

## USER MANUAL

# JETFAN™

DIGITAL MIXED FLOW FAN (4", 6", 8" and 10" models)



PF1040/PF1060/PF1080/PF1010

  
**HYDROFARM**

4" FAN SPECIFICATIONS (PF1040)			
Fan Size	4 inch (100 mm)	Static Pressure	34 mmH <sub>2</sub> O (334 Pa)
Rated Voltage	110V	Noise Level	56.8 dBA
Input Current	0.27A	Housing Material	Aluminum
Max Current	0.3A	Impeller Design	Mixed Flow
Max Power C.	18W	Motor Type	EC Motor
Frequency	60Hz	Net Weight	1.1 kg
Max Speed	5000 RPM	IP Rating	IPX4
Max Airflow	160 CFM (275 m <sup>3</sup> /hr)		

6" FAN SPECIFICATIONS (PF1060)			
Fan Size	6 inch (150 mm)	Static Pressure	51 mmH <sub>2</sub> O (500 Pa)
Rated Voltage	110V	Noise Level	60 dBA
Operating Current	0.55A	Housing Material	Cold Rolled Steel
Max Current	0.60A	Impeller Design	Mixed Flow
Max Power C.	40W	Motor Type	EC Motor
Frequency	60Hz	Net Weight	1.6 kg
Max Speed	5000 RPM	IP Rating	IPX4
Max Airflow	350 CFM (594 m <sup>3</sup> /hr)		

8" FAN SPECIFICATIONS (PF1080)			
Fan Size	8" (200 mm)	Static Pressure	53 mmH <sub>2</sub> O (520 Pa)
Rated Voltage	110V	Noise Level	61.6 dBA
Operating Current	1.03A	Housing Material	Cold Rolled Steel
Max Current	1.2A	Impeller Design	Mixed Flow
Max Power C.	75W	Motor Type	EC Motor
Frequency	60Hz	Net Weight	2.6 kg
Max Speed	3800 RPM	IP Rating	IPX4
Max Airflow	710 CFM (1205 m <sup>3</sup> /hr)		

10" FAN SPECIFICATIONS (PF1010)			
Fan Size	10" (250 mm)	Static Pressure	52 mmH <sub>2</sub> O (510 Pa)
Rated Voltage	110V	Noise Level	65 dBA
Operating Current	1.76A	Housing Material	Cold Rolled Steel
Max Current	2.0A	Impeller Design	Mixed Flow
Max Power C.	150W	Motor Type	EC Motor
Frequency	60Hz	Net Weight	3.7 kg
Max Speed	3200 RPM	IP Rating	IPX4
Max Airflow	1065 CFM (1808 m <sup>3</sup> /hr)		



*3 Year  
Warranty!*



*3 Year  
Warranty!*



*3 Year  
Warranty!*



*3 Year  
Warranty!*



## OVERVIEW

Thank you for purchasing the **PF1040/PF1060/PF1080/PF1010** JETFAN Digital Mixed Flow Fan. These fans are capable of medium to high static pressure and feature aerodynamically-optimized airflow, quiet operation, and extremely high efficiency. They are ideal for grow room ventilation (exhaust and intake) and can also be used for air-cooling compatible HID fixtures.

For information on additional horticultural products please visit [Hydrofarm.com](http://Hydrofarm.com).

To ensure safety, please read and save the following instructions before using this fan. Use this fan only as intended. Use other than as described may result in electric shock or personal injury.

This product is intended for indoor use only.

- Install with duct on inlet and duct and/or fan attenuator/silencer on exhaust of fan.
- Install guard screens if personnel have access to inlet or exhaust of fan.
- For general ventilation use only.
- Warning: Do not use to exhaust hazardous explosive materials and vapors.

***DO NOT use this fan in the following circumstances:***

- In the presence of flammable or hazardous atmosphere, explosive gases, or chemical dust
- Where environmental humidity is above 90%
- Operating temperatures lower than 15°F/-10°C or above 140°F/60°C
- Where the environment has significant dust
- In places where children or pets have easy access to the fan blades

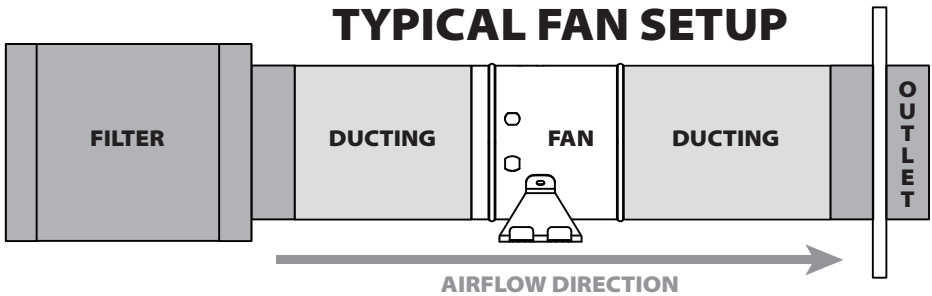
## PARTS LIST - (WHAT'S IN THE BOX)

- A** - Jetfan (model varies)
- B** - Variable Speed Controller
- C** - Speed Controller Cable



## INSTALLATION

1. Unpack and check fan for damage. Ensure that the fan impeller spins freely and does not touch the fan housing.
2. Use a pre-filter on the carbon filter to prevent dust, oil and other foreign substances from building up on the impeller. Buildup of dust and/or foreign material can cause an out-of-balance impeller and excessive vibration. Excessive vibration will reduce fan life expectancy.
3. Use the appropriate attachment screws for the surface material being used to mount the fan. Use the supplied mounting bracket or fan housing.
4. Do not install fan on sheet rock or weak surfaces.
5. Do not deform fan bracket or fan housing.
6. After completing the installation, electrical work and ductwork, perform a test operation to confirm that the fan operates normally.
7. After turning the power on, the fan should rotate freely and build up speed normally.
8. If there is abnormal noise or no rotation, check all connections and check power supply.



## USING THE INCLUDED FAN SPEED CONTROL

Your Jetfan includes a fan speed control (adjuster) that allows you to smoothly adjust the speed (RPM) of your fan downward from maximum speed until it is nearly stopped. This gives you the flexibility to regulate the airflow volume of your exhaust/intake/air-cooling to the exact level needed to fine-tune your environment. Using the speed control also conserves electrical power.

To reduce the risk of electric shock, always turn off the power or isolate the fan from the power source before connecting or disconnecting the speed control cable to the fan or speed control.

The fan may be operated without the speed controller, however, in this case the fan's RPM will default to maximum RPM (full power).



## ADDITIONAL WARNINGS

- Check that the voltage rating on the fan is the same as supply voltage (110V/220V)
- Do not insert or allow foreign objects into fan or duct connected to fan
- Do not connect fan to power before ductwork is in place
- Do not use with damaged plug or damaged cable
- Do not allow liquids to contact the fan or the fan housing, as this may cause electric shock and/or fire hazard
- Do not place objects on the fan housing, as this may cause fire hazard, electric shock, or injury
- Do not puncture fan housing with screw, bolts, etc.
- Make sure that the power is disconnected whenever performing maintenance
- Do not use near flammable gasses or source of heat

## WARRANTY



### LIMITED WARRANTY

Hydrofarm warrants the **JETFAN** to be free from defects in materials and workmanship. The warranty term is for 3 years beginning on the date of purchase. Misuse, abuse, or failure to follow instructions is not covered under this warranty. Hydrofarm's warranty liability extends only to the replacement cost of the product. Hydrofarm will not be liable for any consequential, indirect, or incidental damages of any kind, including lost revenues, lost profits, or other losses in connection with the product. Some states do not allow limitation on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Hydrofarm will, at our discretion, repair or replace the **JETFAN** covered under this warranty if it is returned to the original place of purchase. To request warranty service, please return the **JETFAN**, with original sales receipt and original packaging, to your place of purchase. The purchase date is based on your original sales receipt.

# JETFAN™

Thank you for choosing the Jetfan by Hydrofarm. For further information about Phat products, videos and technical information, please visit [Hydrofarm.com](http://Hydrofarm.com)

ADDITIONAL LANGUAGES OF THESE INSTRUCTIONS CAN BE FOUND AT [Hydrofarm.com](http://Hydrofarm.com)



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