

## DIMENSIONS



## PROPERTIES

UNIT SIZE	<b>Standard</b>	
	Weight:	4.1 kgs (9 lbs)
	Height to Rim:	413 mm (16 in)
	Total Height:	546 mm (22 in)
	Diameter:	325 mm (13 in)

MOTOR	<b>230V</b>	
	Watts* @ 50 hz:	31
	RPM* @ 50 hz:	1,450
	CFM* @ 50 hz (m3/hr):	459 (780)
	AMPS* @ 50 hz:	0.14

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

### COVERAGE

- Ceiling Height = 6.5m - 8m (21 - 26 ft)
- Diameter = 11m - 13m (36 - 43 ft)
- Floor area = 89m<sup>2</sup> - 133m<sup>2</sup> (958 - 1,432 ft<sup>2</sup>)

### 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 - Inc. internal fixed blade stator
- 5VA flame resistance rating
- 1.8m (6') steel safety leash cable (fastened to housing)

### NOISE LEVEL

- Floor Level = 0 - 31 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 25 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

- 3 years parts and workmanship from shipping date
- Refurbishment program after 3 year warranty period
- 120 day money back guarantee (T's & C's apply)

## PLACEMENT

### PREPARATION

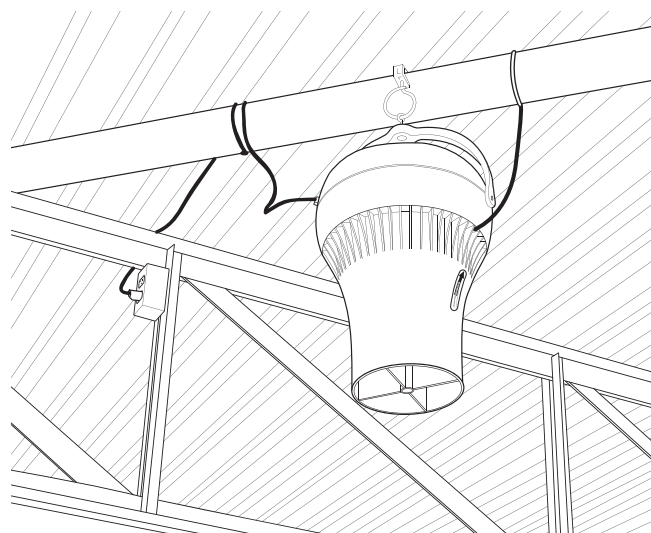
- Install electrical circuit(s) and outlet(s) in accordance with national and local electric codes
- Outlets should generally be mounted vertically unless a "twist/locking" type is being used
- Wall switch may be installed in circuit to disable power and prevent electrical hazards when servicing
- Confirm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

### MATERIALS & PROPERTIES

- Constructed from recyclable materials
- The outer shell, stator and fan blades are fire rated 5VA materials
- Power cord is a 1.8m (6') 3 wire 18 AWG (or 16 AWG) 300VAC rated electrical cord - CE/EU compliance rated as HO5VV (**PLUG NOT SUPPLIED**)
- Single phase, shaded pole, single speed (variable with optional speed control), axial motor
- Motor is thermally protected. Shutoff is at 110°C (230°F) & reset is at 90°C (195°F)
- 0 - 31 dB(A)\* at 50 htz
- No lubrication required. Bearings are sealed



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