

## G E M series

### DIMENSIONS



### COVERAGE

- Ceiling Height = 8m - 25m
- Diameter = 11m - 19m
- Floor area = 120m<sup>2</sup> - 300m<sup>2</sup>

For cooling applications please contact Airius Oceania for a design.

### 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 to 60°C
- Thermal shut off = 135°C
- Reset = 125°C

### HOUSING

- Rolled aluminium cylindrical housing
- Powder coated
- Internal aluminium fixed blade stator
- 5VA flame rating

### PROPERTIES

UNIT SIZE	STANDARD
Weight:	27.2 kgs
Height to Rim:	N/A
Total Height:	546 mm
Diameter:	723 mm

MOTOR	230V
Watts* @ 50 hzt:	364
RPM* @ 50 hzt:	1,006
L/S* @ 50 hzt: (m3/hr):	2,454 (8,835)
Centre Line Velocity <sup>1</sup> :	3.0 m/s (@10 Metres)
AMPS* @ 50 hzt:	1.50
Thrust*:	21.28 Newtons

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

### INGRESS PROTECTION

- IP54 Rated

### NOISE LEVELS

Sound Power Level @50 Hz = 78 dB(A)  
 Sound Pressure Level @10 mts = 50 d(B)  
 Sound Pressure Level @ 16 mts = 46 d(B)  
 Please contact Airius for full Noise Testing Report

### 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
- Full wireless control capability

### WARRANTY

- 5 years parts and workmanship from shipping date
- 5 year refurbishment program after 5 year warranty period
- 90 day money back guarantee (T's & C's apply)

## PLACEMENT

### PREPARATION

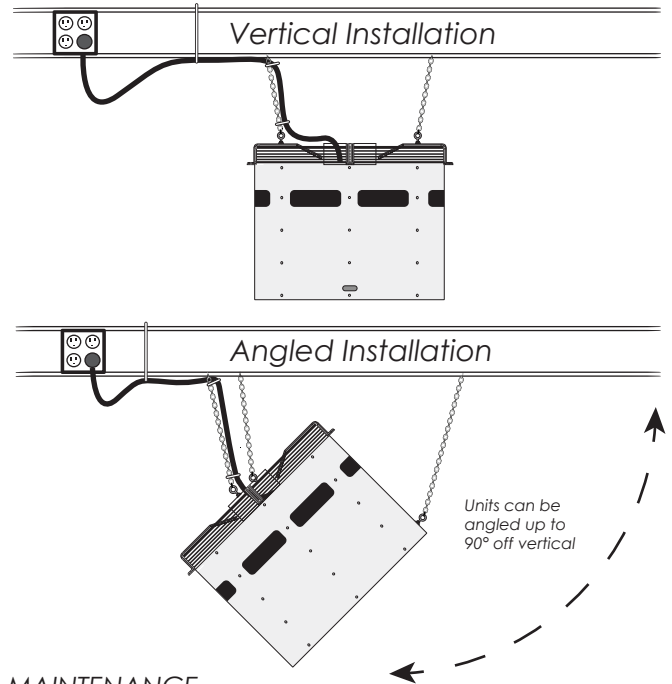
- Install electrical circuit(s) and outlet(s) in accordance with national and local electric codes
- Outlets should generally be mounted vertically unless a "twist/locking" type is being used
- Wall switch may be installed in circuit to disable power and prevent electrical hazards when servicing
- Confirm 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
- Always ensure there is no hard connection between unit and structure. Allow a small length of flexible chain or cable etc.

### 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 aluminium 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 2.0m 3 wire 18 AWG (or 16AWG) 300VAC rated electrical cord - CE/EU compliance rated as HO5VV (**PLUG NOT SUPPLIED**)
- Single phase, electrically commutated, variable speed (with optional speed control), 92% efficient motor
- Motor is thermally protected. Shutoff is at 135°C & reset is at 125°C
- Sound Power Level @50 htz 78 dB(A)
- No lubrication required. Bearings are sealed



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