



BUHIN CORPORATION

A CERTIFIED MBE

CONFINED SPACE VENTILATION



DESIGNING THE FUTURE

At Buhin, we understand that tough jobs require tough fans. That's why we designed our fans to perform dependably under the most extreme conditions.

Buhin Corporation, contract manufacturer for nearly a decade, has been at the forefront in the design and manufacture of specialized industrial ventilation equipment.

Since the fall of 2012, Buhin Corporation no longer contract manufactures for any other manufacturer or distributor of industrial ventilators, as we now produce "OUR" own line of ventilators.

Utilizing years of experience, we've redesigned and improved "OUR" ventilators. These improvements have elevated Buhin Corporation to a recognized industry leader. "OUR" fans are powerful, portable, lightweight, easy to maintain and most importantly - will help you provide a safe working environment.

We are proud to present to you "OUR" line of ventilators. The future of ventilation is here and it's brought to you by Buhin.

It's all in the design!

Dual wall, lightweight, polyethylene shell allows the exterior wall to absorb external damage without disturbing internal mechanisms or airflow.



Larger switch plate allows for easier maintenance.

Our products are ETL listed, CSA, UL 507, and CE compliant.



MADE IN THE USA

One piece heavy duty injection molded duct ring-grill. By combining two parts into one, both labor and parts costs are minimized. Buhin's improved design also eliminates the need to install bolts, washers, and well nuts at difficult 90 degree angles.



Custom, totally enclosed, continuous duty motors rated at 100,000 plus hours.



Interlocking ribs allow units to be stacked vertically, saving valuable storage and floor space. Units can also run stacked up to three high allowing for much greater capacity while utilizing the same footprint.



12" VELOCITY

Industrial Ventilator

The Next Generation.

Ideal for use in confined space areas that require the toughest ventilator around, the newly designed Velocity will handle your most demanding industrial needs.

Regardless of your industry or application (shipyard, water restoration, manufacturing, underground utility work, or tank purging), Velocity will outperform similar ventilators in the industry.

Velocity Features:

- Weighs only 32 lbs (15 kgs).
- CFM rating of 2518 (72 m³/min).
- Stackable (increases capacity, reduces storage space).
- Connect up to 125' (38 m) of straight duct.



MADE IN THE USA

DIMENSIONS

Fan Type	Axial Blower/Extractor
Size (diameter)	12" (305 mm)
Weight	32 lbs (15 kg)
Height	21" (533 mm)
Length	19" (483 mm)
Width	15" (381 mm)



FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY

MOTOR SPECIFICATIONS

Voltage	AC 115V	AC 230V
Phase	Single	Single
Electric Motor	1 hp (.75 kW)	1 hp (.75 kW)
Frequency	50/60 Hz	50 Hz
Current (amps)	8.0/5.7	4.2
R.P.M.	2800/3300	2850
Max. S.P.	3"	2.5" (68 mm/Aq)

AIR FLOW RATES

	CFM	m ³ /min.	CFM	m ³ /min.
Free Air	2518	72	2443	70



8" WHIRL

Light Industrial & Utility Ventilator

The Little Giant.

Ideal for areas such as utility vaults, sewers, or just simply smaller confined spaces, Whirl delivers consistent airflow thus maintaining a safe working environment.

Whirl's compact design delivers just the right amount of airflow and is ideally suited for light industrial applications.

Whirl Features:

- Weighs only 16 lbs (7 kg).
- CFM rating of 615 (18 m³/min).
- Stackable (increases capacity, reduce storage space).
- Connect up to 50 feet (15 m) of straight duct.

DIMENSIONS

Fan Type	Axial Blower/Extractor
Size	8" diameter (203 mm)
Weight	16 lbs (7 kg)
Height	15" (381 mm)
Length	14" (356 mm)
Width	10" (254 mm)

MOTOR SPECIFICATIONS

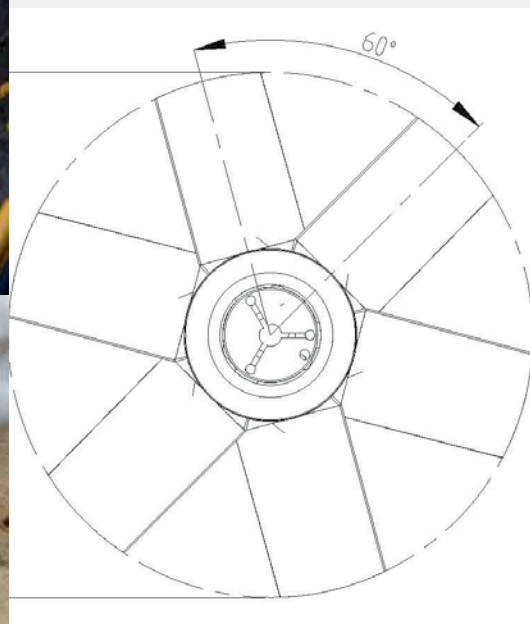
Voltage	AC 115V
Phase	Single
Frequency	50/60 Hz
Electric Motor	1/3 hp
Current (amps)	2.2
R.P.M.	3450
Max. S.P.	0.8"

AIR FLOW RATES

	CFM	m ³ /min.
Free Air	615	18



FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY



16" STORM AIR MOVER

Structural Drying & High Capacity Ventilator

High volume-low amp draw!

NON-DUCTABLE

Perfect for restoration, structural drying and air movement, Storm Air Mover draws only 2.5 amps. Run up to 6 fans on a single 15 amp circuit. This unit is designed to provide high volume airflow at a relatively low static pressure. Storm Air Movers therefore, are not designed for use with duct.

Storm Features:

- Draws only 2.5 amps.
- Run up to 6 fans on a single 15 amp circuit.
- Interlocking ribs for stacking vertically.
- Dual wall, high-density polyethylene shell.

DIMENSIONS

Fan Type	Air Mover
Size	16" diameter (407 mm)
Weight	34 lbs (16 kg)
Height	22" (559 mm)
Length	14" (356 mm)
Width	16" (407 mm)

MOTOR SPECIFICATIONS

Voltage	AC 115V
Phase	Single
Frequency	50/60 Hz
Electric Motor	1/4 hp
Current (amps)	2.5
R.P.M.	1450
Max. S.P.	0.6"

AIR FLOW RATES

	CFM	m ³ /min.
Free Air	2260	64



FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY



16" STORM PLUS

Structural Drying & High Capacity Ventilator

Maximum airflow for hard to reach areas.

DUCTABLE!

The Storm Plus utilizes a full 1 hp motor thus creating a much higher static pressure. This unit is designed to move large volumes of air through ducting for those hard to reach areas such as attics or crawl spaces.

Storm Plus Features:

- Full 1 hp motor.
- Ductable.
- Dual wall, high-density polyethylene shell.

DIMENSIONS

Fan Type	Blower/Extractor
Size	16" diameter (407 mm)
Weight	40 lbs (18 kg)
Height	22" (559 mm)
Length	20" (508 mm)
Width	16" (407 mm)

MOTOR SPECIFICATIONS

Voltage	AC 115V
Phase	Single
Frequency	50/60 Hz
Electric Motor	1 hp
Current (amps)	9
R.P.M.	3450
Max. S.P.	1.6"

AIR FLOW RATES

	CFM	m ³ /min.
Free Air	2850	81



FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY



20" CHINOOK

High Capacity Ventilator

Fasten your seat belt.

At only 121 lbs, this 20" unit outperforms ventilators many times its size. Chinook's powerful 5 hp motor generates both positive and negative airflow at a maximum capacity of 9,906 CFM. If you have a larger application which requires extreme performance, consider Chinook.

Chinook Features:

- CFM rating of 9,906 (281 m³/min).
- Weighs only 121 lbs (55 kg).
- Two built-in handles.
- Powerful 5 hp electric motor.

DIMENSIONS

Fan Type	Axial Blower/Extractor
Size	20" diameter (520 mm)
Weight	121 lbs (55 kg)
Height	28" (712 mm)
Length	28" (712 mm)
Width	26" (661 mm)

MOTOR SPECIFICATIONS

Voltage	AC 220/440V
Phase	Three
Frequency	50/60 Hz
Electric Motor	5 hp
Current (amps)	(220V) 12.8 (440V) 6.4
R.P.M.	3450
Max. S.P.	6.1"

AIR FLOW RATES

	CFM	m ³ /min.
Free Air	9,906	281



MADE IN THE USA



FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY



12" VELOCITY-PN

Pneumatic Industrial Ventilator

Safety & Dependability.

Buhin's intrinsically safe, pneumatically powered Velocity-PN is designed for use in confined space areas where the elimination of dangerous sparking is critical. Sharing performance characteristics similar to the Velocity (electric powered unit), Velocity-PN gives you the additional assurance of safety in explosive type atmospheres. Velocity-PN utilizes a totally enclosed pneumatically driven motor that can generate airflow rates up to 2000 CFM.

Our unique design expels the compressed air (used to power the motor) outside the ducted airstream thus eliminating the damp-oily smell generally associated with compressed air.

For a complete intrinsically safe system, use Velocity-PN with our static conductive hose (part #BC1225-SC) and aluminum coupler (part # 12412-A). **For use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III hazardous locations. Before use, please confirm the Velocity-PN is suitable for your application via your safety/job site manager.**

Velocity-PN Features:

- Weighs only 26 lbs (12 kgs).
- CFM rating of 1912 (55 m³/min).
- Stackable (increases capacity, reduces storage space).
- Connect up to 125' (38m) of duct.

DIMENSIONS

Fan Type	Axial Blower/Extractor
Size (diameter)	12" (305 mm)
Weight	26 lbs (12 kg)
Height	21" (533 mm)
Length	19" (483 mm)
Width	15" (381 mm)

MOTOR SPECIFICATIONS

Air Consumption	38 CFM
Inlet Pressure	100 PSI
Motor	1.5 hp
R.P.M.	3000

AIR FLOW RATES

	CFM	m ³ /min.
Free Air	1912	55



MADE IN THE USA

INTRINSICALLY SAFE



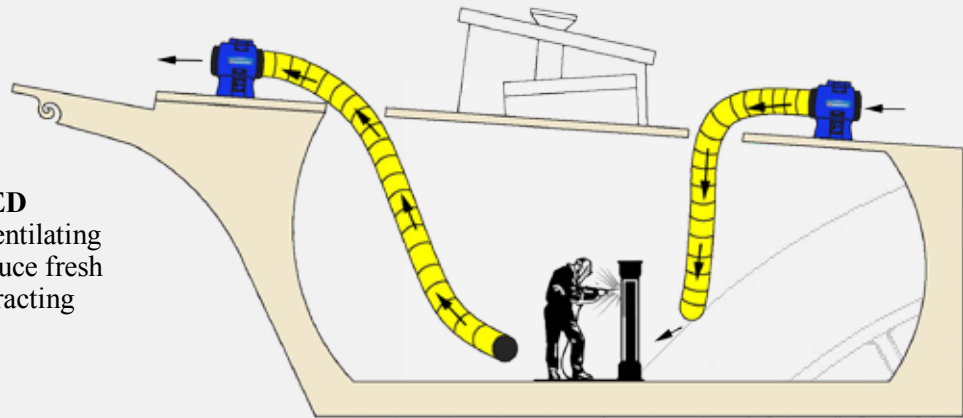
BC1225-SC



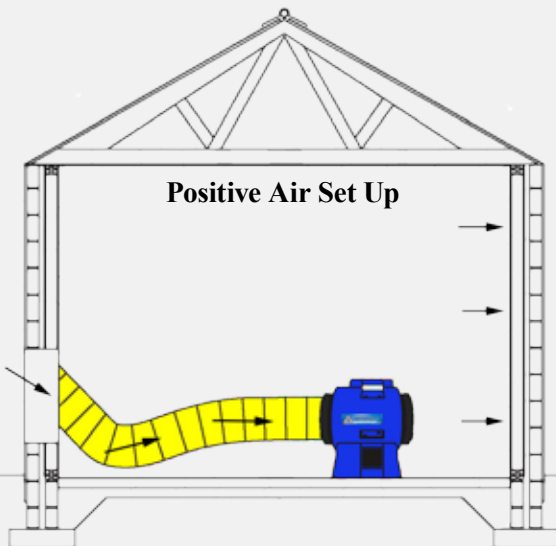
VENTILATOR SET UP

PURGING A CONFINED SPACE:

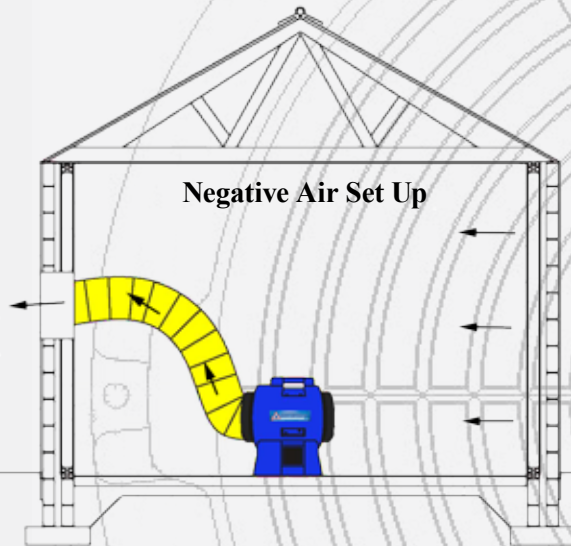
It's best when ventilating a confined space to introduce fresh air at one point, while extracting the stale air at another.



Positive Air Set Up

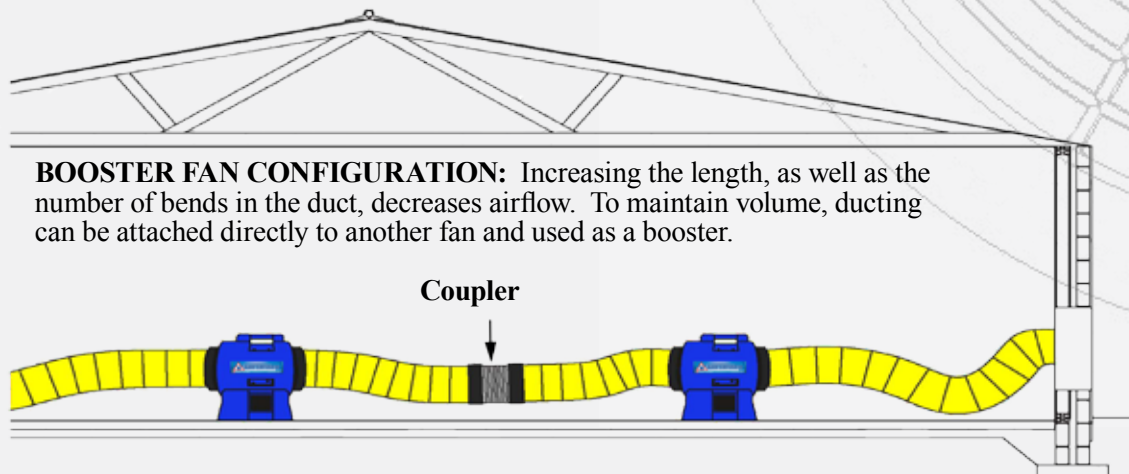


Negative Air Set Up



POSITIVE vs. NEGATIVE AIRFLOW SET UP: Ventilators can be used for both positive and negative airflow set ups. In a positive pressure set up, the ventilator takes in outside air and positively pressurizes the indoor space forcing the indoor air to escape through crevasses. In a negative pressure set up, the ventilator blows indoor air to the outside and replaces the indoor air with makeup air from the outside through crevasses.

BOOSTER FAN CONFIGURATION: Increasing the length, as well as the number of bends in the duct, decreases airflow. To maintain volume, ducting can be attached directly to another fan and used as a booster.



ACCESSORIES

Buhin offers a full line of accessories for all your ventilation needs.

DUCT WITH QUICK CONNECT

Available in 15' and 25' lengths for each model, our ducting is made of flexible, light duty vinyl woven polyester. Each duct easily expands and retracts and is designed to handle large volumes of air at relatively low pressure. Buhin's ducting is flame-retardant and connects easily to the ventilators for both positive and/or negative airflow.

MODEL	DESCRIPTION
BC0815-C	8" x 15' Duct with Quick Connect
BC0825-C	8" x 25' Duct with Quick Connect
BC1215-C	12" x 15' Duct with Quick Connect
BC1225-C	12" x 25' Duct with Quick Connect
BC1615-C	16" x 15' Duct with Quick Connect
BC1625-C	16" x 25' Duct with Quick Connect
BC2025-C	20" x 25' Duct with Quick Connect
BC1225-SC	12" x 25' Static Conductive Duct

Temperature Range -30°F 150°F



DUCT-IN-A-BAG

Designed to collapse into its own "attached" carrying bag, this 25' duct hose does not require any additional storage or containment accessories.

MODEL	DESCRIPTION
BC-DUCTBAG-1225	12" x 25' Duct in a Bag

Temperature Range -30°F 150°F



TURBO - CARPET DRYER

The Turbo is a lightweight, durable and powerful airmover. The units are stackable for easy storage and transport.

Turbo Features: 3 Speed, stackable, 3 operating positions (0°, 45°, 90°), Polyethylene housing, Corrosion Resistant, 20' power cord.



DIMENSIONS

Fan Type	Air Mover
Weight	24 lbs (11 kg)
Height	17" (432 mm)
Length	19" (483 mm)
Width	16" (407 mm)

MOTOR SPECIFICATIONS

Voltage	AC 115V
Phase	Single
Frequency	60 Hz
Electric Motor	1/3 hp
Current (amps)	2.0/2.5/2.9
R.P.M.	1050



FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY

ACCESSORIES

DUCT CARRIERS

Manufactured of the same lightweight polyethylene as our ventilators, these durable duct carriers are designed to each hold up to 25' of flexible ducting. Reducing exposure to the elements significantly increases the life of the ducting.

MODEL	DESCRIPTION
BCDP0825	Holds 8" diameter Duct
BCDP1225	Holds 12" diameter Duct



REDUCERS

Reducers make it possible to connect various diameters of ducting together. Buhin's galvanized steel reducer can be used on both the exhaust and extraction sides of the blower, while the fabric reducer is limited to the exhaust side.

MODEL	DESCRIPTION
BC-1-R	12"– 8" Concentric Steel Reducer (includes 12" × 3' duct) For use on both exhaust or extraction side of blower.
BC9128	12"– 8" Fabric Reducer For use on exhaust side of blower only.

Note: When creating a 12" to 8" reduction, static pressure and CFM will vary accordingly.



BC-1-R Concentric
Steel Reducer

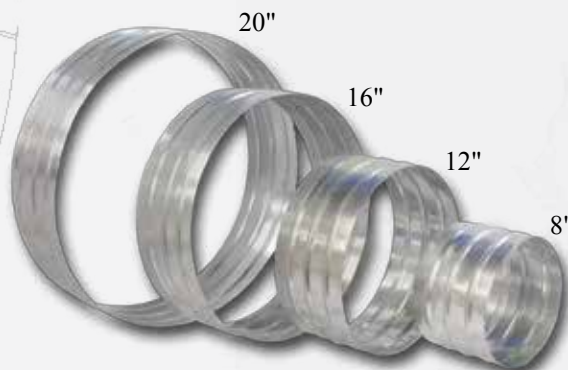


BC9128 Fabric Reducer

DUCT COUPLERS

When connecting one piece of duct to the next, use these galvanized corrosion resistant couplers to achieve any length desired.

MODEL	DESCRIPTION
8412	8" Steel Coupler
12412	12" Steel Coupler
16412	16" Steel Coupler
20412	20" Steel Coupler
12412-A	12" Aluminum Coupler



DISPOSABLE DUCT

This 4 mil (poly) disposable ducting is available in 500' rolls and is for use on the exhaust side of the blower only.

MODEL	DESCRIPTION
BC-LAY-FLAT	500' Disposable Poly 4 mil
BC-FLAY-FLAT	500' Disposable Poly 4 mil (Flame Retardant)





A CERTIFIED MBE

There is only one.

Buhin Corporation was founded in 1999 to provide quality services to manufacturing companies in accordance with our company motto: "Total Customer Satisfaction". In 2003, Buhin Corporation became the exclusive contract manufacturer for a major U.S. supplier of confined space ventilation equipment. The partnership remained intact until the fall of 2012 when the supplier was acquired by an entity. Buhin, therefore, is no longer associated with any "OTHER" industrial ventilator manufacturer or distributor.

Having manufactured ventilators for nearly a decade, Buhin Corporation utilized its experience and expertise to design and improve "OUR OWN LINE" of industrial ventilators which we showcase here. Each fan is designed to carefully meet the unique needs of your industry – whether it's construction, utility, water restoration or marine.

Buhin Corporation values our clients and promises to uphold our corporate motto of "Total Customer Satisfaction" from the first contact you have with us to the actual building and shipping of your fan.

In 2004, Buhin Corporation was certified a Minority Business Enterprise (MBE) by the Chicago Minority Supplier Development Council (CMSDC). A minority-owned business is a for-profit enterprise, regardless of size, physically located in the United States or its trust territories, which is 51% owned, operated and controlled by minority group members. Buhin Corporation obtained this certification to further meet our client's needs.



Warranty

Buhin Corporation's portable ventilators come with a warranty that surpasses any guarantee in the industry. Buhin Corporation promises to repair or replace any part of the ventilator unit that proves to be defective in workmanship or materials for a period of two years from the date of purchase.

DISTRIBUTED BY:



A CERTIFIED MBE

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