Airius Model 45/EC
Product Information Sheet

45/ECDS-230V

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DESIGNER
s e r i e s

AIRIUS ®
saving you energy

DIMENSIONS

373mm
(15 in)

(Free hanging units can be angled up to 90° off vertical)

610mm
(24 in)

452mm
(18 in)

PROPERTIES

UNIT SIZE	Standard	
Weight:	8.6 kgs (19 lbs)	
Height to Rim:	452 mm (18 in)	
Total Height:	610 mm (24 in)	
Diameter:	373 mm (15 in)	

MOTOR	230V
Watts* @ 50 htz:	175
RPM* @ 50 htz:	3,050
CFM* @ 50 htz (m3/hr):	1,290 (2,192)
AMPS* @ 50 htz:	1.40

*Motor data provided by motor manufacturer and is subject to change at anytime

CE ETL (certification marks) PC/ABS 7

DESIGNER SERIES RANGE
- MODEL 45/EC

COVERAGE

- Ceiling Height = 13m - 15m (43 - 49 ft)
- Nozzle Height = 12m - 14m (39 - 45 ft)
- Diameter = 12m - 15m (39 - 49 ft)
- Floor area = 111m² - 167m² (1,195 - 1,798 ft²)

MOTOR

- Single phase, electrically commutated, variable speed (with optional speed control), 92% efficient motor
- Sealed bearings, no lubrication required

OPERATING TEMPERATURES

- Operating Temp = -25°C (-13°F) to 60°C (140°F)
- Thermal shut off = 135°C (275°F)
- Reset = 125°C (255°F)

HOUSING

- Aluminium cylindrical housing
- Powder coated
- Internal PC/ABS resin fixed blade stator
- 5VA flame rating

NOISE LEVEL

- Floor Level = 0 - 49 dB(A)

INGRESS PROTECTION

- IP44 Rated

COLOUR

- Cool gray 2C - Off white as standard
- Can be tailor painted to your colour specifications

ACCESSORIES & OPTIONS

- Speed Controls - On/off speed controls allow for variable output from Airius unit. EC controls available

WARRANTY

- 5 years parts and workmanship from shipping date
- 120 day money back guarantee (T's & C's apply)

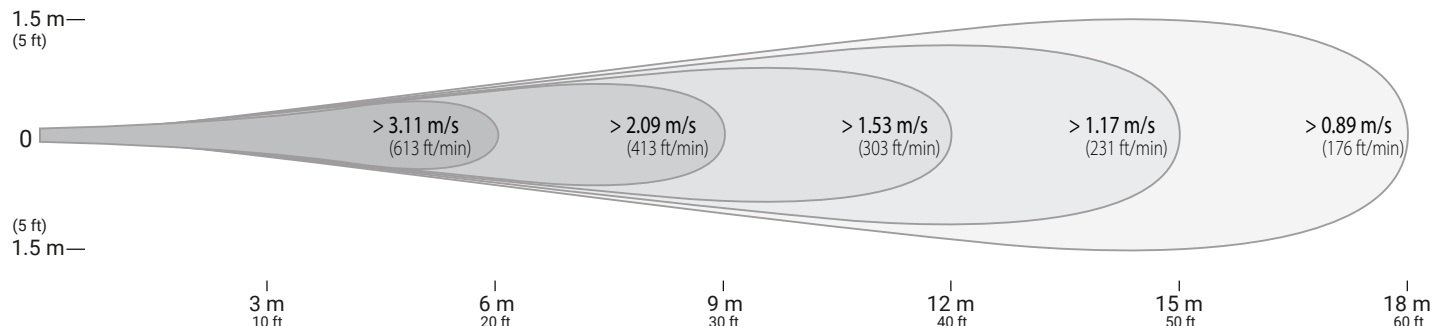Airius Europe Ltd | Holwell Farm, Cranborne, Dorset BH21 5QP | www.airius.co.uk | +44 (0)1202 554200

Puravent

Get In Touch

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PROPERTIES

VELOCITY PROFILE

1.5 m— (5 ft)

0

(5 ft) 1.5 m—

> 3.11 m/s (613 ft/min)

> 2.09 m/s (413 ft/min)

> 1.53 m/s (303 ft/min)

> 1.17 m/s (231 ft/min)

> 0.89 m/s (176 ft/min)

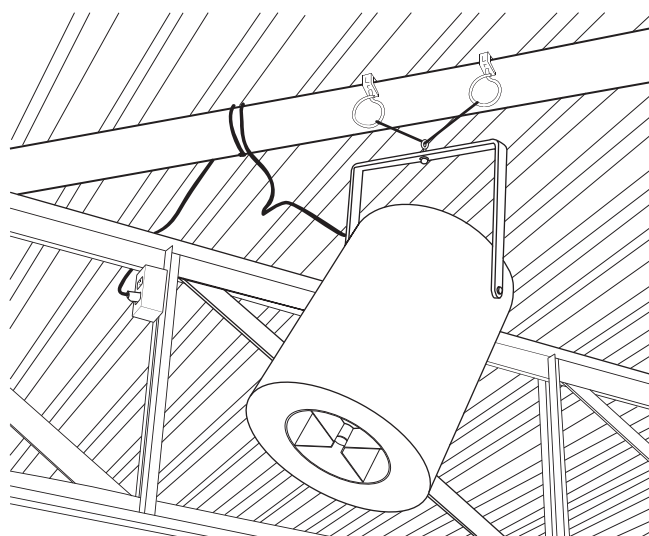3 m 10 ft | 6 m 20 ft | 9 m 30 ft | 12 m 40 ft | 15 m 50 ft | 18 m 60 ft

PLACEMENT

PREPARATION

- Install electrical circuit(s) and outlet(s) in accordance with national and local electric codes
- Outlets should generally be mounted vertically unless a "twist/locking" type is being used
- Wall switch may be installed in circuit to disable power and prevent electrical hazards when servicing
- Confirm electrical continuity of Airius unit on the ground before permanently mounting in the ceiling

INSTALLATION

- Hang vertically as high in the ceiling as possible Typically 300mm (12") - 450mm (18") from the roof deck to intake
- The Airius unit performs best when air column from the nozzle is unimpeded to the floor
- Use professionally installed hardware, capable of supporting a minimum of five times the weight
- Hardware to hang the unit includes but is not restricted to: Hooks, chains, cables, carabiners, bridle rings, beam clamps and bolts
- Density of the placement is directly related to the effectiveness, performance and savings
- Mount out of reach from people and animals
- Floor plans, mezzanines, office locations, machinery, people placement, plumbing, lighting, duct work, electrical systems, natural light/air systems, cranes, doors, windows, ventilation and fire suppression systems are all factors in properly locating the Airius system within the ceiling

OPERATION

- Designed to operate 24 hours-a-day, 7 days-a-week to maintain thermal equalization/humidity equalization
- Use optional speed control to fine tune RPM if needed

MAINTENANCE

- Frequency of cleaning will vary by application and environment
- You may clean the plastic housing with a damp warm cloth, using mild household detergents
- Do not use petroleum products, thinners or solvents to clean any part of the Airius unit
- If the Airius unit fails, contact manufacturer

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