

## HVFB Typhoon Fan

Installation and Maintenance Instructions.

**THESE INSTRUCTIONS MUST BE READ FULLY BEFORE COMMENCING INSTALLATION.**

**Owner / installer:** The life of this apparatus and its efficiency will be increased if its use and maintenance is carried out in accordance with these instructions and current statutory requirements. The installation and initial adjustments should be carried out by a qualified and competent technician. Hydor Limited should be consulted before substituting or fitting parts from another manufacturer. It is the responsibility of the installer to verify that the installation is in accordance with the following standards and the owner is given the current User's Manual.

**Any modifications to the fan or its installation, even the smallest modification, change or elimination of security components or pieces that influence the efficiency or loss of ventilation, will result in the CE Certification and Hydor's warranty being cancelled.**

Code	Supply	FL Amps	Watts	Weight kg
HVFB30	230V/1Ph/50Hz	0.22	50	3.8
HVFB45	230V/1Ph/50Hz	0.38	110	5.5

### 1. General

- 1.1 It is important these Installation and Maintenance Instructions are fully adhered to.
- 1.2 Full details of the unit supplied are shown on the product nameplate. If in doubt about any detail contact Hydor or its agents for clarification.
- 1.3 All electrical installation must be carried out by suitably qualified and competent personnel in accordance with all current statutory requirements.
- 1.4 These instructions cover only the Hydor product and do not include the supply or installation of any safety equipment that may be required e.g. adequate guarding or protection from rotating parts and proper electrical isolation.
- 1.5 Any declarations made by Hydor about product installation and safety, are

dependant on the fan equipment being used within installations which themselves meet the requirements of the relevant Standards and Directives of your region.

- 1.6 The fan must be installed indoors in a dry, sheltered position and is designed for use in an ambient temperature of up to 40°C. The fan is not suitable for corrosive or explosive atmospheres.
- 1.7 The installer should provide easy access to the fan to facilitate future maintenance.
- 1.8 The installer should ensure the fan is adequately supported.
- 1.9 This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

**WARNING** The fan must be isolated from the power supply during installation and maintenance. The fan is supplied pre-wired to a standard three pin plug and must be earthed in accordance with the local regulations.

## 2. Installation

- 2.1 Upon receipt, the fan equipment should be visually inspected to check for any damage.
- 2.2 Check the details on the motor rating plate to ensure that the correct power supply (voltage, frequency and phase) is available. An incorrect power supply will lead to permanent damage to the fan motor.
- 2.3 Floor mounting - Position the fan on a level surface where both the fan and electrical cable will not cause a hazard. The cable must not be pulled.
- 2.4 Wall mounting (HVFB-30 & HVFB-45) – Securely fix the fan to a structurally sound wall using suitable fasteners and the mounting brackets provided. Ensure that the wall is able to support the cantilevered fan weight.

**WARNING** The fan must be isolated from the power supply before adjusting any operating conditions apart from altering the fan speed.

## 3. Set up

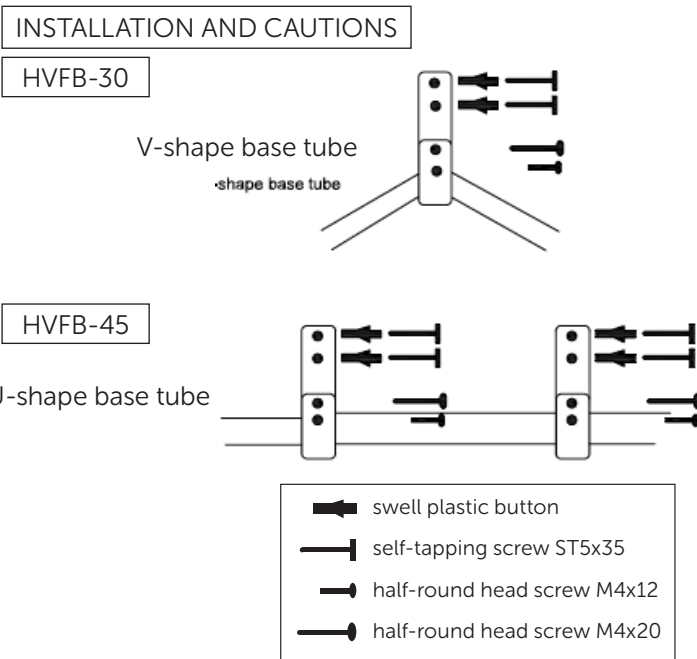
- 3.1 Before power is supplied to the unit, ensure that the impeller is free to rotate.
- 3.2 Check that the motor amperage draw does not exceed the nameplate rating.
- 3.3 Speed - The fan has three speed settings, 1 – 3 (slow, medium, fast) with 0 being the off position.

3.4 Angle of Tilt – Release the retaining knobs, hold the fan and adjust the angle of tilt to the desired position. Tighten the retaining knobs securely.

#### 4. Fan Maintenance

- 4.1 Inspection of the fan at least once every 12 months is recommended to ensure that the motor, fan blades, and supporting guards, are clean. Any build up of dust and deposits on the blades or guards should be removed using a non-abrasive cleaner.
- 4.2 All fastenings should be checked for tightness. In addition, all rotating items should be checked.
- 4.3 Bearings are lubricated for life and will not need a detailed inspection.

**WARNING** The HVFB-30 and HVFB-45 fans are fitted with an auto-reset thermal contact which switches the fan off in the event of a fault condition. Once the motor cools down the fan may start unexpectedly. Only a suitably qualified and competent person may carry out maintenance after the electrical supply has been isolated.

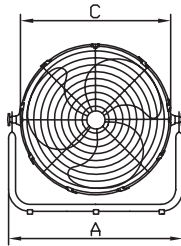
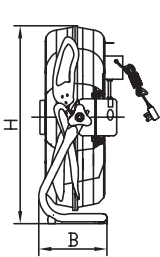


#### Wall Mount Parts (optional only)

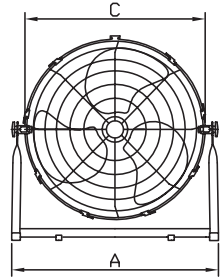
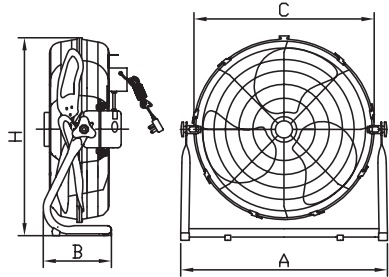
- 1. Wall mount parts must be installed on a stable, strong and permanent concrete wall which must be in 90° vertical to the ground level. Please check by qualified technician before installation.
- 2. Please use the screws included in the package for installation.

3. The pair of wall mount parts for HVFB-45 must be installed on the same level.
4. Wall mounted parts must be installed by qualified technician to avoid hazard.
5. Periodic inspection by qualified technician for stability of wall mount parts and the fan unit is necessary.

## 6. Dimensional Data



HVFB-30



HVFB-45

Code	A	B	C	H	Weight kg
HVFB30	401	182	360	385	3.8
HVFB45	555	195	509	525	5.5







## **Guarantee**

Hydor or its agents will, within a period of one year from the date of dispatch from their works, at its option, replace any goods, which are proven to have defects as a result of defective materials or workmanship. The goods must be inspected by a Hydor official and if necessary returned, with a Returns Note Number, carriage paid, for further examination.

Hydor Ltd

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