



## DDD Roof ventilators

### Direct Drive Downblast Power Roof Ventilators

- All ventilators are UL 705 listed
- One-piece removable exhaust hood
- Inlet temperatures up to 170°F
- Backward inclined aluminum fan wheel
- Equipped with a built-in bird screen to protect discharge
- Externally cooled motor compartment

### Efficient Heat Dissipation

The externally cooled motor compartment helps dissipate heat generated during operation, preventing overheating and prolonging motor lifespan.

### Robust Protection

Equipped with a built-in bird screen, the ventilators prevent the entry of birds, insects, and debris, maintaining the cleanliness and efficiency of the ventilation system.

## Certifications



### AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair certifies that the model shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Check the AMCA Certified and Listed Product Search for our products.



### Green Ventilation

Our proprietary environmental performance benchmark guides you towards the most sustainable solutions within our portfolio. Only products that meet a clear set of verifiable minimum requirements—covering aspects such as energy efficiency, indoor air quality, and safety—are eligible to carry the Green Ventilation™ label.



### UL Listed

This product is Listed by UL. UL has rigorously tested and confirmed that this product meets all of their stringent requirements. Search the UL Product iQ directory for more information about our listed products.

## Technical parameters

### Nominal data

Voltage (nominal)	115	V
Frequency	60	Hz
Phases	1~	
Input power	261	W
Input current	4	A
Impeller speed	1694	rpm
Air flow	max 1744	cfm
Temperature of transported air	max 170	°F

### Protection/Classification

Enclosure class, motor	IP54
Insulation class	B
Certificate	AMCA Air, AMCA Sound, UL Standard 705 & 762, Complies with NFPA 96

### Dimensions and weights

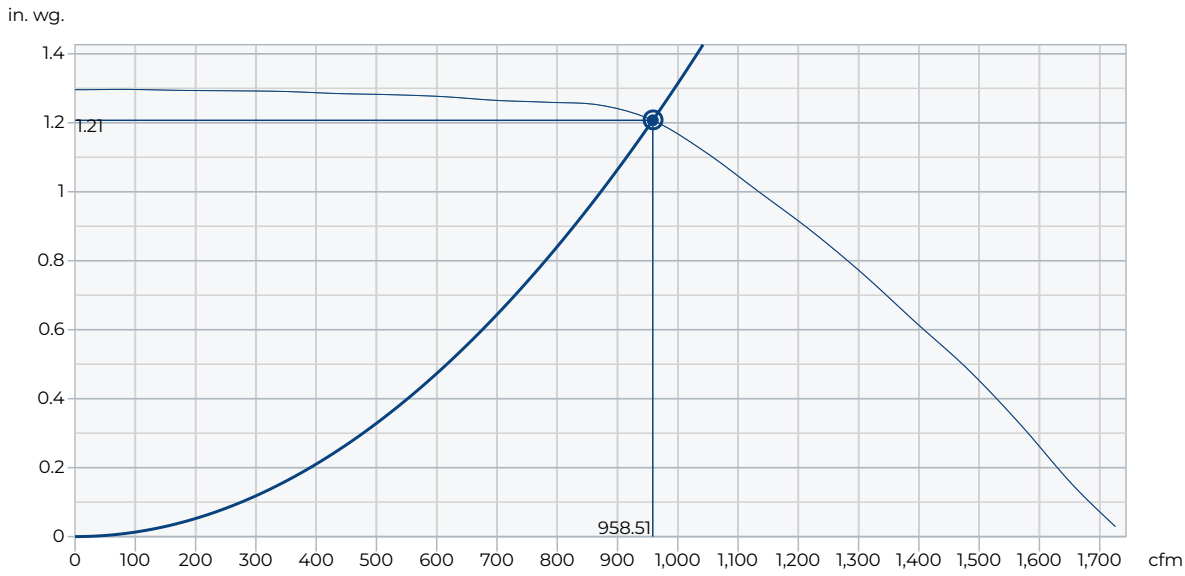
Weight	25.855	kg
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### Optional

Motor type	AC
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## Performance

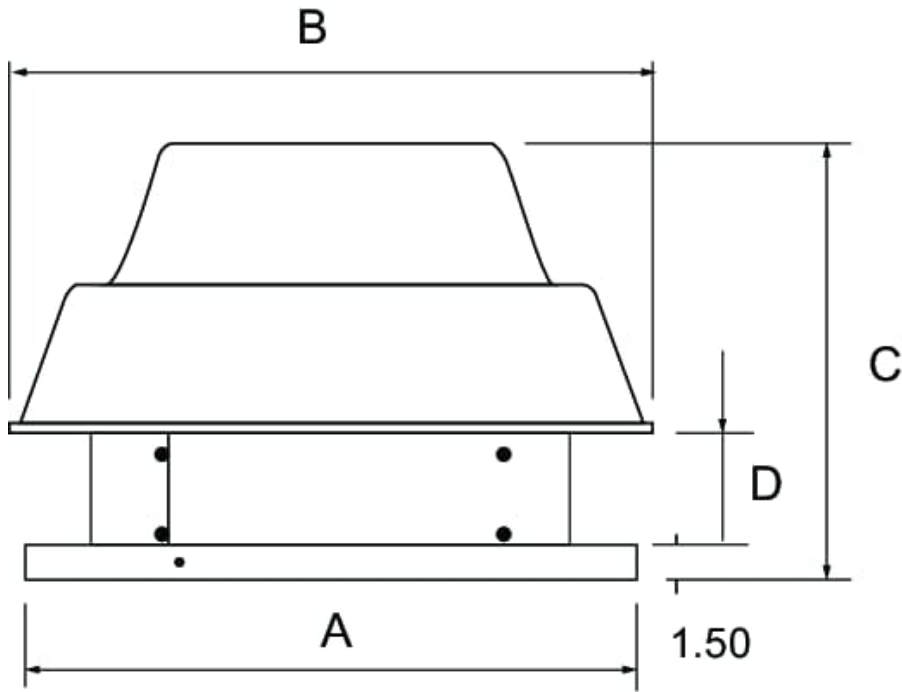
### Performance curve



### Performance data

Required air flow	959 cfm
Required static pressure	1.21 in. wg.
Working air flow	959 cfm
Working static pressure	1.21 in. wg.
Air density	0.075 lb/ft <sup>3</sup>
Power	285 W
Fan control - RPM	1,694 rpm
Airflow efficiency	3.4 cfm/W
Control voltage	115.0 V
Supply voltage	115 V

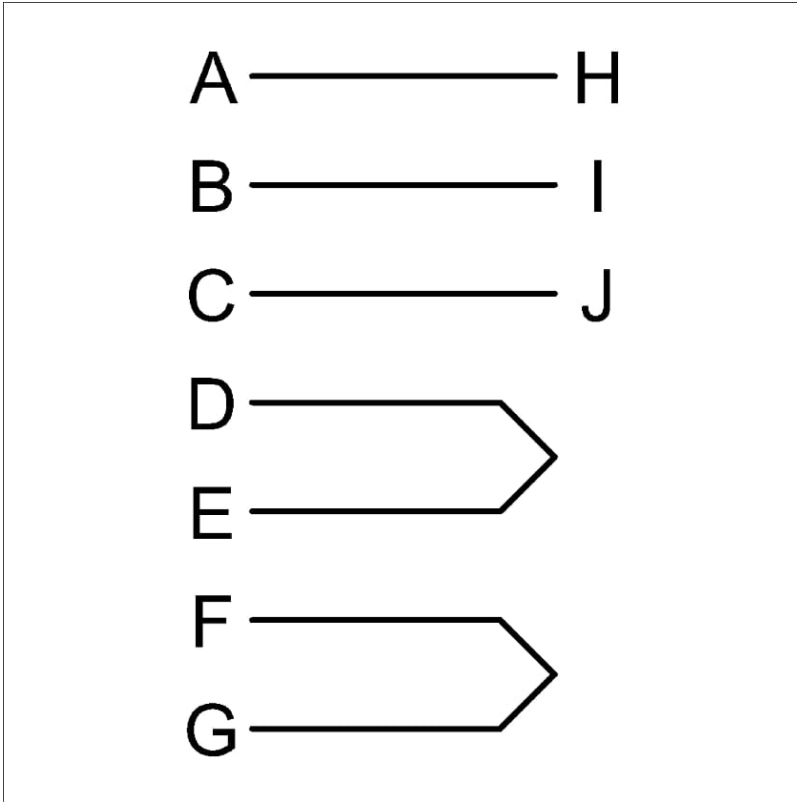
**Dimension**



Model	A	B	C	D
5DDD 085A	19	18 7/8	13 1/4	3 1/2
5DDD 106A	19	22 3/8	16 1/2	3 3/8
5DDD 10AA	19	22 3/8	16 1/2	3 3/8
5DDD 12CA	22	24 1/4	17 1/8	4
5DDD 13DB	22	25 5/8	18 1/8	4 3/8
5DDD 15CA	26	27 7/8	18 1/2	4 3/8
5DDD 16DB	26	29 3/4	20 1/4	4 3/4
5DDD 18EB	30	31 5/8	21 3/8	5 5/8

Dimensions in inches

## Wiring



## AHU Accessories

- 5ACC01MS Motor disc. switch (47182)
- 5ACC15RD Roof Mount Damper (47203)
- 5ACC20FT Fixed Non-Vented Curb (47213)
- 5ACC06SC Speed control (47189)
- 5ACC20FS Fixed Non-Vented Curb (47212)

## Documents

- 47392.dxf
- 5DDD Submittal Sheet
- 481806 PRV OIPM EN