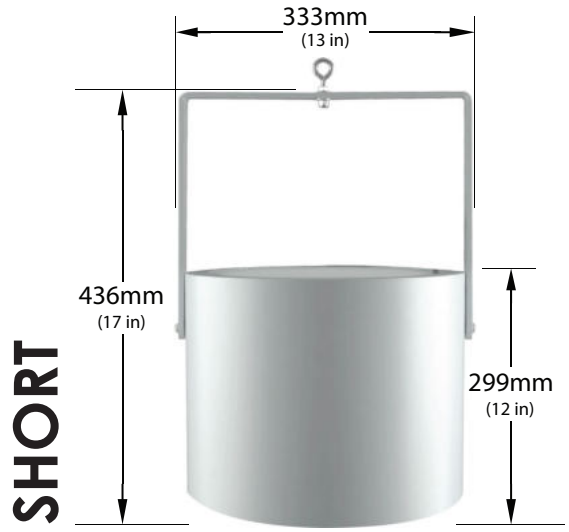
Airius Model 10 Short Product Information Sheet

10SDS-230V

DESIGNER series

DIMENSIONS

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



PROPERTIES

UNIT SIZE

	Short
Weight:	5.4 kgs (12 lbs)
Height to Rim:	299 mm (12 in)
Total Height:	436 mm (17 in)
Diameter:	333 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

DESIGNER SERIES RANGE
- MODEL 10 SHORT

COVERAGE

- Ceiling Height = 2.5m - 4m (8 - 13 ft)
- Nozzle Height = 2m - 3.5m (6.5 - 11 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

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

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

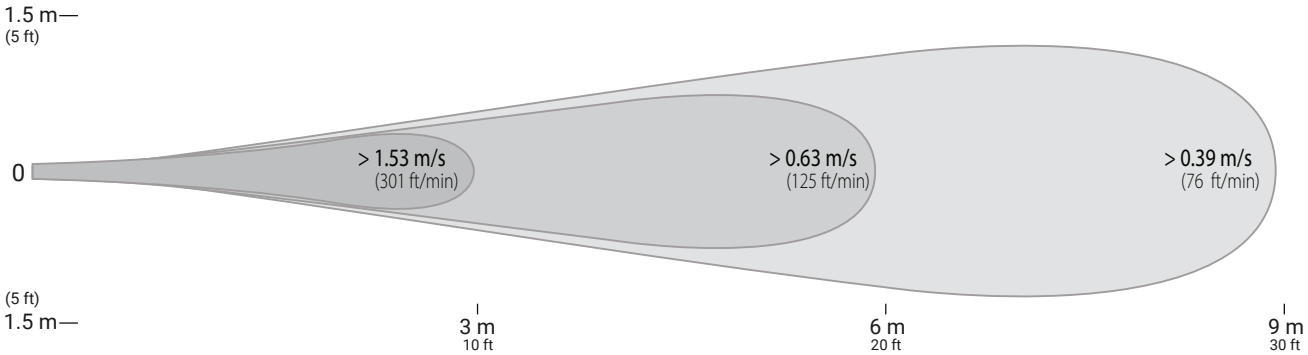
- Speed Controls - On/off speed controls allow for variable output from Airius unit. 1 AMP and 5 AMP controls available

WARRANTY

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

PROPERTIES

VELOCITY PROFILE



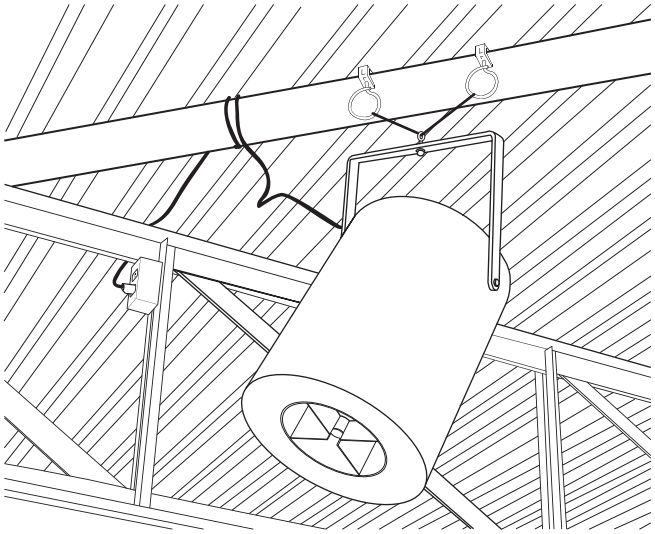
PLACEMENT

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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