

Ventilation Solutions

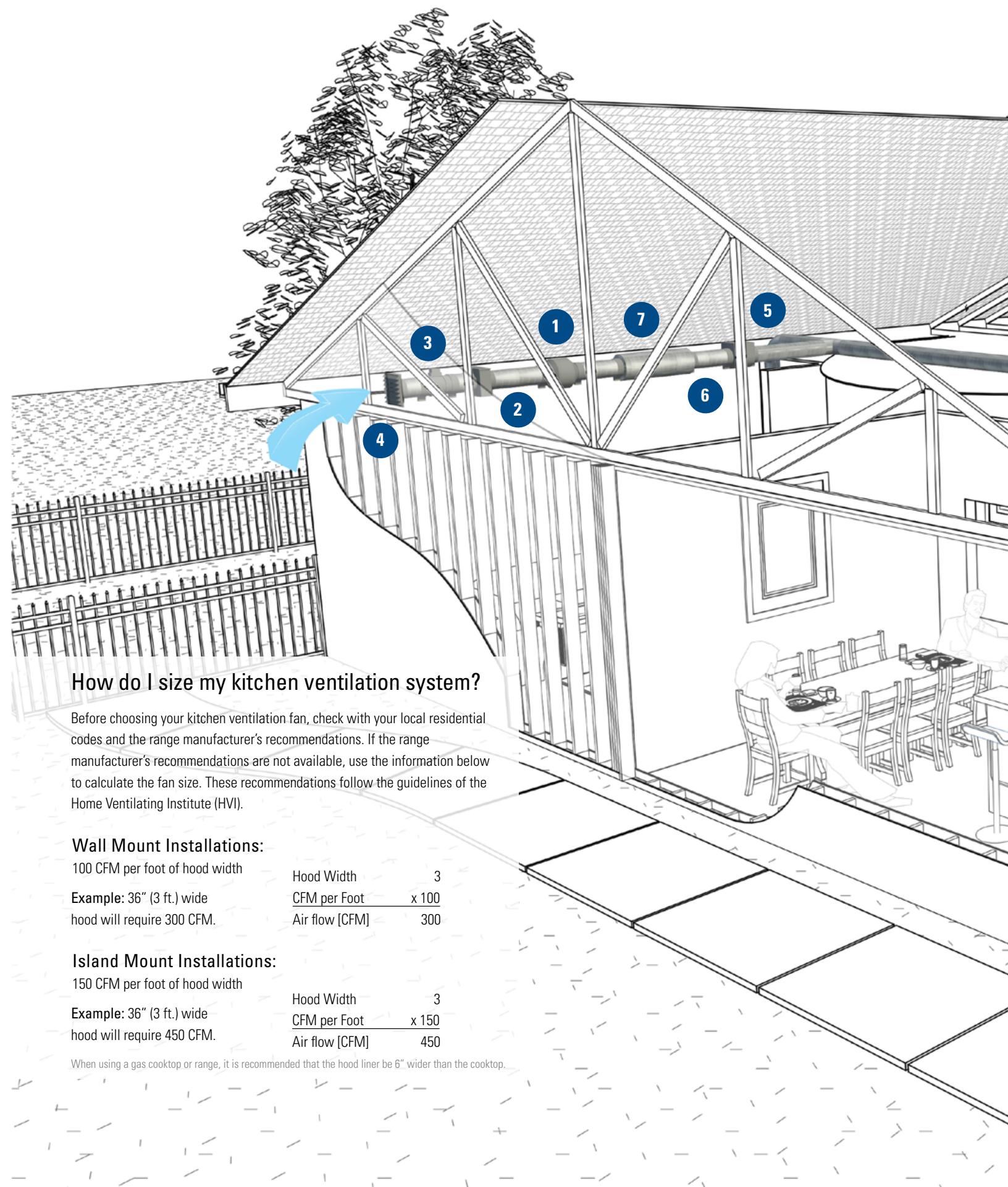
Kitchens



Today's kitchens have become much more than a place for cooking and food preparation. The kitchen is the heart of the home. It's the center of activity for the entire family as well as the ideal place to congregate for informal entertaining.

Let Fantech show you how to keep the kitchen clear of smoke, grease, steam and odors with a ventilation system that works quietly and effectively.





How do I size my kitchen ventilation system?

Before choosing your kitchen ventilation fan, check with your local residential codes and the range manufacturer's recommendations. If the range manufacturer's recommendations are not available, use the information below to calculate the fan size. These recommendations follow the guidelines of the Home Ventilating Institute (HVI).

Wall Mount Installations:

100 CFM per foot of hood width

Example: 36" (3 ft.) wide hood will require 300 CFM.

Hood Width	3
CFM per Foot	x 100
Air flow [CFM]	300

Island Mount Installations:

150 CFM per foot of hood width

Example: 36" (3 ft.) wide hood will require 450 CFM.

Hood Width	3
CFM per Foot	x 150
Air flow [CFM]	450

When using a gas cooktop or range, it is recommended that the hood liner be 6" wider than the cooktop.

Balanced ventilation

makes your kitchen a dream

Every time an exhaust fan removes air from your home an equal volume of air must enter, this is called makeup air. Homes today are built to tighter standards resisting infiltration from outside air. With little to no leakage in the building envelope, where does a powerful range hood get its makeup air? If the home does not have enough random air leaks around the windows and doors, the makeup air is often pulled backwards from the chimney or water heater flue, this is called backdrafting. Since flue gasses from some combustion appliance can include carbon monoxide, backdrafting is dangerous and in some cases can be life threatening.

Kitchen Exhaust Solution

1. Inline exhaust fan
6. Silencer
8. Roof cap ²
9. Kitchen hood ³

¹ optional for cold climates

² supplied by others

³ kitchen hood liners can support fans with total max amperage of 6 Amps

Your makeup air solution should be simple, yet effective. Your Fantech makeup air system, along with your Fantech Inline Kitchen exhaust solution, will be quiet, comfortable and reliable.

Under ideal conditions, even while preparing the largest and most demanding meals, your kitchen remains ventilated without pulling in air from every cracked window or crevice in your home.

Makeup Air Solution

1. Inline supply fan
2. Filter cassette
3. Shut-off damper
4. Intake wall hood
5. Inline duct heater ¹
6. Silencer
7. Fast clamps

FG Series

Inline Centrifugal Fans

Inline duct fans designed with airtight galvanized steel housings. Ideal for use with smaller, standard size ranges. Available in sizes from 303 CFM to 940 CFM. Duct sizes from 6" to 12".

- Speed-controllable
- Built-in thermal overload protection with automatic reset
- Can be installed in any position and outdoors
- Mounting bracket and hardware included



Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Specification data

Model*	Rated power	Voltage / phase	Max amps	RPM	0.0" P _s	0.1" 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	2.0" P _s	Max P _s	Shipping weight	Item #
	W	V / ~	A	min ⁻¹	cfm									in.wg	lbs	
FG 6	72	120 / 1	0.68	2700	303	287	270	232	196	164	134	58	-	1.88	10	40406
FG 6XL	153	120 / 1	1.48	2900	483	466	450	409	369	329	289	201	103	2.41	12	40407
FG 8	119	120 / 1	1.14	2550	461	435	410	351	295	243	191	97	-	2.11	12	40408
FG 8XL	142	120 / 1	1.45	2950	502	486	470	428	388	351	313	218	100	2.40	13	40409
FG 10	138	120 / 1	1.43	3000	513	497	480	444	407	366	324	216	89	2.36	12	40410
FG 10XL	196	120 / 1	1.96	3100	589	574	560	531	503	472	441	355	257	3.02	14	40411
FG 12	181	120 / 1	1.87	2600	741	711	680	601	515	434	363	236	146	2.99	18	40412
FG 12XL	301	120 / 1	3.01	2900	940	910	880	819	746	670	596	425	259	2.74	21	40413

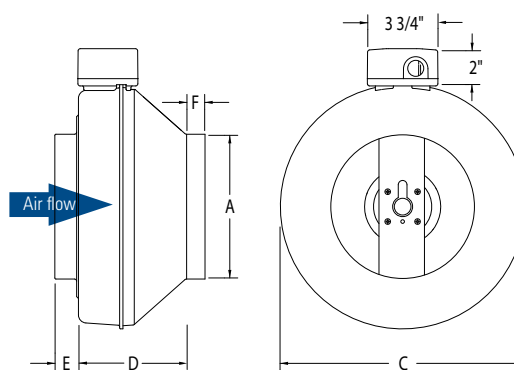
Performance shown is for installation type D - Ducted inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the (accessories).

* This product earned the ENERGY STAR® by meeting strict efficiency guidelines. All models meets ENERGY STAR® requirements.

Dimensions

Model	A†	C	D	E	F
FG 6	6	11 3/8	6 1/4	1	7/8
FG 6XL	6	13 1/8	7	1	1
FG 8	8	13 1/4	6	1	1
FG 8XL	6	13 1/4	6	1 1/8	1
FG 10	10	13 1/4	4 3/4	1 1/8	1
FG 10XL	10	13 1/4	4 13/16	1 1/4	1
FG 12	12	16	6 11/16	1 1/4	1
FG 12XL	12	16	6 11/16	1 1/2	1

† Duct connections are 1/8" smaller than duct size. Dimensional information is in inches.



Accessories



FC
Mounting Clamp
page 11



LD
Silencer
page 11



RSK
Backdraft Damper
page 11



RC
Roof Cap
page 11



SHL/SGHL
Hood Liner
page 10

FKD Series

Inline Centrifugal Fans

Powerful, smooth running mixed flow centrifugal fans designed for kitchen ventilation systems.

Galvanized steel housings. The perfect size for use with commercial style ranges.

Models from 836 CFM to 1016 CFM. Duct sizes from 8" to 12".

- High efficiency impeller generates low noise
- 100% speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Airstream temperatures up to 140 °F



Fantech, Inc. and Fantech Limited certify that the FKD Series 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.

Specification data

Model	Rated power	Voltage / phase	Max amps	RPM	0.0" P _s	0.25" P _s	0.50" P _s	0.75" P _s	1.0" P _s	1.5" P _s	2.0" P _s	Max P _s	Sones ¹	Shipping weight	Item #
	W	V / ~	A	min ⁻¹	cfm							in.wg		lbs	
FKD 8XL	327	120 / 1	2.99 ¹	2700	836	761	680	595	499	286	-	2.50	14.1	20	40012
FKD 10	329	120 / 1	3.01 ¹	2700	910	836	752	653	547	342	-	2.60	15.3	19	40014
FKD 10XL	529	120 / 1	4.48 ¹	2850	1266	1187	1100	1006	911	696	460	3.08	21.0	25	40013
FKD 12	531	120 / 1	4.86 ²	2900	1305	1228	1145	1054	948	712	479	3.08	23.0	24	40016

Performance certified 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 (accessories).

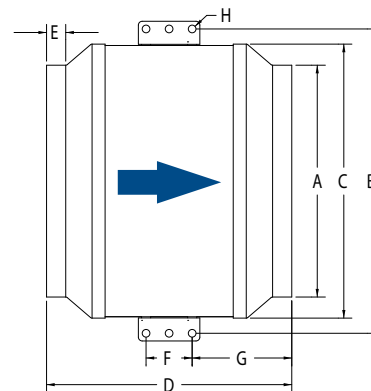
¹ The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type D: ducted inlet hemispherical fan sone levels. Ratings do not include the effect of duct end correction. All sone values shown are calculated at 0.5" (static pressure in inches W.G.)

²Recommended speed control rating 5A ²Recommended speed control rating 10A

Dimensions

Model	A	B	C	D	E	F	G	H
FKD 8XL	8	14	12 1/2	15 1/2	3/4	2 3/8	6 1/8	3/8
FKD 10	10	14	12 1/2	15 1/2	3/4	2 3/8	5	3/8
FKD 10XL	10	15 5/8	14	15	3/4	2 3/8	6 3/8	3/8
FKD 12	12	15 5/8	14	12 1/2	3/4	2 3/8	5 1/8	3/8

Dimensional information is in inches.



Accessories



FC
Mounting Clamp
page 11



LD
Silencer
page 11



RSK
Backdraft Damper
page 11



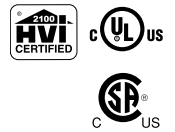
SHL/SGHL
Hood Liner
page 10



RC
Roof Cap
page 11

RVF Series

Exterior-Mount Fan



Exterior mounted exhaust fans can provide the perfect solution when space is at a minimum. Ideal for homes, condominiums and apartment complexes. Fans mount on an exterior wall. Models are available from 242 CFM to 435 CFM. Duct sizes - from 4" to 8".



- Wall mounted fan
- For high moisture, lint and dust laden air
- Excellent motor heat dissipation
- Permanently lubricated sealed ball bearings
- Ambient noise is kept outside

Specification data

Model	Duct size	Rated power	Voltage / phase	Max. amps	0.0" P _s	0.1" 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	Shipping weight	Item #
	inch	W	V / ~	A	cfm								lbs	
RVF 6	6	92	120 / 1	0.84	242	220	204	177	150	123	68	-	10	40042
RVF 6XL	6	149	120 / 1	1.46	381	360	346	315	285	258	213	64	14	40043
RVF 8XL	8	151	120 / 1	1.42	435	410	392	348	312	282	235	102	14	40044

Performance shown is for installation type with duct inlet Per HVI'S Certified rating program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at 0.2 inches WG. RVF Series performance is shown with ducted inlet. This product is not UL listed for dryer exhaust.

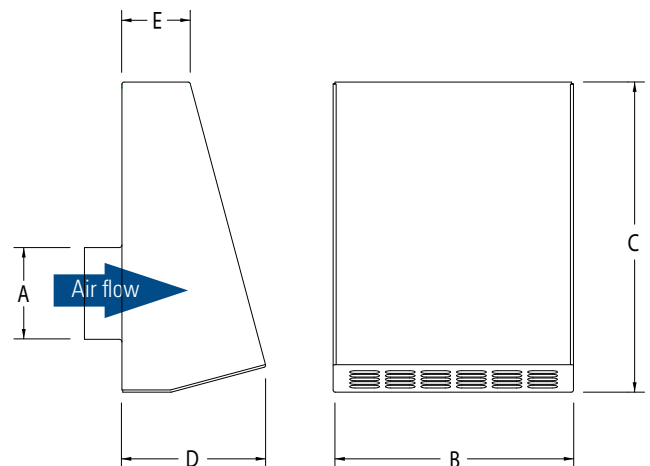
* Energy Star® qualified

Dimensions

Model	A [†]	B	C	D	E
RVF 6	5 7/8	10 1/4	13	6	2 3/4
RVF 6XL	5 7/8	10 1/4	17	6	2 3/4
RVF 8XL	7 7/8	14 1/4	17	6	2 3/4

Dimensional information is in inches.

[†] Duct connections are 1/8" smaller than duct size.



Accessories



FC
Mounting Clamp
page 11



SHL/SGHL
Hood Liner
page 10

RE(C) Series

Exterior Roof/Wall Centrifugal Fans

Direct drive centrifugal fans provide an excellent solution for residential or commercial ventilation applications where the fan must be mounted on the exterior of the building. RE/REC models mount on a curb. Models are available from 227 CFM to 1008 CFM. Duct sizes - from 5" to 10".

- Airflows up to 1008 cfm
- 100% speed-controllable
- Suitable for airstream temperatures of up to 140° F
- Excellent heat dissipation for long motor life
- Built-in thermal overload protection with automatic reset



Fantech, Inc. and Fantech Limited certify that the RE (C) Series 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.

Specification data

Model	Rated power	Voltage / phase	Max. amps*	RPM	0.0" P _s	0.25" P _s	0.50" P _s	0.75" P _s	1.0" P _s	1.5" P _s	Max P _s	Sones†	Shipping weight	Item #
	W	V / ~	A	min ⁻¹	cfm						in.wg		lbs	
RE 54 / REC 54	19	120 / 1	0.18	3040	116	92	65	36	1	-	-	3.5*	11	40228 / 40229
RE 6 / REC 6	87	120 / 1	0.80	2700	227	199	169	134	106	-	1.84	7.5*	14	40045 / 40046
RE 8XL / REC 8XL	153	120 / 1	1.40	2800	409	356	307	259	212	130	2.23	8.9*	19	40047 / 40098
RE 10XL / REC 10XL	394	120 / 1	3.60	3250	753	721	690	656	622	548	4.03	16.4 †	31	40215 / 40099
RE 10XLT / REC 10XLT	531	120 / 1	4.86	2950	1008	949	890	831	766	609	3.17	21.0 †	33	40230 / 40231

Performance certified for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

† The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical fan sone levels.

* Sone value shown was calculated at 0.5" (static pressure in inches W.G.).

† Sone value shown was calculated at 0.75" (static pressure in inches W.G.).

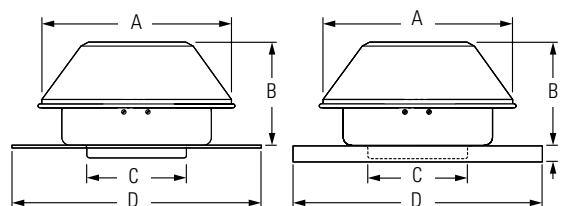
Dimensions

Model	A	B	C	D	E ²
RE 54 / REC 54 ¹	10 15/16	6	5	15 1/2	1 1/2
RE 6 / REC 6	13 15/16	6 1/4	6	15 1/2	1 1/2
RE 8XL / REC 8XL	16 9/16	5 15/16	8	20	1 1/2
RE 10XL / REC 10XL	20 13/16	11 1/2	10	20	1 1/2
RE 10XLT / REC 10XLT	20 13/16	12 11/16	10	20	1 1/2

All dimensions in inches. † Male duct connector is 1/8" smaller than duct size.

¹ Supplied with 5" to 4" reducer

² For REC models only



Accessories



RSK
Backdraft Damper
page 11



SHL/SGHL
Hood Liner
page 10

SHL / SGHL Series

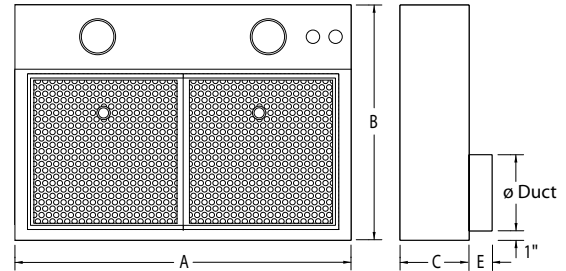
Hood Liner



SHL Series range hood liners are made from commercial grade 304, 22-gauge stainless steel. Both series feature a built-in infinite speed control for the fan, washable aluminum filters and dimmable halogen lights (bulbs included). SGHL Series hood liners are made from 22 gauge, 304 stainless fascia with a galvanized steel body. Available in 36", 42", and 48" widths. UL approved.

Model	A	B	C	E	øD	Weight, lbs	Item #
SHL 36	34 1/2	22	6	3	8	29	411111
SHL 42	40 1/2	22	6	3	10	32	411316
SHL 48	46 1/2	22	6	3	10	36	411129
SGHL 30	28 1/2	18	4	3	6	15	411247
SGHL 36	34 1/2	18	4	3	8	19	411296

† Duct connections are 1/8" smaller than duct size. Dimensional information is in inches.



Recommended fans for SHL and SGHL Series

		SGHL 30	SGHL 36, SHL 36	SHL 42, SHL 48		
Model	Airflow at 0.0" P _s	Airflow at 6" duct †	Airflow at 8" duct †	Airflow at 10" duct †	Sones ††	Sones w/silencer ***
FG 6 **	303	230 **	250 **	260 **	6.3	1.8
FG 6XL	483	340 **	370	380	10.7	3.6
FG 8	461	300	360	310	7.1	2.3
FG 8XL	502	350	420	440	9.7	3.3
FG 10	513	370	440	460	10.6	3.6
FG 10XL	589	420	500	530	11.6	3.9
FG 12XL	940	670	800	870	21.0	6.8
FKD 8XL	836	-	580	630	14.1	4.3
FKD 10	910	-	650	730	15.3	4.3
FKD 10XL *	1266	-	830	960	21	5.8
FKD 12XL *	2016	-	-	1130	18.7	7
RE 6 **	227	190 **	200 **	200 **	7.5	1.4
RE 8XL	409	300	340	350	8.9	2.5
RE 10XL	753	550	650	690	16.4	4.2
RE 10XLT	1008	-	720	840	21	5.7
RVF 6 **	242	180 **	190 **	200 **	7	1.8
RVF 6XL	381	280 **	300	310	11.5	3.6
RVF 8XL	435	310	360	370	9.7	3.3

* Requires larger speed control. Contact Fantech Customer Service for recommendations

** Fans will meet most local code requirements but will produce less than Fantech's recommended ventilation rate of 100 cfm per foot of hood width

*** Sones are not AMCA certified

† Typical airflow is an estimate based on a system with 20' of duct, two 90° elbows, a backdraft damper, roof cap and filters

†† Sone values are calculated at 0.5" (static pressure in inches W.G.)

LD Series Silencer



Easily-fitted silencer for circular ducts, fitted with a connection which is compatible with a standard spiral duct. The LD effectively reduces noise in the duct. Two silencers can be used together in installations where noise reduction is critical. For the most effective noise reduction, the silencer should be fitted immediately behind a fan or bend. Insulation thickness 2 inches.

Model	Duct size, inch	Outside size, inch	Length, inch	Weight, lbs	Item #
LD 6	6	10 $\frac{1}{4}$	23 $\frac{5}{8}$	17	411284
LD 8	8	12 $\frac{1}{2}$	23 $\frac{5}{8}$	20	411125
LD 10	10	14	35 $\frac{1}{2}$	26	411286
LD 12	12	17 $\frac{3}{4}$	35 $\frac{1}{2}$	35	411287

FC Series Mounting Clamp



Mounting clamps facilitate the installation and removal of fans for service and cleaning. Made from galvanized sheet steel and lined with neoprene, which suppresses vibrations and ensures a tight fit. The mounting clamps are clamped together by two screws to allow for dimension variations. Available sizes 6, 8, 10, 12". Sold in pairs.

Model	Duct size, inch	Neoprene thickness, inch	Weight, lbs	Item #
FC 6	6	1/3	2	411120
FC 8	8	1/3	3	411121
FC 10	10	1/3	3	411122
FC 12	12	1/3	4	411123

RC Series Roof Cap



Galvanized steel roof caps with damper flap closure and bird screen. Available duct sizes from 6" to 12".

Model	Duct size, inch	Flashing, inch	Collar length, inch	Weight, lbs	Item #
RC 6	6	14	4	3	411312
RC 8	8	16	4	5	411313
RC 10	10	22	4	7	411314
RC 12	12	22	4	9	411315

RSK Series Backdraft Damper



Backdraft dampers with galvanized steel collar and lightweight aluminum damper blades. Spring loaded for positive closure.

Model	Duct size, inch	Length, inch	Weight, lbs	Item #
RSK 6	6	3 $\frac{1}{8}$	1	411114
RSK 8	8	3 $\frac{1}{8}$	1	411115
RSK 10	10	3	2	411116
RSK 12	12	3	2	411117

FML Series Intake Hood



A single prepainted aluminum hood for supply and exhaust applications.

- A white powder-coated finish
- Equipped with a bug screen

Model	Duct size, inch	Collar length, inch	Outer dimensions, inch	Weight, lbs	Item #
FML 8	8	3 $\frac{1}{2}$	9	8	411082
FML 10	10	3 $\frac{1}{2}$	11	9	411083
FML 12	12	3 $\frac{1}{2}$	13	10	411084

**Customer Support:**

800.747.1762 • support@fantech.net

**Send Orders:**

orders@fantech.net • 877.747.8116



Keep yourself updated on all news and new products by following us on fantech.net

Fantech reserves the right to modify at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.



fantech