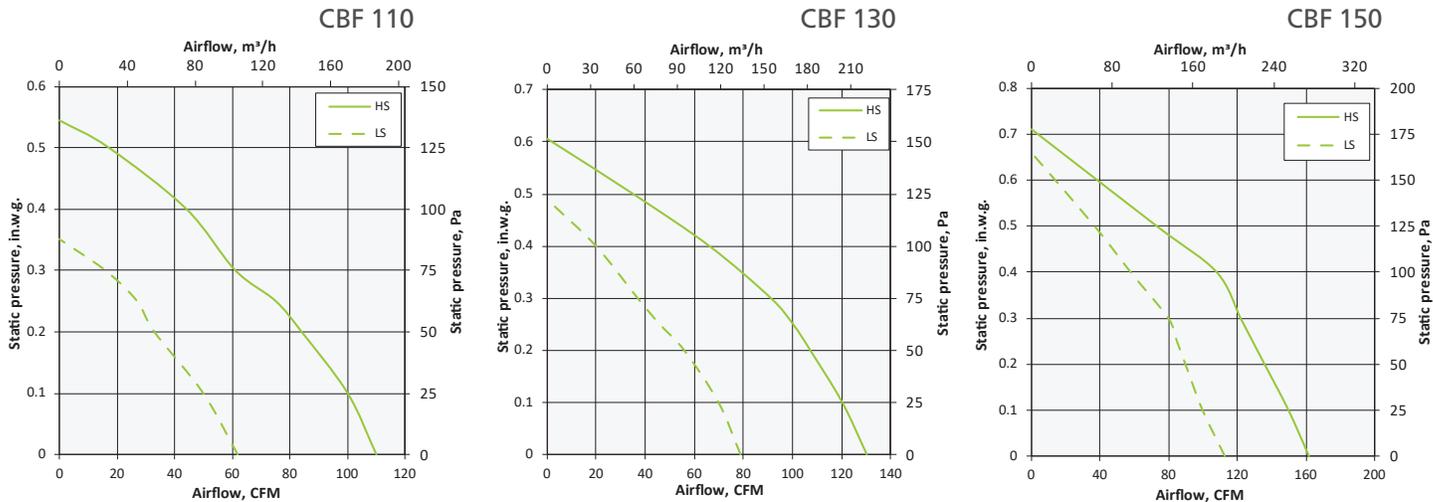
STRUCTURAL DIAGRAM / TECHNICAL DATA /



**AC MOTOR CHARACTERISTIC**

Model	Duct Dia	Speed	Energy Star qualified	Watts*	Amps*	RPM*	Sones*	CFM vs. Static Pressure in.W.G.							Max. Ps	Volts / Hz
								0"	0.1"	0.2"	0.25"	0.3"	0.4"	0.5"		
CBF 110	4" / 6"	HS	V	27	0.23	1036	2.0	110	100	84	75	61	44	17	0.54	120 / 60
		LS		16	0.17	854	0.7	62	50	33	27	16	-	-	0.35	
CBF 130	4" / 6"	HS	-	35	0.3	1121	2.5	130	120	107	100	91	66	35	0.6	120 / 60
		LS		23	0.2	920	1.1	79	70	56	46	37	20	-	0.49	
CBF 150	6"	HS	-	39	0.32	1320	4.0	162	150	136	129	122	108	73	0.71	120 / 60
		LS		23	0.26	1068	2.0	113	100	90	85	80	58	37	0.66	

\* Indicated at 0.1 in.W.G.



**DC MOTOR CHARACTERISTIC**

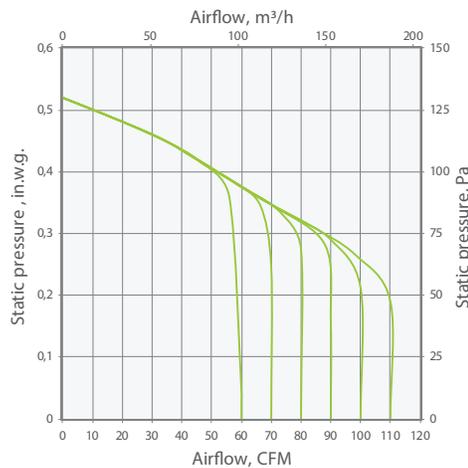
**CBF 110 DC**

Static Pressure [in.W.G.]	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"
Air Volume [CFM]	110	102	101	98	90	90	80	80	70	70	60	58
Noise [Sones]	1.36	-	1.31	-	1.26	-	1.20	-	1.15	-	1.09	-
Power consumption [W]	17	19	15	17	13	16	10	15	8	13	5	9
Energy efficiency [CFM/W]	6.5	5.4	6.7	5.8	6.9	5.6	8.0	5.3	8.8	5.4	12.0	6.4
Speed [rpm]	1000	1200	964	1182	920	1145	880	1100	840	1055	800	1000
Max current [Amps]	0.3											
Power rating [V/Hz]	120 / 60											
Energy Star qualified	V											

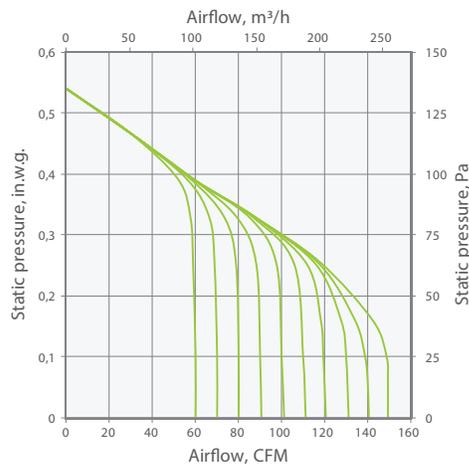
**CBF 150 DC**

Static Pressure [in.W.G.]	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"	0.1"	0.25"
Air Volume [CFM]	150	120	140	118	130	117	120	112	110	106	100	98	90	88	80	79	70	69	60	59
Noise [Sones]	1.78	-	1.72	-	1.67	-	1.36	-	1.32	-	1.28	-	1.23	-	1.18	-	1.14	-	1.09	-
Power consumption [W]	23	19	21	19	20	19	20	19	17	18	14	17	11	16	11	15	11	13	5	9
Energy efficiency [CFM/W]	6.5	6.3	6.7	6.2	6.5	6.2	6.0	5.9	6.5	5.9	7.1	5.8	8.2	5.5	7.3	5.3	6.4	5.3	12.0	6.6
Speed [rpm]	1100	1200	1067	1193	1033	1190	1000	1174	967	1154	933	1128	900	1095	867	1066	833	1033	800	1000
Max current [Amps]	0.4																			
Power rating [V/Hz]	120 / 60																			
Energy Star qualified	V																			

**CBF 110 DC**

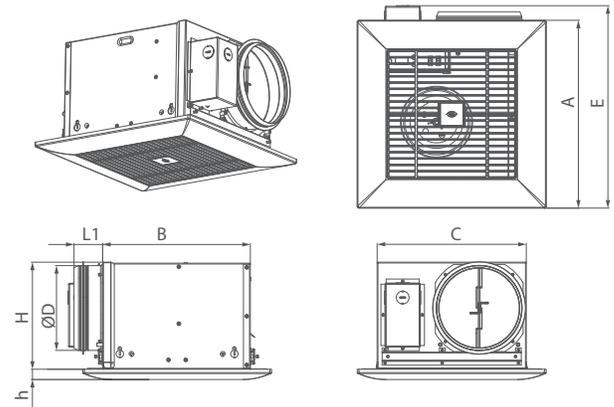
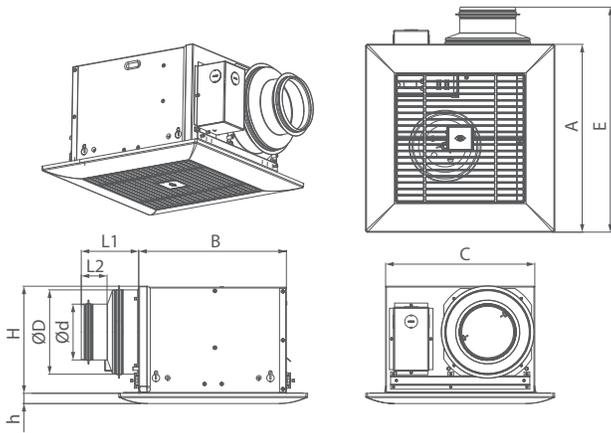
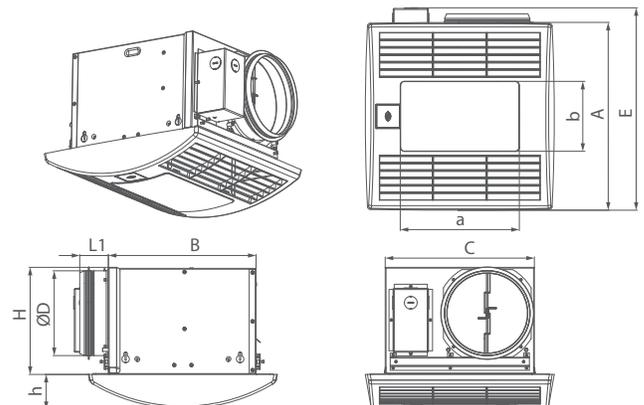
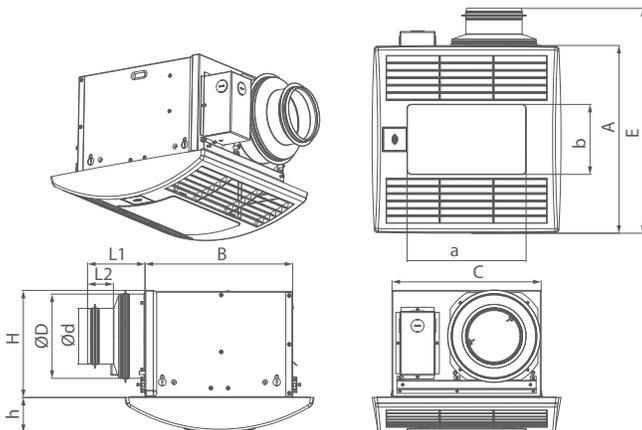


**CBF 150 DC**



**DIMENSIONS**

Model	Dimensions [in]											
	D	d	L1	L2	A	B	C	E	H	h	a	b
CBF 110/130 CBF 110 DC	5 <sup>7</sup> / <sub>8</sub> "	3 <sup>7</sup> / <sub>8</sub> "	4"	1 <sup>3</sup> / <sub>4</sub> "	13"	10 <sup>1</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>4</sub> "	15 <sup>1</sup> / <sub>2</sub> "	7 <sup>3</sup> / <sub>8</sub> "	3 <sup>4</sup> / <sub>4</sub> "	-	-
CBF 150 DC	5 <sup>7</sup> / <sub>8</sub> "	-	2"	-	13"	10 <sup>1</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>4</sub> "	15 <sup>1</sup> / <sub>2</sub> "	7 <sup>3</sup> / <sub>8</sub> "	3 <sup>4</sup> / <sub>4</sub> "	-	-
CBF 110/130 Light CBF 110 DC Light	5 <sup>7</sup> / <sub>8</sub> "	3 <sup>7</sup> / <sub>8</sub> "	4"	1 <sup>3</sup> / <sub>4</sub> "	13"	10 <sup>1</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>4</sub> "	15 <sup>1</sup> / <sub>2</sub> "	7 <sup>3</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>2</sub> "	8 <sup>1</sup> / <sub>4</sub> "	4 <sup>7</sup> / <sub>8</sub> "
CBF 150 DC Light	5 <sup>7</sup> / <sub>8</sub> "	-	2"	-	13"	10 <sup>1</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>4</sub> "	15 <sup>1</sup> / <sub>2</sub> "	7 <sup>3</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>2</sub> "	8 <sup>1</sup> / <sub>4</sub> "	4 <sup>7</sup> / <sub>8</sub> "

**CBF 110/130  
CBF 110 DC**
**CBF 150 DC**

**CBF 110/130 Light  
CBF 110 DC Light**
**CBF 150 DC Light**


FAN SELECTOR

Model	Airflow CFM	Speed Select Technology	DC Motor Technology	Airflow Adjust Technology	LED Light Technology	Smart Control Technology	Timer	Humidity Sensor	Motion sensor
VENTS CBF 110	50   100	•	○	○	○	○	○	○	○
VENTS CBF 130	70   120	•	○	○	○	○	○	○	○
VENTS CBF 150	100   150	•	○	○	○	○	○	○	○
VENTS CBF 110 T	50   100	•	○	○	○	•	•	○	○
VENTS CBF 130 T	70   120	•	○	○	○	•	•	○	○
VENTS CBF 150 T	100   150	•	○	○	○	•	•	○	○
VENTS CBF 110 TH	50   100	•	○	○	○	•	•	•	○
VENTS CBF 130 TH	70   120	•	○	○	○	•	•	•	○
VENTS CBF 150 TH	100   150	•	○	○	○	•	•	•	○
VENTS CBF 110 TP	50   100	•	○	○	○	•	•	○	•
VENTS CBF 130 TP	70   120	•	○	○	○	•	•	○	•
VENTS CBF 150 TP	100   150	•	○	○	○	•	•	○	•
VENTS CBF 110 Light	50   100	•	○	○	•	○	○	○	○
VENTS CBF 130 Light	70   120	•	○	○	•	○	○	○	○
VENTS CBF 150 Light	100   150	•	○	○	•	○	○	○	○
VENTS CBF 110 Light T	50   100	•	○	○	•	•	•	○	○
VENTS CBF 130 Light T	70   120	•	○	○	•	•	•	○	○
VENTS CBF 150 Light T	100   150	•	○	○	•	•	•	○	○
VENTS CBF 110 Light TH	50   100	•	○	○	•	•	•	•	○
VENTS CBF 130 Light TH	70   120	•	○	○	•	•	•	•	○
VENTS CBF 150 Light TH	100   150	•	○	○	•	•	•	•	○
VENTS CBF 110 Light TP	50   100	•	○	○	•	•	•	○	•
VENTS CBF 130 Light TP	70   120	•	○	○	•	•	•	○	•
VENTS CBF 150 Light TP	100   150	•	○	○	•	•	•	○	•
VENTS CBF 110 DC	60 to 110	○	•	•	○	•	•	○	○
VENTS CBF 150 DC	60 to 150	○	•	•	○	•	•	○	○
VENTS CBF 110 DC TH	60 to 110	○	•	•	○	•	•	•	○
VENTS CBF 150 DC TH	60 to 150	○	•	•	○	•	•	•	○
VENTS CBF 110 DC TP	60 to 110	○	•	•	○	•	•	○	•
VENTS CBF 150 DC TP	60 to 150	○	•	•	○	•	•	○	•
VENTS CBF 110 DC Light	60 to 110	○	•	•	•	•	•	○	○
VENTS CBF 150 DC Light	60 to 150	○	•	•	•	•	•	○	○
VENTS CBF 110 DC Light TH	60 to 110	○	•	•	•	•	•	•	○
VENTS CBF 150 DC Light TH	60 to 150	○	•	•	•	•	•	•	○
VENTS CBF 110 DC Light TP	60 to 110	○	•	•	•	•	•	○	•
VENTS CBF 150 DC Light TP	60 to 150	○	•	•	•	•	•	○	•

• - included ; ○ - not included.

# ACCESSORIES

Name	Image	Description	CBF 110 DC	CBF 150 DC	CBF 110 CBF 130	CBF 150	CBF 110 T CBF 130 T	CBF 150 T
MVM 102 bVs N		Ø100 mm stainless steel outer ventilation hood	●	○	●	○	●	○
MVM 152 bVs N		Ø150 mm stainless steel outer ventilation hood	●	●	●	●	●	●
MV 102 V ASA		Ø100 mm ASA plastic outer ventilation hood	●	○	●	○	●	○
MV 152 V ASA		Ø150 mm ASA plastic outer ventilation hood	●	●	●	●	●	●
CB 100		Ø90-110 mm quick detachable stainless steel clamp	●	○	●	○	●	○
CB 150		Ø140-160 mm quick detachable stainless steel clamp	●	●	●	●	●	●
CH-PLC-10WG23*		10 W LED lamp with color temperature 3000 K	●	●	●	●	●	●

\* Only for the Light modification

## Contacts

Tel: 888-640-0925  
 513-348-3853  
 Fax: 513-268-4597  
 Sales@ventsus.com  
 VentsUS.com  
 11013 Kenwood Road, Cincinnati, Ohio 45242

VENTS-US reserves the rights to modify any of its products features, designs, components, and specifications at any time and without notice to maintain the development and quality of manufactured goods.



Flow Chart Graphs can be viewed at [www.vents-us.com/cat/726/](http://www.vents-us.com/cat/726/)

2020-04