Airius Model 10 Standard (Short) Product Information Sheet

AIRIUS
saving you energy

10S-230V

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STANDARD s e r i e s

DIMENSIONS

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

325mm (13 in)

444mm (18 in)

311mm (12 in)

SHORT

PROPERTIES

UNIT SIZE	**Short**
Weight:	3.2 kgs (7 lbs)
Height to Rim:	311 mm (12 in)
Total Height:	444 mm (18 in)
Diameter:	325 mm (13 in)

MOTOR	**230V**
Watts* @ 50 htz:	12
RPM* @ 50 htz:	980
CFM* @ 50 htz (m3/hr):	318 (540)
AMPS* @ 50 htz:	0.06

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

STANDARD SERIES RANGE
- MODEL 10 SHORT

COVERAGE

- Ceiling Height = 3m - 4.5m (10 - 15 ft)
- Nozzle Height = 2m - 3.5m (6.5 - 11.5 ft)
- Diameter = 8m - 10m (26 - 33 ft)
- Floor area = 48m² - 72m² (516 - 775 ft²)

MOTOR

- Single phase, shaded pole, single speed (variable with optional speed control), axial motor
- Sealed bearings, no lubrication required

OPERATING TEMPERATURES

- Operating Temp = -20°C (-4°F) to 70°C (158°F)
- Thermal shut off = 110°C (230°F)
- Reset = 90°C (195°F)

HOUSING

- PC/ABS Resin housing and components
- 5VA flame resistance rating
- 1.8m (6') steel safety leash cable (fastened to housing)

NOISE LEVEL

- 3 Metres = 0 - 21 dB(A)

INGRESS PROTECTION

- IP55 Rated

COLOUR

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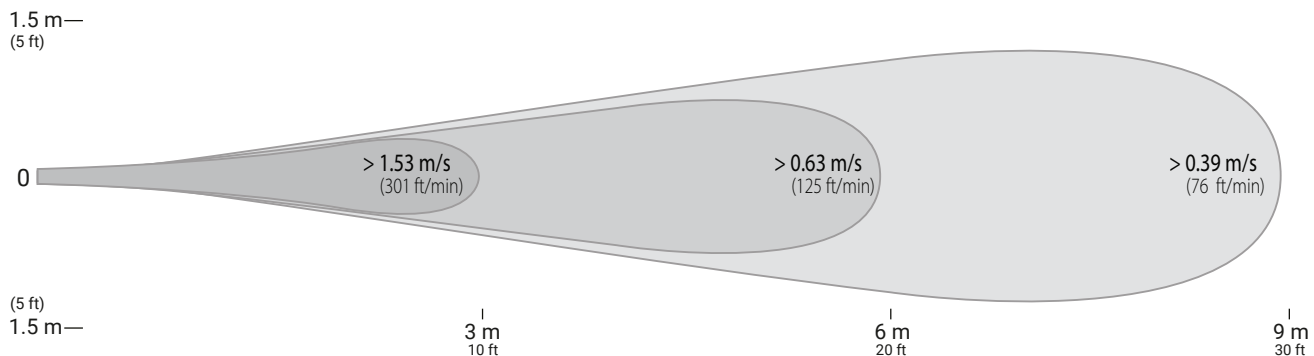
ACCESSORIES & OPTIONS

- Suspended Series kit - Allows model 10 Airius unit to be mounted in a suspended ceiling grid
- Speed Controls - On/off speed controls allow for variable output from Airius unit. 1 AMP and 5 AMP controls available

WARRANTY

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

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s e r i e s

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PROPERTIES

VELOCITY PROFILE

1.5 m—
(5 ft)

0

> 1.53 m/s
(301 ft/min)

> 0.63 m/s
(125 ft/min)

> 0.39 m/s
(76 ft/min)
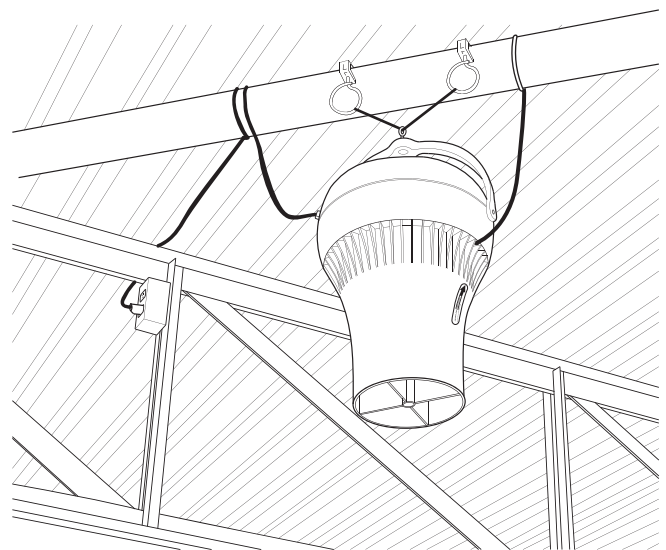
(5 ft)
1.5 m—

3 m
10 ft

6 m
20 ft

9 m
30 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