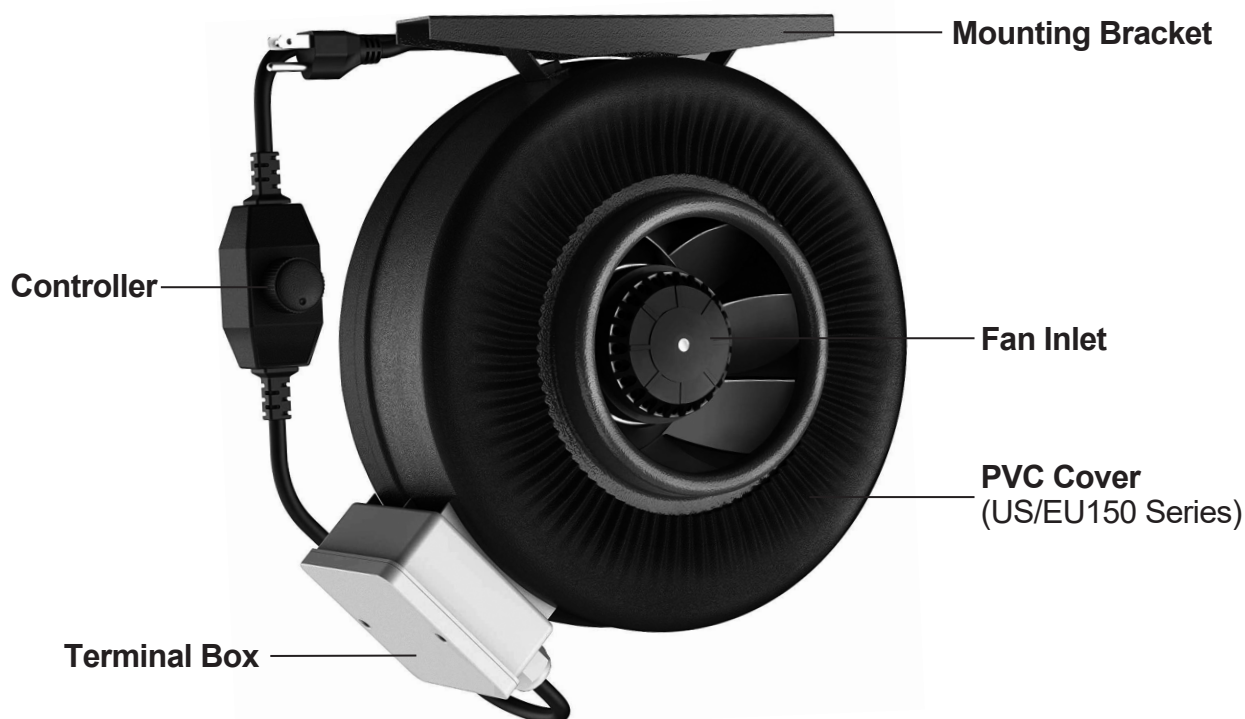# Inline Duct Fan
User Manual

Read carefully before use & keep for future reference

Safety Information

⚠️ Warning!

- **DO NOT** install or use outdoors. Use only indoors.

- **ALWAYS** keep this device away from inflammables, explosives, corrosives, direct sunlight, moisture such as rain and snow, mechanical shock, and excessive dust.

- **DO NOT** let children or persons with reduced physical or mental capabilities operate this device without supervision.

- **DO NOT** operate this device with an incompatible, ungrounded, or unstable power supply.

- **DO NOT** operate this device if it is dropped, damaged, or showing signs of malfunction.

- **DO NOT** install, move, or dismantle this device while it is connected to a power supply. For best results, wear your gloves and other protective clothing during movement, installation, or removal.

- **DO NOT** repair or modify this device yourself. It should be serviced only by a qualified technician.

Parts Diagram

Mounting Bracket

Controller

Fan Inlet

PVC Cover
(US/EU150 Series)

Terminal Box

Specifications

Type	US100	EU100	US150	EU150
Material	PVC, Steel, PA66			
Fan & Bracket Dimensions	11 × 9 × 8 in.	27.9 × 23.7 × 20.4 cm	13 × 11 × 8 in.	32.5 × 28 × 20.4 cm
Inlet/Outlet Diameter	4 in.	10 cm	6 in.	15 cm
Input Power	120V/60Hz	230V/50Hz	120V/60Hz	230V/50Hz
Wattage	68W	60W	130W	100W
Max. Speed	2500 rpm			
Max. Air Flow Volume	200 cfm	300 m³/h	440 cfm	620 m³/h
Net Weight	6.6 lb.	3 kg	8.8 lb.	4 kg

Installation

For best results, remove the built-in fan from your engraving machine or cut its wiring and replace the fan system with this device. Make sure the machine is powered off and disconnected from the power supply before making the mentioned adjustments.

1. Find a suitable location to mount the device. This should be somewhere in between your engraving machine's vent and the desired venting device or area. Make sure the location and mounting surface are able to support the weight and dimensions of the duct.

2. Use the preassembled bolts to attach the mounting bracket to the fan.

3. Attach the fan by its mounting bracket to your chosen surface. Use the provided foam pads between the mount and the mounting surface. Pay attention to the exhaust and intake sides of the fan.

4. Connect the fan to your venting device or area and to your machine using your ducts (not included). You either need two ducts or you have to measure and cut one long duct to attach its halves to either side of the fan, while making sure the entire duct system can reach your machine's exhaust and your venting device or area. Use clamps (not included) to secure the connections.

Operation

Make sure that the voltage leading to the fan matches the level it is rated for.

Plug in the fan. Turn its rotary knob clockwise until the fan activates at its highest speed. Continue turning the knob clockwise to decrease its rotational speed if desired. Turn the knob completely counterclockwise to turn off the fan.

Maintenance

The exterior of this device can be cleaned with a soft damp cloth. **DO NOT** use abrasive cleaners or caustic chemicals.

Any internal maintenance should be done by a trained technician. For best results, periodically have the blades, rotors, and other internal components dusted and cleaned. During cleaning, have the parts checked for any looseness, wear, or damage and correct any problems before further use.

Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at **help@cs-supportpro.com** and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.