

EC Motor Inline Duct Fan, 4-8 in

Product datasheet — Ventilation | Weltech (Shanghai) Co., Ltd.

The EC Motor Inline Ventilation Duct Fan provides high-volume airflow and precise climate regulation for indoor grow tents, hydroponic gardens, and residential/commercial HVAC systems. Powered by a three-phase PWM EC motor, it delivers robust airflow while remaining highly energy-efficient and quiet.



Key features ■

- Indoor Agriculture & Grow Tents: Exhausting heat, humidity, and odor; supplying fresh intake air for cannabis and horticulture.
- Residential Ventilation: Improving air turnover in basements, attics, workshops, and bathrooms.
- Commercial HVAC Systems: Boosting airflow in long duct runs, server rooms, and storage areas.
- Custom plug type (US / EU / UK / AU), voltage and cable length
- OEM logo, housing colour and retail packaging
- Carton quantities and pallet loading confirmed per order

Specifications ■

Parameter	4 Inch Fan	6 Inch Fan	8 Inch Fan
Duct Collar Diameter	98 mm (4")	147 mm (6")	198 mm (8")
Motor Type	Three-Phase PWM EC Motor	Three-Phase PWM EC Motor	Three-Phase PWM EC Motor
Rated Voltage	110–240V AC, 50/60Hz	110–240V AC, 50/60Hz	110–240V AC, 50/60Hz
Power Consumption	30 Watts	60 Watts	70 Watts / 180 Watts
Airflow Volume	212 – 214 CFM	402 – 405 CFM	553 CFM / 831 CFM
Max Speed	3000 RPM	3000 RPM	3000 RPM
Max Noise Level	27–28 dBA	31–32 dBA	50–51 dBA
Power Cable Length	1.5 Meters	1.5 Meters	1.5 Meters
Control Cable Length	2.5 Meters	2.5 Meters	2.5 Meters

Specifications are typical values. Production tolerances and custom options are confirmed on the quotation.

Applications ■

- Grow room extraction with carbon filtration
- HVAC air distribution, kitchens and bathrooms
- Duct runs that need extra static pressure

Customisation & OEM ■

Item	Options
Branding	Logo printing on product and carton, custom retail packaging
Product options	Size, colour, finish, wattage, spectrum, plug type and voltage to your market
Documentation	Commercial invoice, packing list, B/L, certificate pack, test report
Order terms	MOQ, price and lead time confirmed per specification and quantity

Packing & delivery ■

Item	Details
Packing	Export carton with inner protection; pallet or loose loading on request
Shipping	Express 5–9 days · air freight 7–12 days · LCL 20–40 days · FCL 20–45 days
Port	Shanghai, China
Payment	T/T, L/C at sight — confirmed with the order

Quality & compliance ■

- ISO 9001:2015 production management
- Pre-shipment inspection with photo report
- CE / ETL / RoHS documentation on request
- Batch traceability by order number
- Spare parts and after-sales support
- 12-month limited warranty

Ordering and technical support

Send the product, quantity and destination port. We reply the same day with price, lead time and shipping options.

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Product page: <https://weltechsh.com/product/ec-inline-duct-fan/>

