FR Series
Inline Exhaust Fans

Fantech's versatile FR Series Inline Fans provide the ideal answer for a variety of air movement problems in residential and commercial applications. The fans feature a plastic housing constructed of UL-recognized, UV protected thermoplastic resin. This tough protective shell allows the fan to be mounted in outdoor and wet locations*. FR fans feature external rotor motors that have proven dependable year after year. Fan is fully caulked to prevent moisture from entering the housing.

Applications

FR fans can be used for multiple point exhaust 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.

Air-tight seam

The FR series inline fans are joined via a vibration welding process. This welding process results in a fused, single-piece housing. The fused seam is inherently air tight, very strong and permanent. An air-tight fan ensures that efficiency is not lost and contaminants are not spilled due to leakage.
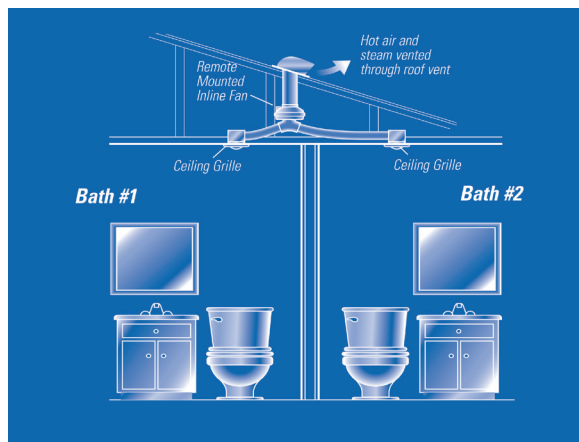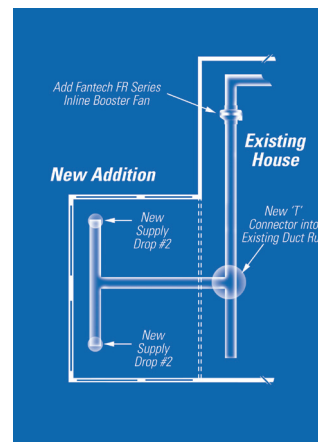
Features and Benefits

- 137 to 649 CFM
- 4" to 10" (102 to 254 mm) duct diameter
- Supplied with a mounting bracket for easy installation
- Approved for residential and commercial applications and for wet locations

- Suitable for airstream temperatures up to 140° F (60°C)
- Easy connection using external wiring box with waterproof gasket
- 100% speed controllable
- UL Listed
- 5 year warranty

Applications

Dual bath applications - commercial or residential

Hot air and steam vented through roof vent

Remote Mounted Inline Fan

Ceiling Grille

Ceiling Grille

Bath #1

Bath #2

New addition

Add Fantech FR Series Inline Booster Fan

Existing House

New Addition

New Supply Drop #2

New 'T' Connector into Existing Duct Run

New Supply Drop #2

*The FR Series is not manufactured to operate with water running through the motor compartment, or to be used in applications where the fan would be buried underground. A UL-recognized waterproof conduit should be used for all outdoor applications to prevent moisture entry via knowckout in wiring.
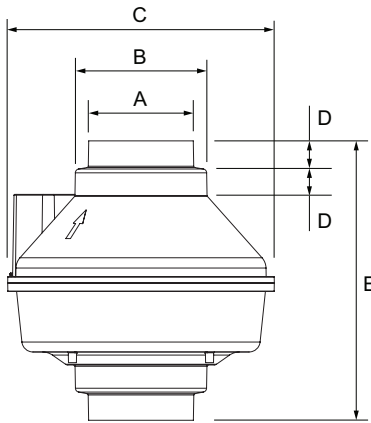
Specification Data

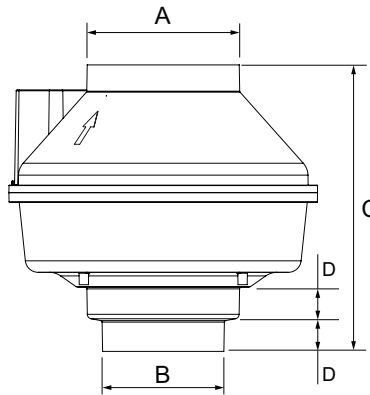| Model	ENERGY STAR	Rated power	Voltage / phase	Max amps	0.0" P_s	0.2" P_s	0.4" P_s	0.6" P_s	0.8" P_s	1.0" P_s	1.5" P_s	Max P_s	Shipping weight	
		W	V / ~	A	cfm							in.wg	lbs	kg
FR100	•	19	120/1	0.17	150	122	93	62	17	-	-	0.9	6	3
FR110		80	120/1	0.72	187	167	147	128	111	87	50	2.0	7	3
FR125	•	19	120/1	0.17	171	137	96	60	-	-	-	0.85	6	3
FR140	•	61	120/1	0.53	214	190	162	132	99	46	-	1.15	8	4
FR150	•	68	120/1	0.59	323	286	243	199	160	122	38	1.7	8	4
FR160		116	120/1	0.99	341	295	249	198	160	130	76	2.0	8	4
FR200		122	120/1	1.11	408	360	308	259	213	173	72	2.14	10	5
FR225		137	120/1	1.35	429	400	366	332	297	260	168	2.48	11	5
FR250		241	120/1	2.40	649	600	553	506	454	403	297	2.58	13	6

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 appurtanances in the airstream.
• This products earned the ENERGY STAR® by meeting strict efficiency guidelines.
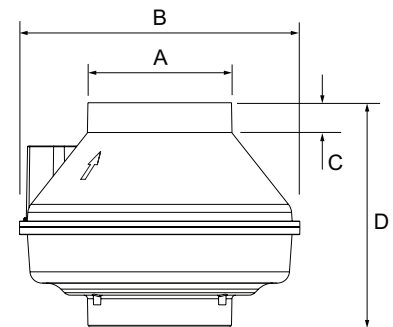
Dimensions

FR 100 / 110 / 200 / 225

FR 125

FR 140 / 150 / 160 / 250

Model	A	B	C	D	E
FR 100 / 110	3 31/32 (111)	4 31/32 (127)	10 (256)	1 (25)	10 9/16 (268)
FR 125	5 31/32 (152)	3 31/32 (101)	9 3/8 (238)	1 (25)	-
FR 200 / 225	8 (203)	10 (250)	13 1/4 (337)	1 1/2 (38)	12 1/4 (311)

Model	A	B	C	D
FR 140 / 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)
FR 250	10 (250)	13 1/4 (337)	1 1/2 (38)	9 1/4 (235)

All dimensions in inches (mm).

Accessories

FC
Mounting Clamps

FTD 7
7 Day Timer

FD 60EM
Electronic Timer

SCD
Speed Control

WC 15
Speed Control

FH 20
Dehumidistat

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