

## DIMENSIONS



## PROPERTIES

UNIT SIZE	STANDARD
Weight:	6.00 kgs
Height to Rim:	343 mm
Total Height:	445 mm
Diameter:	368 mm

MOTOR	230V
Watts* @ 50 htz:	72
RPM* @ 50 htz:	1,320
L/S* @ 50 htz: (m3/hr):	500 (1,800)
Centre Line Velocity <sup>1</sup> :	1.0 m/s (@7.50 Metres)
AMPS* @ 50 htz:	0.32
Thrust*:	3.00 Newtons

\*Motor data provided by motor manufacturer and is subject to change at anytime  
<sup>1</sup>Velocity profile tested in situ

### COVERAGE

- Ceiling Height = 5m - 10m
- Diameter = 8m - 12m
- Floor area = 60m<sup>2</sup> - 120m<sup>2</sup>

For cooling applications please contact Airius Oceania for a design.

### MOTOR

- Single Phase
- 1320 RPM @ 50hz
- PS4 Four Pole Motor
- All model 50 PS4 motors are sourced from EBM PAPST

### OPERATING TEMPERATURES

- Min start temp (approx.) = - 25° C
- Maximum ambient temp = 50° C
- Overtemperature protected electronics/motor

### NOISE LEVELS

- Sound Power Level = 0-62 dB (A)
- Sound Pressure Level @ 6 mts = 38 dB
- Sound Pressure Level @ 10 mts = 32 dB

Please contact Airius for full Noise Testing Report

### INGRESS PROTECTION

- IP44 Rated

### COLOUR

- Off white as standard
- Black and grey available as option

### ACCESSORIES & OPTIONS

- Airius Transformer type speed controller 1 and 5 Amp available. 0-100% in 5 steps

### WARRANTY

- 5 years full manufacturers replacement from date of despatch. Subsequent 5 year 'half new price' rebuild cover

### STANDARDS

**Product conforming to standards:**  
EN 60335-1, EN 61800-5-1, EN 60950-1, CE

## 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

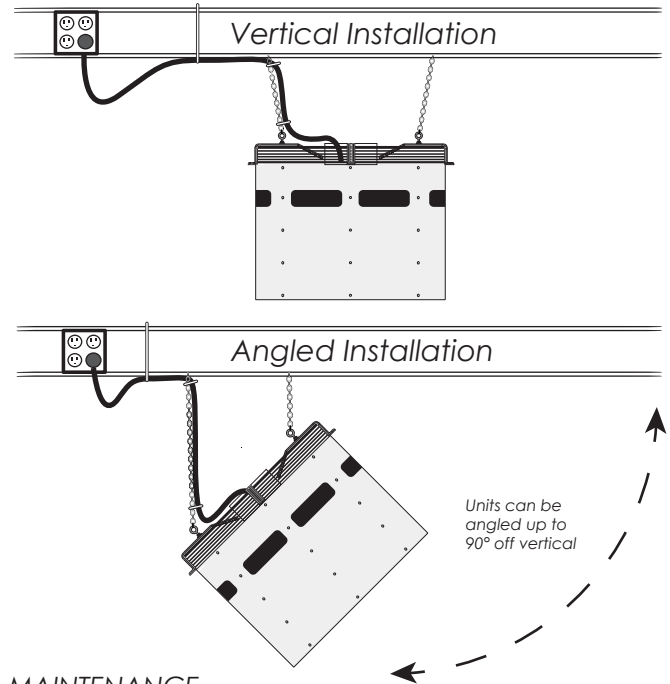
### INSTALLATION

- Hang vertically as high in the ceiling as possible. Typically 300 – 450 mm from the roof deck to intake. However, for cooling, unit can be suspended 2-3 metres below ceiling or hung from walls etc.
- 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

**NOTE:-** Air Pears must not be installed directly to structure if they are to be angled. In this case a small length of cable or wire must be used between the handle and the structure to reduce compound twisting torque on the handle.

### 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

### MATERIALS & PROPERTIES

- Constructed from recyclable materials
- The outer shell, stator and fan blades are fire rated 5VA materials
- Power cord is a 3 wire 1.02 mm diameter 300VAC rated electrical cord - CE/EU compliance rated as HO5VV
- Motor is thermally protected. Shutoff is at 135°C & reset is at 125°C
- 62dB (A) Sound Power Level
- No lubrication required. Bearings are sealed



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