



**SHURflo**  
Pentair Water

## YELLOW TAIL™ 277 SERIES



### In-Line Bilge Blower Installation Instructions



**WARNING**

Read and understand instructions thoroughly before proceeding with installation. Improper installation may result in loss of adequate ventilation in engine compartment. To prevent personal injury, always disconnect one of the main battery leads when installing or servicing blowers.



Always use a fuse with amps rating specified on blower label. Failure to do so may result in serious personal injury or fire hazards.

**FEATURES:**

- SHURflo In-Line Blowers provide ventilation for engine compartments, bilges, galleys and head closets.
- Designed with wider baseplate and oval slates for ease of installation.
- Heavy duty shaft seal for moisture protection.
- Waterproof boot over motor to protect from water intrusion.
- Efficient high volume air flow and low current draw.
- Housing material ABS, fan material NYLON for corrosion resistance.
- Longer barb for ease of duct connection.
- ISO 9097 Marine Compliant.
- NMMA T type Accepted.
- Meets ISO 8846 Marine and USCG Regulation 183.410 (Ignition Protected).
- Wire length 12" tinned wire.
- Wire thickness 16 AWG.



**REQUIRED FOR INSTALLATION:**

- Drill and suitable drill bit
- Screwdriver
- Wire cutter / stripper
- Use flexible Blower Ducting for appropriate blower model (3" or 4")
- Cable tie wraps (size depends on blower model)
- Two #10 [13 mm] stainless steel screws
- Fuse holder and fuse size depending on blower model
- Marine rated ON/OFF switch 5 amp for 3 Inch [76 mm], 10 amp for 4 inch [100 mm]
- Crimp on wire connectors for 16 gauge wire



**WARNING**

**BEFORE STARTING ENGINE:**

- Check engine compartment for gasoline or vapors
- Operate blower for 4 minutes and re-check engine for gasoline vapors
- Do not operate while refueling
- Run blower below cruising speed



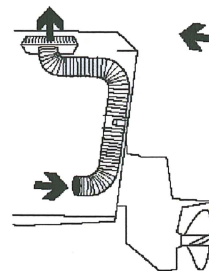
**INSTALLATION:**

INSTALLATION MUST MEET APPLICABLE SECTIONS OF TITLE 33, PART 183, SUB-PART K, USCG VENTILLATION REGULATION. To prevent personal injury, disconnect one of the main battery leads before installing blower. The SHURflo In-Line blower is designed for easy installation. It may be positioned anywhere along the length of ducting leading to the area being ventilated. The blower may be secured to any solid, flat mounting surface and oriented in any direction. For maximum motor protection, it is best to mount the blower where it will not be exposed to moisture from spray or deck wash and slightly inclined so any moisture will drain back to the lower end of the duct run.

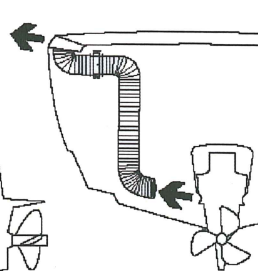
**MOUNTING INSTRUCTIONS:**

1. Locate a suitable flat mounting surface on the transom or under the deck. Position blower with flow arrow towards exhaust vent and slightly angled toward engine compartment to avoid moisture build-up.
2. Using the blower as template, mark holes for mounting feet and make a pilot hole for #10 [13 mm] screws. Secure blower in place with #10 screws taking care not to over tighten screws or penetrate the hull.
3. Twist duct hose over blower ends up to stiffening rings. Use of a good quality reinforced (non-collapsing) non flame supporting duct is recommended.
4. Secure duct with cable tie wraps positioned around the blower housing between the stiffening rings and the end flange tabs. The tabs will prevent the duct from coming off of the unit. The use of metal hose clamps is not recommended, but if you must, please do not over tighten as this may adversely affect blade clearance.
5. Run intake duct to the bilge with as few bends as possible. The intake must be below the top of the engine stringers, but must not become submerged in the normal level of bilge water accumulation.
6. Run exhaust duct to the exhaust vent or collector box with as few bends as possible. Secure duct vent.

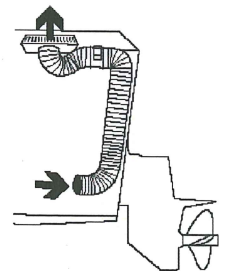
**Vertical Transom Mount**



**Horizontal Transom Mount**



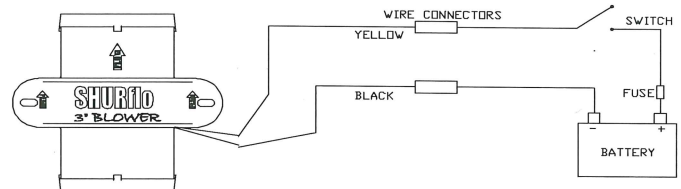
**Deck Mount**



**WIRING INSTRUCTIONS:**

1. Using a quality marine grade stranded wire, wire blower as shown in fig 1. For runs up to 50 feet (measured from power source to blower and back) use 16 gage wire. For runs of 50 to 80 feet, use 14 gage wire. To comply with A.B.Y.C. and N.M.M.A. recommendations, the positive (+) conductor must be yellow and the negative (-) conductor must be black.
2. Splice a suitable fuse holder into the conductor from the positive(+) battery terminal. Choose as easily accessible location that is within 72 inches (180 cm) of the battery.
3. Connect on-off switch to the positive (+) conductor and mount switch in the dash control panel. **CAUTION:** Label must be placed in plain view of operator as close as possible to each ignition switch.

Figure 1

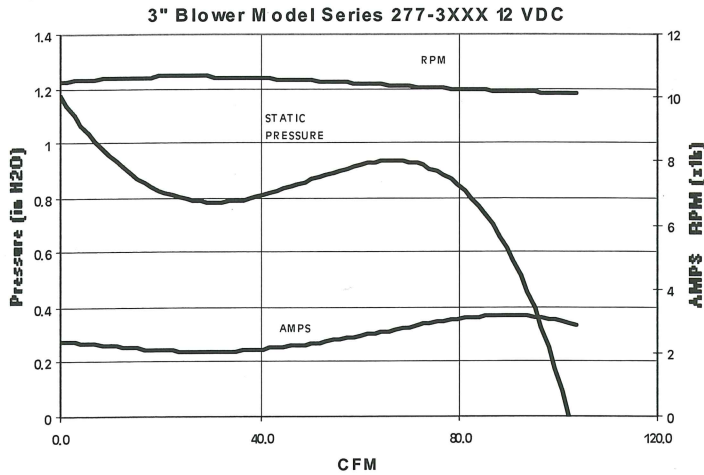


**MODELS:**

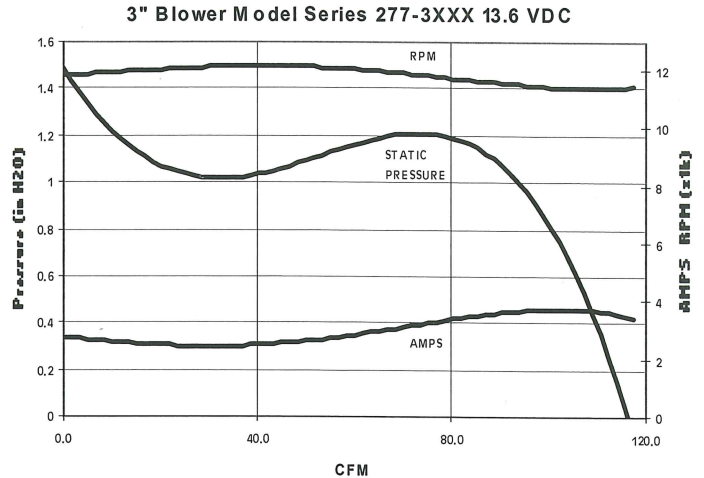
Model No.	Duct Diameter	Spec Voltage	Open Flow CFM	Current Draw	Fuse Size
277-3100	3 Inch [75 mm]	13.6 V	117 [3.3 m/min]	3.7 A	5 Amps
277-4100	4 Inch [100 mm]	13.6V	213 [6.0 m/min]	5.2 A	7 Amps

Call SHURflo for other models available

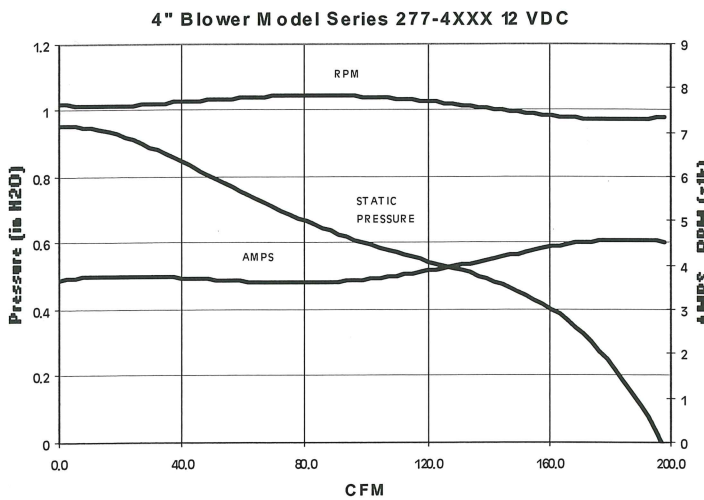
**Performance at Nominal Voltage 12 VDC**



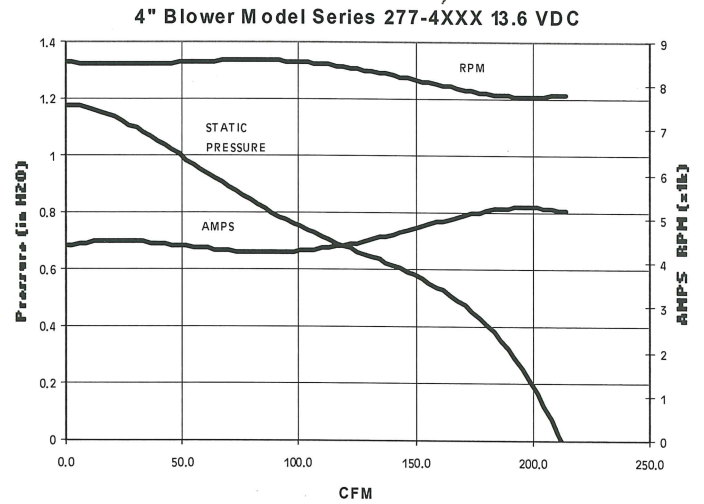
**Performance at Rated Voltage (113.3%) 13.6 VDC**



**Performance at Nominal Voltage 12 VDC**



**Performance at Rated Voltage (113.3%) 13.6 VDC**



**LIMITED WARRANTY**

SHURflo warrants its Yellow TAIL™ 4" and 3" Blowers to be free from material and workmanship defects under normal use and service for a period of three (3) years from the date of manufacture indicated on the blower label. Blowers used in commercial applications are warranted for three (3) months from date of purchase only (proof required). The limited warranty will not apply to blowers that were improperly installed, misapplied, or are incompatible with components not manufactured by SHURflo. SHURflo will not warrant any blower that is physically damaged, or altered outside the SHURflo factory. Returns are to be shipped postage prepaid to either service center; SHURflo Cypress, CA or Elkhart, IN. SHURflo shall not be liable for freight damage incurred during shipping. Package returns carefully. This warranty is only a representation of the complete Marine Products Limited Warranty outlined by Service Bulletin #1050.

SHURflo reserves the right to update specifications, prices, or make substitutions.



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