

TURBO IN-LINE BILGE BLOWERS

INSTALLATION INSTRUCTIONS

09/01

69465 Rev. A

SAVE THESE INSTRUCTIONS

Model No.	Specification Voltage	CFM Open Flow	CFM In System	Amp Draw	Fuse Size
Turbo 3000	13.6	145	100	3.1	4-amp
Turbo 4000	13.6	230	125	2.9	5-amp
Turbo 4000 (24V)	27.2	230	125	2.0	3-amp

*In system = 3 ft. of duct with one 90° bend, a collector box and louvered vent on discharge side of blower.

Blower models 1733, 1734, 1743, 1749 and 1751 (24V, 4") are water resistant. Models 1731, 1741 and 1747 are not water-resistant. All Turbo blowers are ignition protected.

Connect to 12-volt D.C. systems only (24 volt for Model 1751).

⚠ WARNING:

To prevent personal injury, always disconnect electrical connection when installing or servicing this product.

Always use a fuse with amperage rating specified for the blower model.

Before starting engines, operate blower a minimum of four minutes, then check engine compartment for fume odor. Operate blowers when motoring below 5 miles per hour.

Do not operate in area of high heat over 160° F (71°C).

Do not operate while refueling.

MOUNTING INSTRUCTIONS

- Select a flat mounting surface high above the bilge, clear of moisture from spray or deck wash.
- Position blower with the flow arrow pointing toward exhaust vent. Also, mount blower at an angle to prevent moisture build-up. See Figure 1.
- Mark mounting holes. Drill holes for #10 screws and secure unit in place using stainless steel screws. Do not over tighten screws.
- Twist duct hose over exhaust and intake openings on blower. Ensure the retainer tabs engage corrugated rings of hose.
- Install tie strap or hose clamp on the hose. Position the strap or clamp around blower housing, beyond the tabs. Tighten the strap. Do not overtighten straps or clamps.
- Route intake end of hose directly to the lowest point in the bilge, with as few bends as possible. The hose pick-up must not be low enough to become submerged in bilge water. See Figure 1.
- Route exhaust end of hose directly to vent or vent collector box, with as few bends as possible. Connect hose securely to vent. See Figure 1.

Figure 1

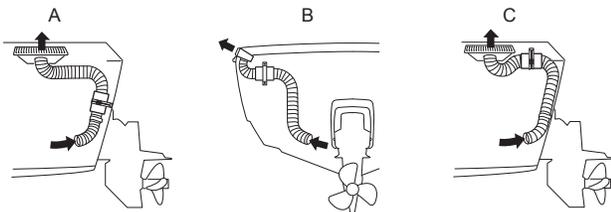


Figure 1

- A. Vertical Transom Mount
- B. Horizontal Transom Mount
- C. Deck Mount

Figure 1

- A. Montage de tableau vertical
- B. Montage de tableau horizontal
- C. Montage sur le pont

Figura 1

- A. Montaje de bovedilla vertical
- B. Montaje de bovedilla horizontal
- C. Montaje de la cubierta

Abbildung 1

- A. Senkrechte Montage am Heckspiegel
- B. Horizontale Montage am Heckspiegel
- C. Montage an Deck

Figur 1

- A. vertikalt akterspegelfäste
- B. horisontellt akterspegelfäste
- C. däcksfäste

WIRING INSTRUCTIONS

Fuse holder must be installed within 72" (183cm) of the battery (+) terminal. See table for proper fuse size. Connect ON/OFF switch into the circuit and mount it in the dash control panel.

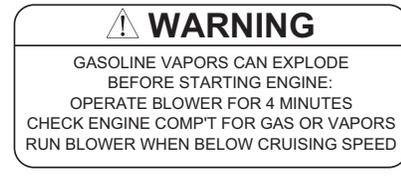


Figure 2

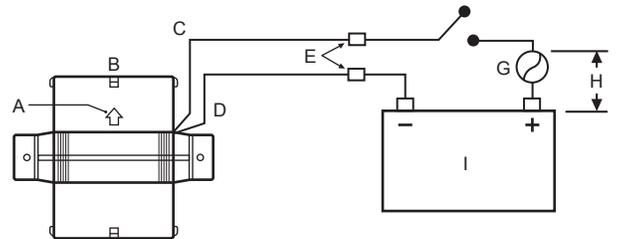


Figure 2

- A. Flow Arrow
- B. Bilge Blower
- C. Yellow
- D. Black
- E. Wire Connectors If Required
- F. Switch
- G. Fuse
- H. 72" (183 cm) max
- I. Battery

Figure 2

- A. Flèche de débit
- B. Ventilateur de cale
- C. Jaune
- D. Noir
- E. Connecteurs de fil si requis
- F. Interrupteur
- G. Fusible
- H. 183 cm maximum
- I. Batterie

Figura 2

- A. Flecha de flujo
- B. Soplador de sentina
- C. Amarillo
- D. Negro
- E. Conectores del cable si se requieren
- F. Interruptor
- G. Fusible
- H. 1,8 m como máx.
- I. Batería

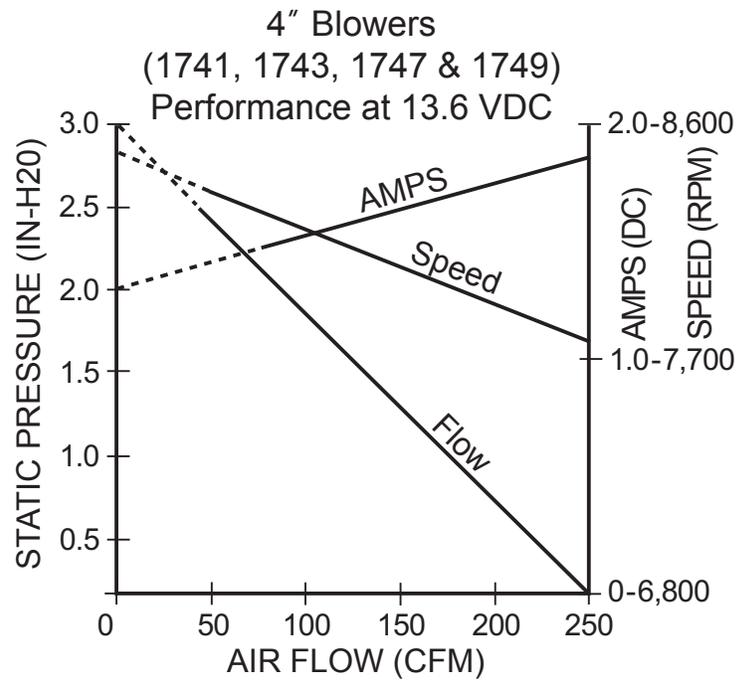
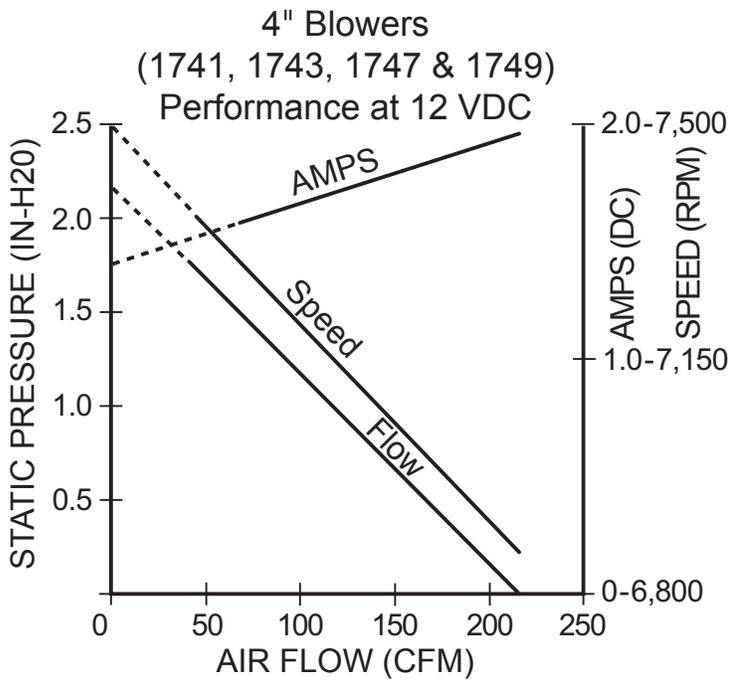
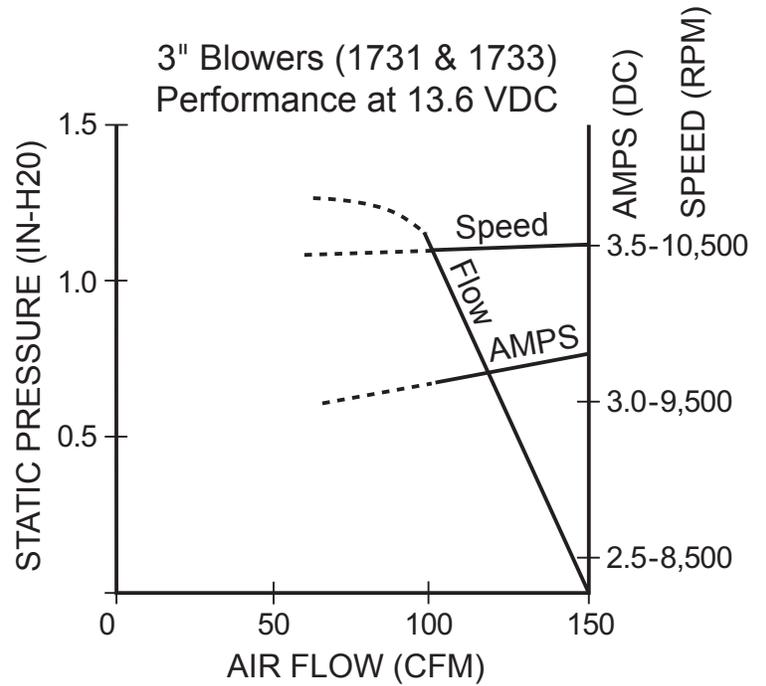
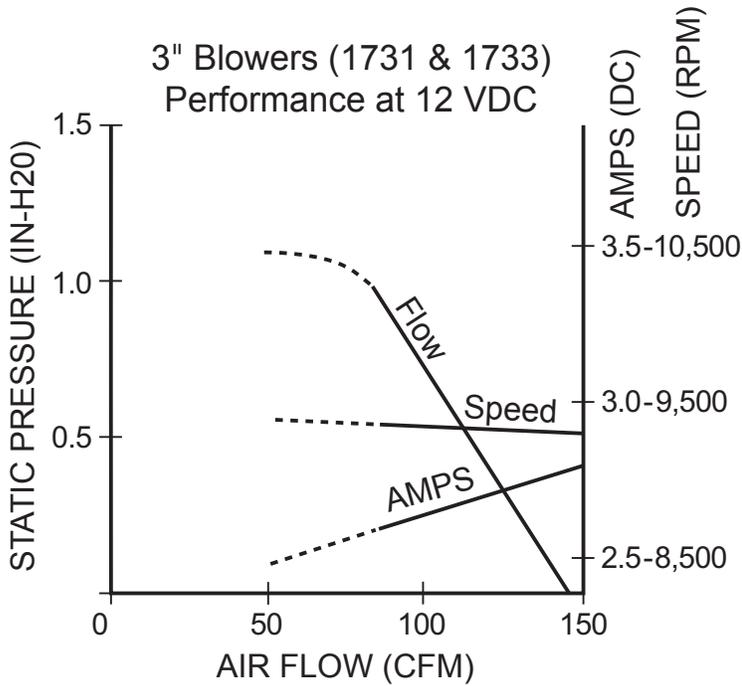
Abbildung 2

- A. Durchflusspfeil
- B. Bilgenlüfter
- C. Gelb
- D. Schwarz
- E. Drahtverbinder, falls erforderlich
- F. Schalter
- G. Sicherung
- H. Maximal 183 cm (72 Zoll)
- I. Akku

Figur 2

- A. strömningspil
- B. slagvattensfläkt
- C. gul
- D. svart
- E. kabelkontakter vid behov
- F. strömbrytare
- G. säkring
- H. maximalt 72 tum (183 cm)
- I. batteri

ABYC H2/ISO 9097 MARINE BLOWER PERFORMANCE SPECIFICATIONS





Turbo In-Line 24-Volt D.C. Bilge Blowers

Installation Instructions

Attwood marine hardware, navigational lighting, bilge pumps, and other marine accessories are specified more than any other brand by America's best-known boat manufacturers as original equipment. Look to Attwood for quality replacement parts and marine accessories.

SAVE THESE INSTRUCTIONS

Form Number 69284 Rev. B

03-10

FEATURES

Turbo In-Line Bilge Blowers provide ventilation for engine compartments, bilges, and marine head closets. Their unique fan blade is computer-designed using the latest in aerospace technology.

The blowers' compact in-line design allows for installation in confined areas under the deck or on the transom; their built-in mounting feet allow vertical or horizontal installation. Tabs on the hose flanges grip the ventilation hose and prevent hose clamps from sliding off after installation.

- 1745 model is a 24-Volt D.C., 4" (102mm) blower with a 1,000 hour rating. It is rated for 230 CFM (6.5 cubic meters/min.) at open flow at 27.5-Volts. Current Draw = 2.5-Amps.

Blower model 1745 is water resistant. All Turbo Blowers are ignition protected and meet ABYC and Coast Guard Safety Standards.

Connect to 24-volt D.C. systems only.



WARNING:

To prevent personal injury, always disconnect electrical connection when installing or servicing this product.

Always use a fuse with amperage rating specified for the blower model. Failure to do so could result in serious personal injury or fire hazards.

Before starting engines, operate blower a minimum of four minutes, then check engine compartment for fume odor.

Do not operate in area of high heat over 160° F (71°C).

Do not operate while refueling.

REQUIRED FOR INSTALLATION

- Drill and suitable drill bit
- Screwdriver
- Two #10 x 1/2" (13mm) stainless steel pan head screws
- Corrugated vinyl duct hose, 4" (102mm) I.D. hose
- Two tie straps or hose clamps for 4" (102mm) I.D. hose
- Fuse—4-amp for 4" (102mm) blower,
- Suitable in-line fuse holder
- 5-amp ON/OFF switch
- 16-gauge wire
- Crimp-on wire connectors for 16-gauge wire

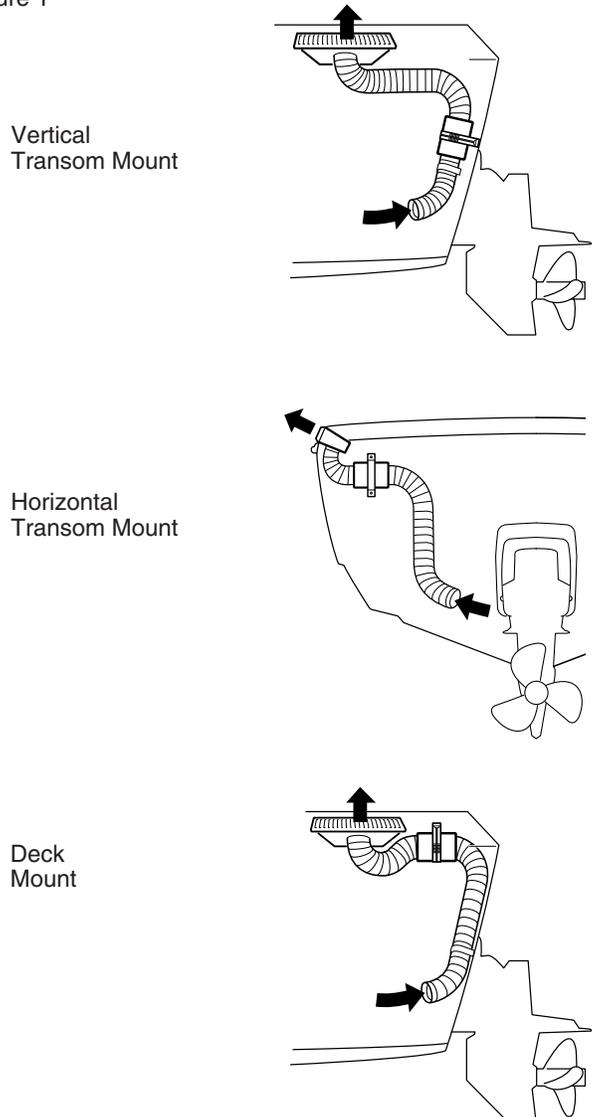
MOUNTING INSTRUCTIONS

Reminder:

To prevent personal injury, disconnect one of the main battery leads prior to installing the blower.

1. Select a flat mounting surface high above the bilge, on the transom or under the deck. Blower should be mounted high and dry, clear of moisture from spray or deck wash.
2. Position blower with fan nose cone pointing toward exhaust vent. Also, mount blower at an angle to prevent moisture build-up. See Figure 1
3. Mark mounting holes using blower mounting feet as a template. Drill holes for #10 screws.
4. Secure unit in place using stainless steel screws. *Do not over tighten screws*, as this will crack the mounting feet.
5. Twist duct hose over exhaust and intake openings on blower. Ensure the retainer tabs engage corrugated rings of hose.
6. Install tie strap or hose clamp on the hose. Position the strap or clamp around blower housing, beyond the tabs. Tighten the strap. When using a hose clamp, tighten until snug — 8 in/lb. (.5N·m) max. *Do not overtighten straps or clamps.*
7. Route intake end of hose directly to the lowest point in the bilge, with as few bends as possible. The hose pick-up must be below the top of the engine stringers, but not low enough to become submerged in normal bilge water accumulation. See Figure 1
8. Route exhaust end of hose directly to vent or vent collector box, with as few bends as possible. Connect hose securely to vent. See Figure 1

Figure 1



WIRING INSTRUCTIONS

Reminder:

In most boats with powered ventilation systems, wiring has been installed in accordance with industry standards. The yellow wire is the positive side of the power source, and the black wire is the negative side.

1. Using the wire leads provided (and additional 16-gauge wire if necessary), wire unit according to Figure 2.

In a location that is easily accessible for changing fuses, splice a suitable fuse holder into the lead from the positive (+) battery terminal. Fuse holder must be installed within 72" (183cm) of the battery(+) terminal. Use 4-amp fuse for 4" (102mm) blower. See Figure 2.

Connect ON/OFF switch into the circuit and mount it in the dash control panel.

2. Adhere the warning label in a highly visible position at the helm, as close as possible to the ignition switch.

Figure 2

