

## MODEL 60 DIMENSIONS



## MODEL 60 PROPERTIES

UNIT SIZE	Standard	
	Weight:	10 kgs (22 lbs)
	Height to Rim:	610 mm (24 in)
	Total Height:	813 mm (32 in)
MOTOR	Diameter:	464 mm (18.25 in)
	230V	
	Watts* @ 50 htz:	120
	RPM* @ 50 htz:	1390
	CFM* @ 50 htz (m3/hr):	1667 (2832)
	AMPS* @ 50 htz:	.57

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

### COVERAGE

- Ceiling Height = 15m - 19m (49 - 62 ft)
- Diameter = 18m - 12m (59 - 39 ft)
- Floor area = 222m<sup>2</sup> - 148m<sup>2</sup> (2,390 - 1,593 ft<sup>2</sup>)

### MOTOR

- Single Phase
- 1390 rpm @ 50hz
- EC - Electrically Commutated, 92% efficient motor
- All model 60 motors are sourced by EBM PAPST

### OPERATING TEMPERATURES

- Min start temp (approx.) = - 10° C (-14° F)
- Min running temp = - 20° C (-4° F)
- Shut off = 135° C (275° F)
- Reset = 125° C (255° F)

### NOISE LEVELS

- 3 Metres = 0 - 68dB
- Floor Level = 0 - 47dB

### INGRESS PROTECTION

- IP44 Rated

### COLOUR

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

### ACCESSORIES & OPTIONS

- Airius speed control - TRIAC speed control to adjust top end RPM

### WARRANTY

- Warranty offered - 3 years from shipping date

## MODEL 60 PLACEMENT

### PREPARATION

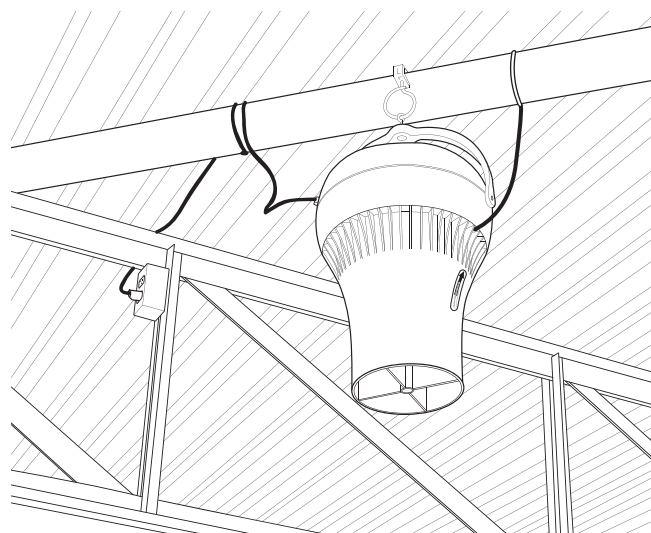
- Install electrical circuit(s) and outlet(s) in accordance with national and local electric codes
- Outlets should generally be mounted vertically unless a "twist/locking" type is being used
- Wall switch may be installed in circuit to disable power and prevent electrical hazards when servicing
- Confirm 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 12 - 18 inches 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 3 wire 18 AWG (or 16 AWG) 300VAC rated electrical cord - CE/EU compliance rated as HO5VV
- Motor is thermally protected. Shutoff is at 135°C (275°F) & reset is at 125°C (255°F)
- 0 - 68 dB(A)\* at 50 htz / 0 - 47 dB at floor level
- No lubrication required. Bearings are sealed



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