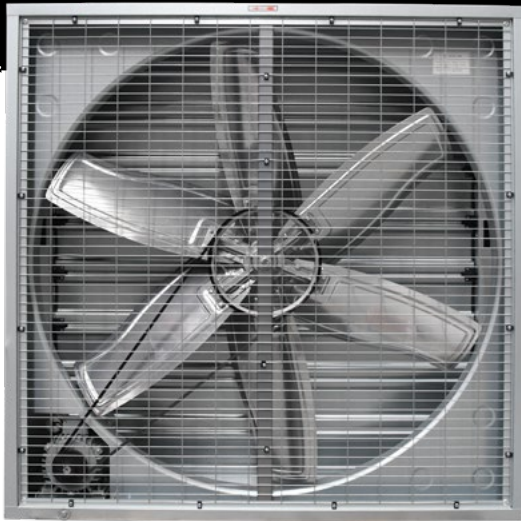


FANTECHTRADE ///

MADE FOR TRADE

HV WALL FAN

INSTALLATION & MAINTENANCE INSTRUCTIONS



HVE

SINGLE PHASE WALL FAN

HVD

THREE PHASE WALL FAN

INSTALLATION & MAINTENANCE INSTRUCTIONS

FANTECH TRADE ///

MADE FOR TRADE

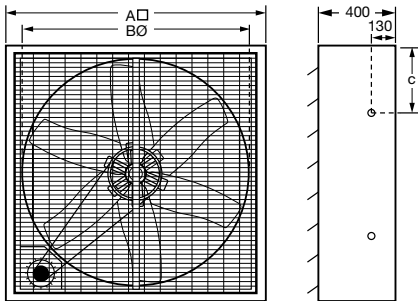
HVE – Single Phase wall fan

HVD – Three Phase wall fan

▲ IMPORTANT SAFETY INSTRUCTIONS – PLEASE READ

- 1.1 It is important that these Installation and Maintenance Instructions are fully adhered to.
- 1.2 All electrical installations must be carried out by suitably qualified and competent personnel in accordance with all statutory requirements.
- 1.3 The fan is designed for use in an ambient temperature of up to 40°C. It is not suitable for corrosive or explosive atmospheres. Ensure particulate matter in the air does not exceed 150mg/m³ during use.
- 1.4 The installer should provide easy access to the fan to facilitate future maintenance and ensure that the fan is adequately supported.
- 1.5 This appliance is not intended for use by persons (including children) with reduced physical, sensory, mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- 1.6 If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

DIMENSIONAL DRAWING



Model	A	B	C
HV_080	900	800	270
HV_100	1060	1000	270
HV_125	1380	1250	295

All dimensions in mm

SPECIFICATIONS

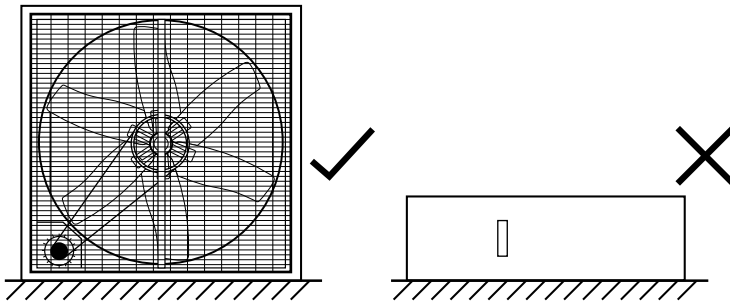
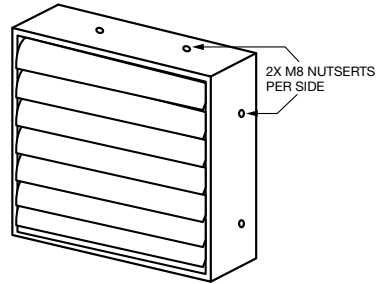
MODEL	SIZE (mm)	VOLTAGE (V)	FREQ (Hz)	POWER (kW)	AIRFLOW (m ³ /hr)	NOISE (dBA@3m)	SPEED (rpm)	WEIGHT (kg)
HVE080	800	240	50	0.37	16,000	49	450	42
HVD080	800	415	50	0.37	16,000	49	450	42
HVE100	1000	240	50	0.75	32,000	50	450	60
HVD100	1000	415	50	0.75	32,000	50	450	60
HVE125	1250	240	50	1.1	44,500	55	450	65
HVD125	1250	415	50	1.1	44,500	55	450	65

INSTALLATION

⚠ Warning

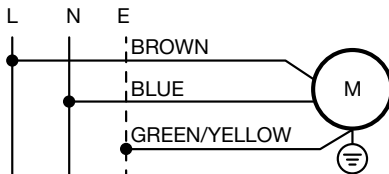
The fan must be isolated from power supply during installation and any maintenance. Upon receipt, inspect the fan for any damage.

- 2.1 The gap between the fan blades and the housing should be uniform with no contact.
- 2.2 When installing multiple fans on a wall, it is recommended to leave a space of 1 fan width between fans to maximise fan performance and longevity.
- 2.3 The fan must be installed such that the motor sits on the bottom side of the unit, and the airflow will be horizontal. The fan is not suitable for vertical air movement.
- 2.4 Use the eight M8 rivet nuts around the outside of the fan case to secure it in place.
- 2.5 Do not connect ducting to either end of the fan.
- 2.6 Use additional hangers or supports when lifting the fan. Do not lay the fan down horizontally. There are lifting handles on the sides of the fan to aid in moving the fan.
- 2.7 Check belt is tight and correctly located on pulleys, before use.

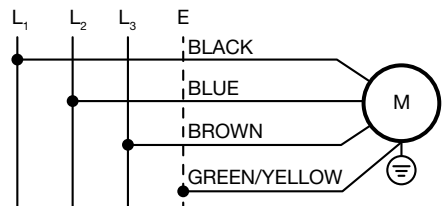


WIRING DIAGRAMS

Wiring HVE



Wiring HVD



NOTE: HVE/HVD fans are not speed-controllable.

INITIAL STARTUP

- 3.1 After installation, test run the fan and confirm the correct direction of blade rotation (check marking on the fan). For HVD models, if rotation is incorrect, swap over two of the mains supply wires.
- 3.2 In addition to rotation, check for any abnormal sounds or current overloads.

USE AND MAINTENANCE

▲ Warning

If abnormal noise or vibration occurs during use, stop the fan immediately and inspect it before resuming.

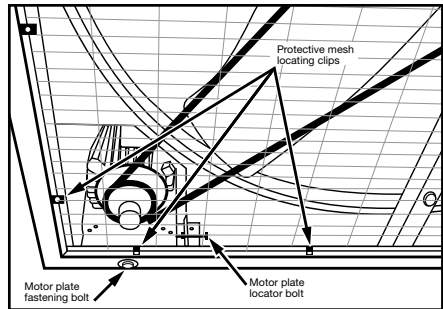
- 4.1 Once operational, the fan should be checked periodically for any damage or buildup.
- 4.2 To maintain balance and prevent vibration:
 - Inspect blades monthly.
- 4.3 If not used for long periods, verify all connections and conduct a test run before restarting.
- Clean any dust or grease build-up before operation, using a non-abrasive cleaner.

PULLEY/BELT MAINTENANCE

▲ Warning

Ensure fan is isolated from mains supply prior to any maintenance work. Over time, the belt may soften and require tightening or replacement.

- 5.1 Loosen the motor plate fastening bolt, located on the case flange on the inlet side.
- 5.2 Remove some of the protective mesh locating clips to allow access to the motor.
- 5.3 Adjust the motor plate locator bolt to tighten or loosen the belt as required.
- 5.4 Check belt tension by pressing the middle of the belt with two fingers. Proper tension allows 15-20mm of downward movement.
- 5.5 Tighten the motor plate fastening bolt and re-fit the protective mesh to the fan case.



WARRANTY



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