

## DIMENSIONS



## PROPERTIES

| UNIT SIZE | <b>Standard</b> |                  |
|-----------|-----------------|------------------|
|           | Weight:         | 6.3 kgs (14 lbs) |
|           | Height to Rim:  | 455 mm (18 in)   |
|           | Total Height:   | 605 mm (24 in)   |
|           | Diameter:       | 375 mm (15 in)   |

| MOTOR | <b>230V</b>               |                |
|-------|---------------------------|----------------|
|       | Watts* @ 50 htz:          | 42             |
|       | RPM* @ 50 htz:            | 1,450          |
|       | CFM* @ 50 htz<br>(m3/hr): | 595<br>(1,010) |
|       | AMPS* @ 50 htz:           | 0.19           |

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

## STANDARD SERIES RANGE - MODEL 45/PS-4

### COVERAGE

- Ceiling Height = 8.5m - 11m (26 - 37.5 ft)
- Nozzle Height = 7.5m - 10m (24.5 - 33 ft)
- Diameter = 11m - 13m (36 - 42.5 ft)
- Floor area = 89m<sup>2</sup> - 133m<sup>2</sup> (958 - 1,432 ft<sup>2</sup>)

### MOTOR

- Single phase, permanent split capacitor, single speed (variable with optional speed control), axial motor
- Sealed bearings, no lubrication required

### OPERATING TEMPERATURES

- Operating Temp = -25°C (-13°F) to 70°C (158°F)
- Thermal shut off = 135°C (275°F)
- Reset = 125°C (255°F)

### HOUSING

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



### NOISE LEVEL

- Floor Level = 0 - 35 dB(A)

### INGRESS PROTECTION

- IP44 Rated

### COLOUR

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

### ACCESSORIES & OPTIONS

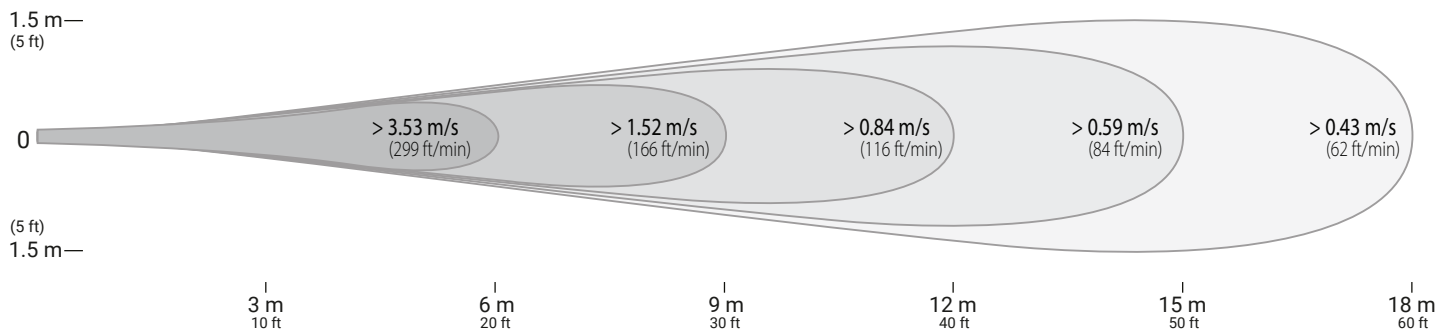
- Suspended Series kit - Allows model 45/PS-4 Airius unit to be mounted in a suspended ceiling grid
- Speed Controls - On/off speed controls allow for variable output from Airius unit. 1 AMP and 5 AMP controls available

### WARRANTY

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

## PROPERTIES

### VELOCITY PROFILE



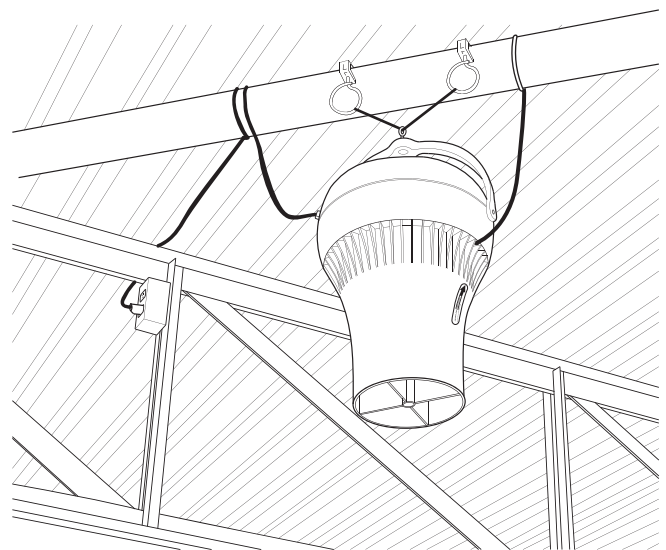
## PLACEMENT

### 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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