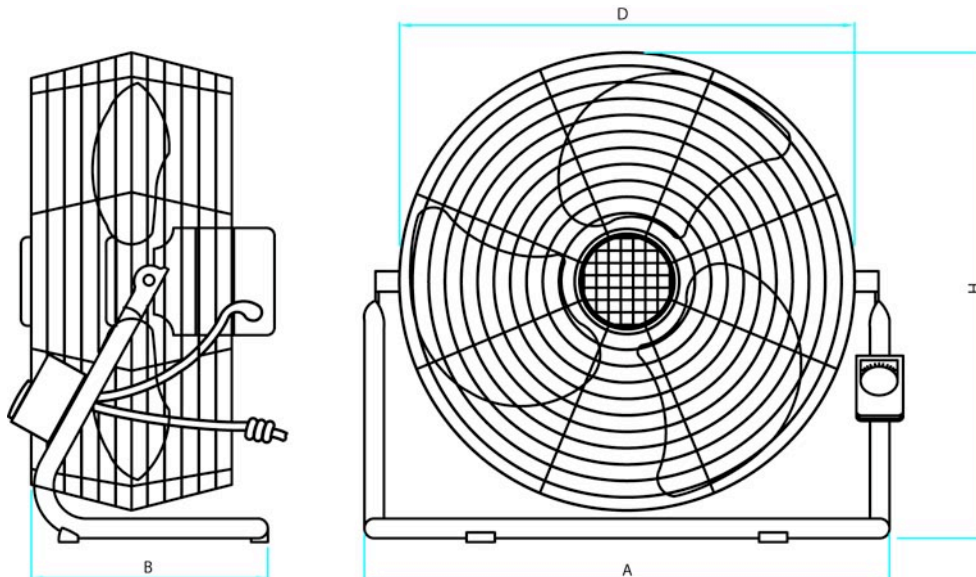


Typhoon HVF Installation and Maintenance Instructions

THESE INSTRUCTIONS MUST BE READ FULLY BEFORE COMMENCING INSTALLATION

Code	A	B	D	H	Supply	FL Amps	Watts	Weight-kg
HVF-20	275	135	255	265	230V/1Ph/50Hz	0.16	38	2.3
HVF-30	395	195	356	390	230V/1Ph/50Hz	0.25	55	4.0
HVF-45	575	210	518	560	230V/1Ph/50Hz	0.84	180	9.5



1.0 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 45 °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.

2.0 INSTALLATION

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.

- 2.1 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 (HVF30 & HVF45) – 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.

3.0 START-UP

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

- 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, with 0 being the off position.
- 3.4 Angle of Tilt - Hold the fan stationary and adjust the angle of tilt to the desired position.

4.0 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 HVF-45 fan is 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.

The HVF-20 and HVF-30 fans are fitted with a one shot operation only thermal fuse which will switch the fan off in the event of a fault condition.

Only a suitably qualified and competent person may carry out maintenance after the electrical supply has been isolated.

GUARANTEE

HYDOR or its agents will, within a period of 1 year from the date of dispatch from their works, repair or, at its option, replace any goods, which are proven to have defects as a result of defective materials or workmanship. The goods MUST be returned to HYDOR, carriage paid, for examination.

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