AC Infinity CLOUDLINE S12

AC Infinity CLOUDLINE PRO S12 Quiet 12-Inch Inline Duct Fan User Manual

Model: CLOUDLINE S12 | Brand: AC Infinity

INTRODUCTION

The AC Infinity CLOUDLINE PRO S12 is a quiet 12-inch inline duct fan designed for efficient ventilation. It features an EC motor with PWM control for energy-efficient and low-noise operation. This fan is ideal for various applications including ventilating hydroponic grow rooms, transferring heating/cooling, cooling AV closets, and exhausting odors. The unit comes with a wired 10-speed fan controller for precise airflow management.

SAFETY INFORMATION

- Always disconnect power before installation, cleaning, or maintenance.

- Ensure proper grounding to prevent electrical shock.

- Do not operate the fan with a damaged cord or plug.

- Keep fingers and foreign objects away from moving parts.

- Install in a location where it is protected from water and excessive humidity, unless specifically rated for such environments.

- This appliance 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 appliance by a person responsible for their safety.

PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- 1 x CLOUDLINE PRO S12 Duct Fan Unit

- 1 x Wired 10-Speed Controller

- 1 x Installation Manual

- Mounting Hardware (screws, anchors, zip ties)

- 1 x AC Power Plug

1. Mounting the Fan

The CLOUDLINE PRO S12 fan is designed for inline installation within ductwork. It can be mounted horizontally or vertically using the included mounting hardware. Ensure the mounting location is secure and can support the weight of the fan and any attached ducting.

SPECIFICATIONS   UIS™

MODEL | CLOUDLINE S12   ENGINE | EC-Motor PWM
DUCT SIZE | Ø 12"   AIRFLOW | 1604 CFM
POWER USAGE | 139 Watt   NOISE | 62 dBA
CONTROLLER | Speed Controller   SPEED | 10 + Power Switch

14.05" (35.7 cm)

17.71" (45.0 cm)

2.70" (6.9 cm)

1.37" (3.5 cm)

0.55" (1.4 cm)

12.28" (31.2 cm)

4.20" (10.8 cm)

Power Cord Length:

Fan to Controller Cord Length:

8 FT (96") (244 cm)

10 FT (120") (305 cm)

Image: The AC Infinity CLOUDLINE PRO S12 fan is shown installed horizontally within a grow tent, connected to flexible ducting. The fan is secured to the tent's frame using straps or hangers.

2. Connecting Ducting

Connect appropriate 12-inch ducting to both ends of the fan. Use duct clamps or heavy-duty zip ties to secure the ducting to the fan's flanges, ensuring an airtight seal. The fan's mixed flow design allows for efficient airflow even in high resistance areas.

SPEED CONTROLLER

Ten fan speeds with power switch, controlled by PWM (Pulse Width Modulation).

Backup memory remembers speed settings even with power off and on cycles.

Includes machine and wood mounting screws to secure controller onto a wall.

AC INFINITY

Image: A diagram illustrating the AC Infinity inline duct fan system. Air is drawn in from one side (red arrows) and exhausted from the other (blue arrows), demonstrating the fan's function in a ventilation setup.

3. Controller Connection

Connect the wired 10-speed controller to the fan unit. The controller allows for manual adjustment of fan speed. Position the controller in an easily accessible location.

Your browser does not support the video tag.

Video: An official AC Infinity video showcasing the CLOUDLINE Series of quiet inline duct fans. It highlights the features and benefits of the fan, including its quiet operation and various applications.
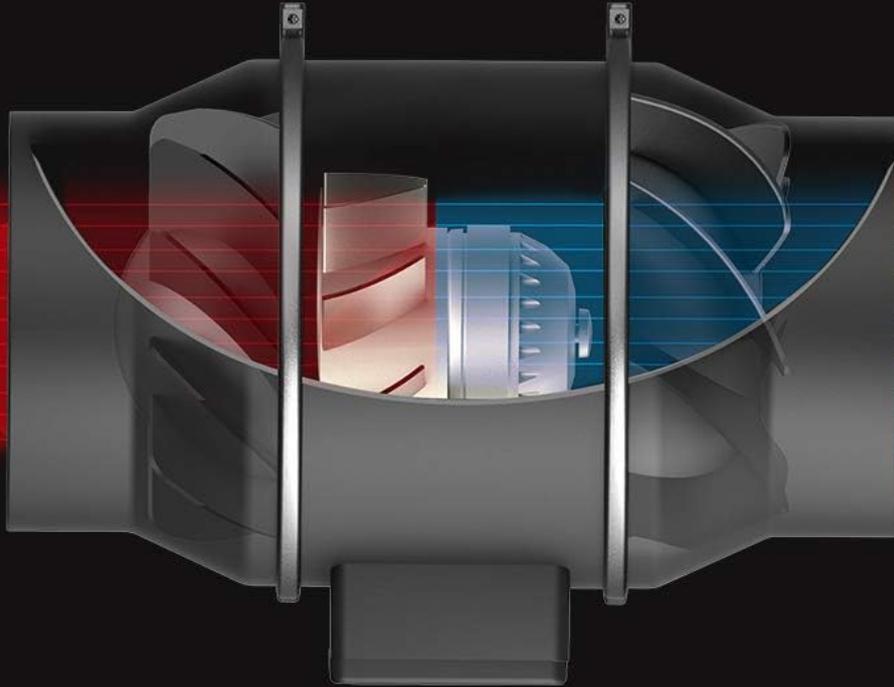
OPERATING INSTRUCTIONS

1. Powering On and Speed Adjustment

Plug the AC power plug into a standard electrical outlet. Use the wired 10-speed controller to turn the fan on/off and adjust the airflow. The controller provides incremental speed settings to fine-tune your ventilation needs.

QUIET AND ENERGY EFFICIENT

Each unit features a precise Pulse Width Modulated (PWM) controlled EC-motor that is exceptionally quieter and uses less power than conventional AC-motors.

CLOUDLINE T6 shown. May not be the same model as this listing.

Image: A close-up view of the wired 10-speed controller for the AC Infinity inline duct fan. It shows the fan speed indicator lights and the control button for adjusting settings.

2. EC Motor Benefits

The fan utilizes a PWM-controlled EC motor, which ensures quiet and energy-efficient performance. This technology allows for precise speed control without generating excessive heat or noise, unlike traditional AC motors.

MAINTENANCE

1. Cleaning

Periodically inspect the fan blades and housing for dust and debris accumulation. Disconnect power before cleaning. Use a soft brush or cloth to gently remove any buildup. Avoid using harsh chemicals or abrasive materials that could damage the fan components.

2. Inspection

Regularly check the ducting for any leaks, tears, or obstructions. Ensure all connections are secure. Inspect the power cord and controller for any signs of damage.

TROUBLESHOOTING

- **Fan Not Turning On:** Check if the power cord is securely plugged into both the fan and the outlet. Ensure the controller is connected and powered on.

- **Low Airflow:** Verify that the ducting is not obstructed or kinked. Check for any leaks in the duct connections. Ensure the fan speed is set to an appropriate level.

- **Excessive Noise:** Confirm that the fan is securely mounted and not vibrating against any surfaces. Check for any loose components or debris inside the fan.

SPECIFICATIONS

Feature	Specification
Model Name	CLOUDLINE S12
Duct Size	12 Inches
Dimensions (D x W x H)	14.1"D x 14.9"W x 17.7"H
Airflow Capacity	1604 CFM
Noise Level	62 dBA
Motor Type	PWM-controlled EC Motor
Bearings	Dual Ball
Number of Speeds	10
Wattage	250 watts
Power Source	Corded Electric
Material	Metal (housing), Plastic (blades)
Item Weight	11.2 Kilograms

Image: A diagram detailing the specifications of the CLOUDLINE S12, including dimensions, power cord lengths, and controller dimensions.

Image: An exploded view diagram illustrating the internal components and mixed flow design of the AC Infinity inline duct fan, highlighting its construction and airflow path.

WARRANTY AND SUPPORT

AC Infinity products are backed by a manufacturer's warranty. For specific warranty details, registration, or technical support, please refer to the official AC Infinity website or contact their customer service directly. Keep your purchase receipt for warranty claims.

For further assistance, visit the AC Infinity Store on Amazon.