

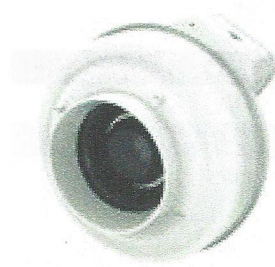
# FR Series\*

## Inline Centrifugal Fans

FR 100, FR110, FR125



FR 140, FR 150, FR160



FR 200, FR 225, FR 250



- Airflow up to 650 cfm
- Vibration welded seam ensures leak proof housing
- Approved for wet locations
- Air stream temperatures up to 140 °F

### Application

The FR Series is a versatile inline duct fan. These models can be used for multiple point exhaust, residential and commercial applications, crawl space venting or make-up air supply. They are also widely used as booster fans to move air from one room or area to another.

### Design

All models (except for FR 200, FR 225 and FR250) feature a fully sealed plastic housing. The housing is joined via a vibration welding process. The process uses transverse, reciprocating motion at the point of contact between the housing's inlet and outlet pieces. The friction produces heat that melts the thermoplastic material at the interface. The melted material quickly re-solidifies, resulting in a fused, single-piece housing. The fused seam is inherently air tight, very strong and permanent. No screws or adhesive is used to join the housing pieces. An air-tight fan ensures that efficiency is not lost and contaminants are not spilled due to leakage.

The fan to be mounted in outdoor and wet locations. The FR Series features external rotor motors that have proven dependable year after year.

A large electrical wiring enclosure is designed into the fan housing, making electrical installation easier.

### Motor protection

Thermal overload protected with automatic reset. The fans can be controlled via a solid state speed controller.

### Certification

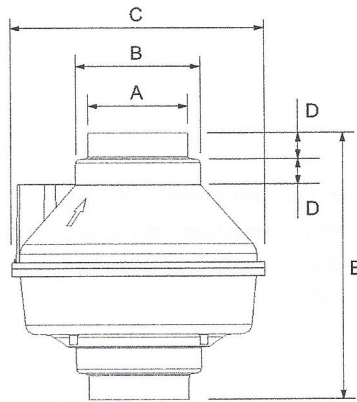


### Specification data

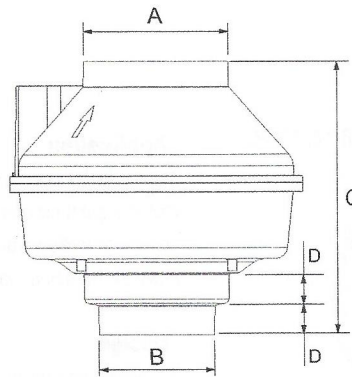
Model*	Duct size	Rated power	Voltage / phase	Max. amps	0.0" P <sub>s</sub>	0.4" P <sub>s</sub>	0.6" P <sub>s</sub>	0.8" P <sub>s</sub>	1.0" P <sub>s</sub>	1.5" P <sub>s</sub>	Max P <sub>s</sub>	Shipping weight	Shipping class	Item #	List price
	inch	W	V / ~	A	cfm						in.wg	lbs			USD
FR 100	4	19	120 / 1	0.17	151	94	63	20	-	-	0.89	6	1	411330	184.-
FR 110	4	80	120 / 1	0.72	187	150	128	112	95	50	2.00	7	1	411331	204.-
FR 125	5	20	120 / 1	0.17	172	98	63	15	-	-	0.85	6	1	411332	192.-
FR 140	6	62	120 / 1	0.53	226	174	138	104	55	-	1.13	8	1	411333	201.-
FR 150	6	68	120 / 1	0.59	327	247	200	163	118	37	1.70	8	1	411334	209.-
FR 160	6	116	120 / 1	0.99	345	252	197	157	135	110	2.00	8	1	411335	263.-
FR 200	8	122	120 / 1	1.11	408	308	259	213	173	72	2.14	10	1	411336	292.-
FR 225	8	137	120 / 1	1.35	429	366	332	297	260	168	2.48	11	1	411337	341.-
FR 250	10	241	120 / 1	2.40	649	553	506	454	403	294	2.58	13	1	411338	390.-

Performance shown is for installation type D - Ducted inlet, Ducted outlet. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the airstream.  
 \*FR 100, FR125 and FR150 earned the ENERGY STAR® by meeting strict efficiency guidelines.

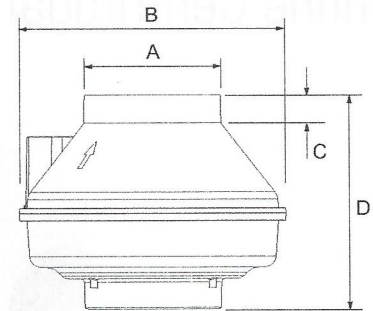
## Dimensions



FR 100 / 110 / 200 / 225



FR 125



FR 140 / 150 / 160 / 250

Model	A	B	C	D	E
FR 100 / 110	3 31/32	4 31/32	10	1	10 9/16
FR 125	5 31/32	3 31/32	9 3/8	1	-
FR 200 / 225	8	10	13 1/4	1 1/2	12 1/4

All dimensions in inches.

Model	A	B	C	D
FR 140 / 150	5 7/8	11 1/2	1 1/4	9 1/4
FR 160	5 7/8	11 1/2	1 1/4	9 1/4
FR 250	10	13 1/4	1 1/2	9 1/4

## Accessories



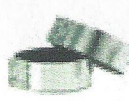
**ADC**  
Shut-off Damper  
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**RSK**  
Backdraft Damper  
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**FGR**  
Filter Cassette  
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**FC**  
Mounting Clamps  
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**LD**  
Silencer  
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**IR**  
Iris Damper  
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**EM-WX**  
Electrical Heater  
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**FML**  
Intake Hood  
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**FTD 7**  
7 Day Timer  
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**FD 60EM**  
Electronic Timer  
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**SCD**  
Speed Control  
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**WC 15**  
Speed Control  
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**FH 20**  
Dehumidistat  
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