



## FR Inline duct fans

### Low airflow resin fans for various applications

- Durable, leak-free, low-noise operation
- Corrosion and heat-resistant housing
- Indoor/outdoor use
- Built-in thermal overload protection with automatic reset
- Operable in air stream temperatures up to 140°F
- Mounting bracket and hardware included
- 5-year factory warranty
- **FR is not a Radon Mitigation Fan**

### Versatility

Designed for multi-purpose use in small to medium supply and exhaust ventilation systems in residential and commercial buildings.

### Durability and Reliability

These fans feature a durable, leak-free design, operate quietly, and provide long-lasting performance and minimal maintenance.

### Easy Installation

Mounting brackets and hardware are included for straightforward installation, streamlining the setup process for contractors.

### Accessories

Choose from a variety of duct accessories to make installation straightforward and time-efficient: fast clamps, filter boxes, silencers, shut-off dampers, and grilles.

## Certifications



### 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.



### Energy Star

Independently certified to meet strict standards for energy efficiency set by the United States Environmental Protection Agency (US EPA) and Department of Energy (DoE).



### HVI Certified

HVI certification is a voluntary third-party certification programme to verify performance of residential ventilation products, in accordance with HVI/ANSI consensus test standards. Visit the HVI-Certified Products Directory to learn more.

## Technical parameters

### Nominal data

Voltage (nominal)	120	V
Frequency	60	Hz
Phases	1~	
Input power	105	W
Input current	0.9	A
Impeller speed	2296	rpm
Air flow	max 337	cfm
Temperature of transported air	max 140	°F

### Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

### Dimensions and weights

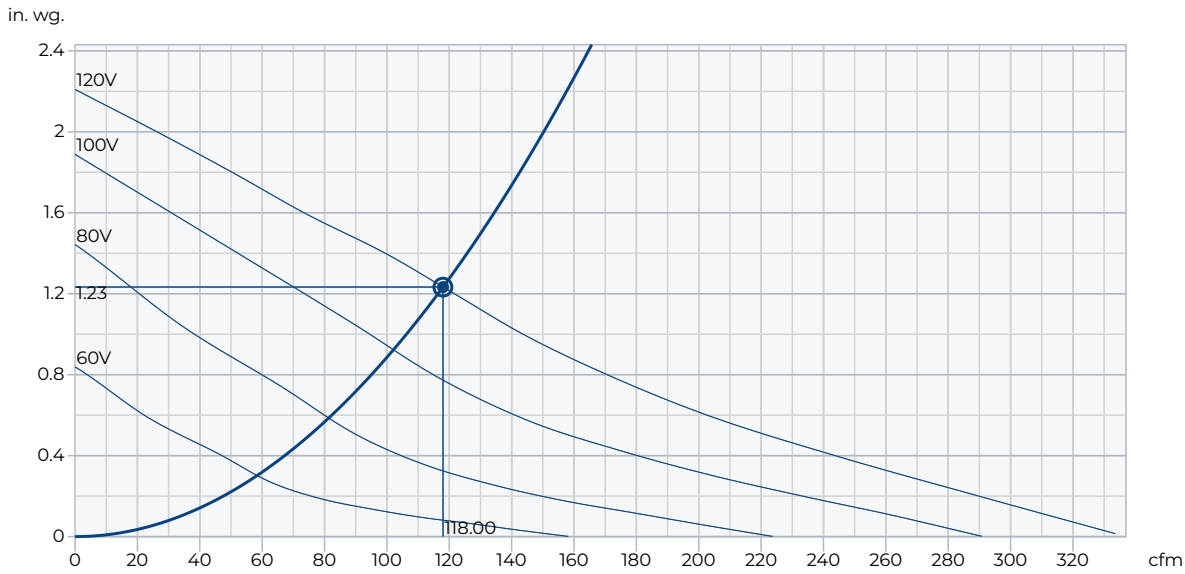
Duct dimension; Circular, inlet	6	in.
Duct dimension; Circular, inlet	6	in.
Duct dimension; Circular, outlet	6	in.
Duct dimension; Circular, outlet	152	mm
Weight	2.835	kg

### Optional

Duct connection type	Circular	
Motor type	AC	
Material	Plastic	

## Performance

### Performance curve

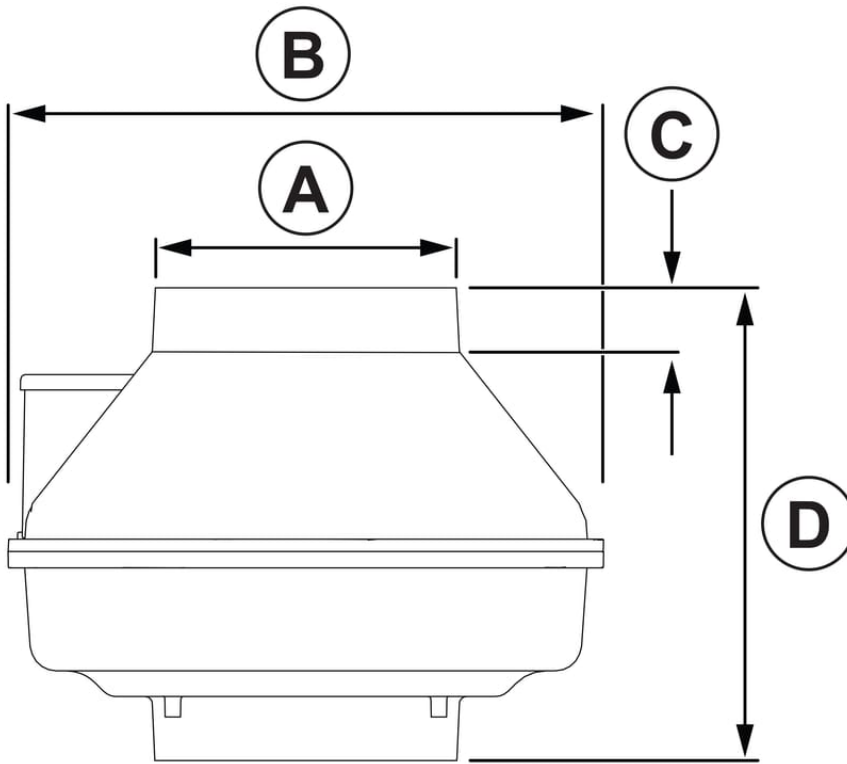


### Performance data

Required air flow	118 cfm
Required static pressure	1.23 in. wg.
Working air flow	118 cfm
Working static pressure	1.23 in. wg.
Air density	0.075 lb/ft <sup>3</sup>
Power	99 W
Fan control - RPM	2,558 rpm
Current	0.84 A
Airflow efficiency	1.2 cfm/W
Supply voltage	120 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	30	51	55	61	61	60	55	46	66
Outlet	dB(A)	38	48	63	62	63	62	58	49	69

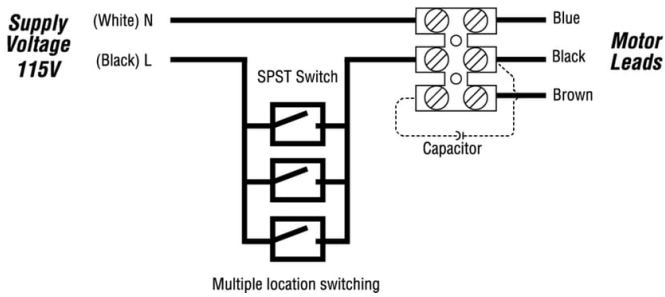
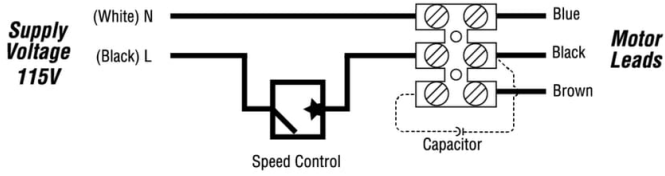
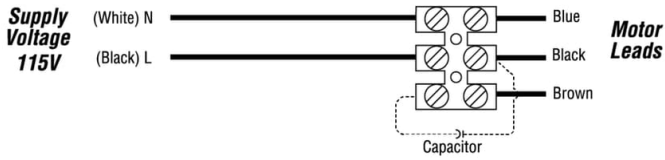
**Dimension**



Model	A	B	C	D
FR 140	5 7/8 (149)	11 1/2 (295)	1 1/4 (32)	9 1/4 (234)
FR 150	5 7/8 (149)	11 1/2 (295)	1 1/4 (32)	9 1/4 (234)
FR 160	5 7/8 (149)	11 1/2 (295)	1 1/4 (32)	9 1/4 (234)

Dimensions are in inches (mm)

**Wiring**



## AHU Accessories

- DHS 05 Humidity/Fan control (494044)
- IPF05 Speed control (484164)
- IG 6 Inlet Guard (411109)
- RSK 6 Backdraft Damper (411114)
- IR 6 Iris Damper (411236)
- WC 15 Speed control (411102)
- PT6 Attic Thermostat (494085)
- HS 6W External Louver Exhaust (45153)
- LD 6 Silencer (411284)
- FC 6 Mounting Clamps (2 pcs) (411120)

## Documents

- E2326 FG-FR-FKD BR EN pages
- FR\_CSL\_SPECIFICATION.ZIP
- 401444 FR OIPM EN FR ES
- 450371 FR Submittal Sheet EN

## CSI Specification

Please note that the CSI Specification has been moved under the Documentation Tab.