



KITCHEN VENTILATION SOLUTIONS



HOOD LINERS
EXHAUST FANS
SILENCERS



IMPROVING INDOOR AIR QUALITY THROUGH BETTER VENTILATION

June 2007 – SBK0607

www.fantech.net

KITCHEN VENTILATION SOLUTIONS

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.

The Fantech 3-part exhaust system includes a powerful exhaust fan that mounts away from the living area; an inline silencer to minimize noise; and a hood liner that fits beautifully in your custom hood design.



HOW TO SIZE YOUR KITCHEN VENTILATION SYSTEM

Before choosing your kitchen ventilation fan check with your local residential codes and the range manufacturer's recommendations. If range manufacturer's recommendations are not available, use the information at right to calculate the fan size.

These recommendations follow the guidelines of the Home Ventilating Institute (HVI).



Wall Mount Installations:

100 CFM per foot of width.

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

| | |
|----------------|-------|
| Feet of Width | 3 |
| CFM per Foot | x 100 |
| Air Flow [CFM] | 300 |

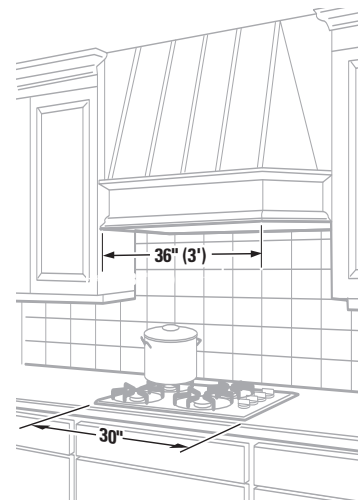
Island Mount Installations:

150 CFM per foot of width.

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

| | |
|----------------|-------|
| Feet of Width | 3 |
| CFM per Foot | x 150 |
| Air Flow [CFM] | 450 |

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



INLINE EXHAUST FANS



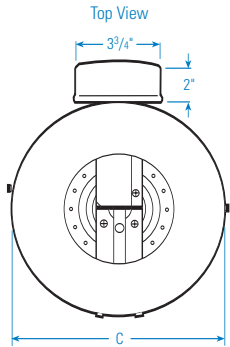
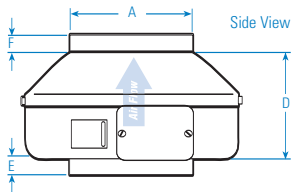
FG SERIES Exhaust Fans

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".

FG Series Dimensions

| Model | †A | C | D | E | F |
|---------|----|--------------------------------|---------------------------------|--------------------------------|--------------------------------|
| FG 6 | 6 | 11 ³ / ₈ | 6 | 1 | 1 |
| FG 6XL | 6 | 13 ¹ / ₈ | 6 ⁵ / ₈ | 1 | 1 |
| FG 8 | 8 | 13 ³ / ₈ | 6 | 1 ¹ / ₈ | 1 ¹ / ₈ |
| FG 8XL | 8 | 13 ³ / ₈ | 6 | 1 ¹ / ₈ | 1 ¹ / ₈ |
| FG 10 | 10 | 13 ³ / ₈ | 4 ¹¹ / ₁₆ | 1 ¹ / ₈ | 1 |
| FG 10XL | 10 | 13 ³ / ₈ | 5 ⁷ / ₈ | 1 ¹ / ₈ | 1 |
| FG 12 | 12 | 16 | 8 ¹ / ₄ | 1 ¹ / ₁₆ | 1 ³ / ₁₆ |
| FG 12XL | 12 | 16 | 8 ¹ / ₄ | 1 ¹ / ₁₆ | 1 ³ / ₁₆ |

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

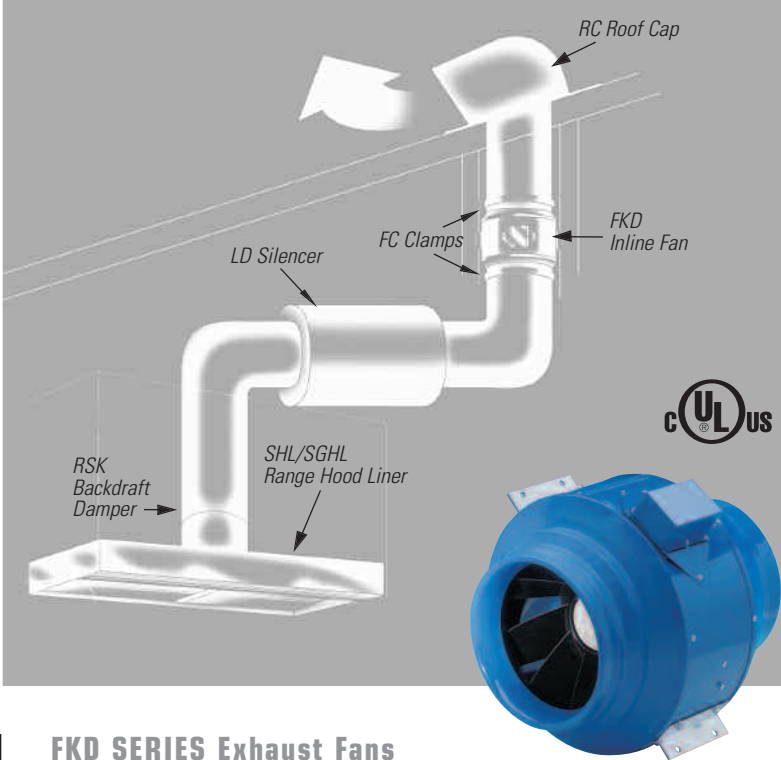


Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type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

FG Series Performance

| Fan Model | Max Watts | Max Amps | Static Pressure in Inches W.G. | | | | | | | |
|-----------|-----------|----------|--------------------------------|-----|-----|-----|-----|------|-------|------|
| | | | 0" | .2" | .4" | .6" | .8" | 1.0" | 1.25" | 1.5" |
| FG 6 | 72 | 0.68 | 303 | 270 | 232 | 196 | 164 | 134 | 97 | 58 |
| FG 6XL | 153 | 1.48 | 483 | 450 | 409 | 369 | 329 | 289 | 243 | 201 |
| FG 8 | 119 | 1.14 | 461 | 410 | 351 | 295 | 243 | 191 | 143 | 97 |
| FG 8XL | 142 | 1.45 | 502 | 470 | 428 | 388 | 351 | 313 | 266 | 218 |
| FG 10 | 138 | 1.43 | 513 | 480 | 444 | 407 | 366 | 324 | 269 | 216 |
| FG 10XL | 196 | 1.96 | 589 | 560 | 531 | 503 | 472 | 441 | 400 | 355 |
| FG 12 | 181 | 1.87 | 741 | 680 | 601 | 515 | 434 | 363 | 290 | 236 |
| FG 12XL | 301 | 3.01 | 940 | 880 | 819 | 746 | 670 | 596 | 505 | 425 |

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 airstream.



FKD SERIES Exhaust Fans

Powerful, smooth running mixed flow centrifugal fans designed for kitchen ventilation systems. Galvanized steel housings with baked powder coat finish. The perfect size for use with commercial style ranges. 836 CFM to 2016 CFM. Duct sizes from 8" to 12".

FKD Series Dimensions

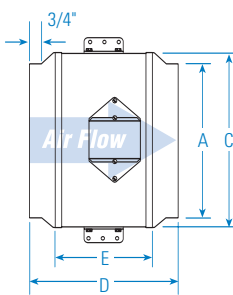
| Model | †A | A1 | A2 | C | D | E | F |
|----------|----|----|----|--------------------------------|--------------------------------|-------------------------------|-------------------------------|
| FKD 8XL | 8 | - | - | 12 ¹ / ₂ | 15 ¹ / ₂ | 7 | - |
| FKD 10 | 10 | - | - | 12 ¹ / ₂ | 12 ¹ / ₂ | 7 | - |
| FKD 10XL | 10 | - | - | 14 | 15 | 8 | - |
| FKD 12XL | 12 | 12 | 14 | 17 ¹ / ₈ | 18 ⁷ / ₈ | 7 ¹ / ₈ | 1 ⁵ / ₈ |

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

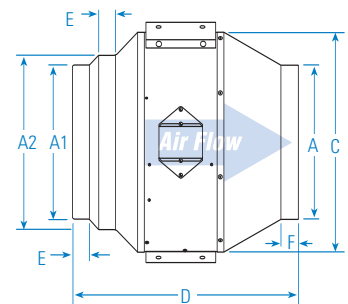


Fantech, Inc. certifies that the FKD Series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

FKD 8XL, FKD 10 & FKD 10XL



FKD 12XL



FKD Series Performance (For sound performance data refer to publication #FKD-1203)

| Fan Model | Max Watts | Max Amps | Static Pressure in Inches W.G. | | | | | | |
|-----------|-----------|-------------------|--------------------------------|------|------|------|------|-------|------|
| | | | 0" | .25" | .5" | .75" | 1.0" | 1.25" | 1.5" |
| FKD 8XL | 327 | 2.99 ¹ | 836 | 761 | 680 | 595 | 499 | 393 | 286 |
| FKD 10 | 329 | 3.01 ¹ | 910 | 836 | 752 | 653 | 547 | 432 | 342 |
| FKD 10XL | 529 | 4.84 ² | 1266 | 1187 | 1100 | 1006 | 911 | 810 | 696 |
| FKD 12XL | 500 | 4.80 ² | 2016 | 1832 | 1649 | 1423 | 1066 | 606 | - |

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 airstream.

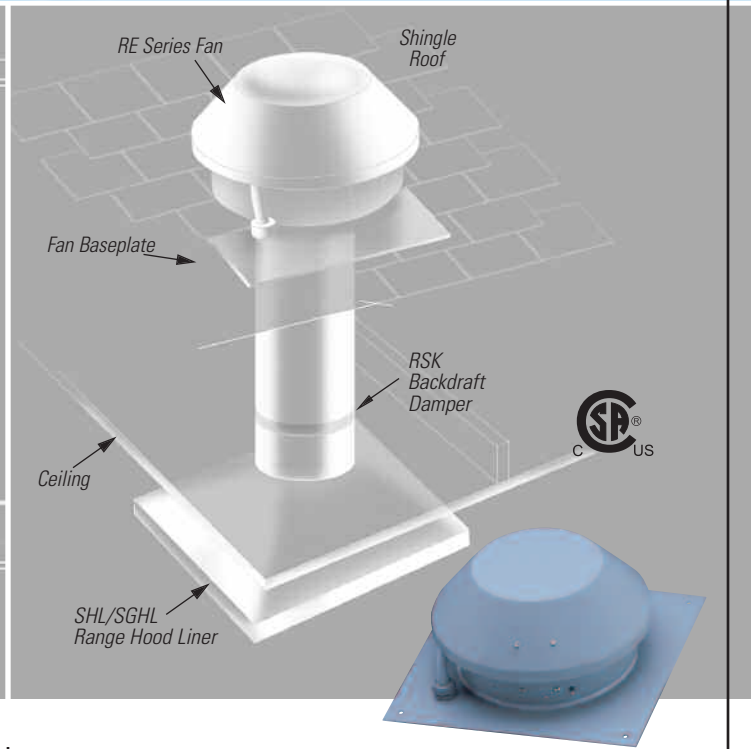
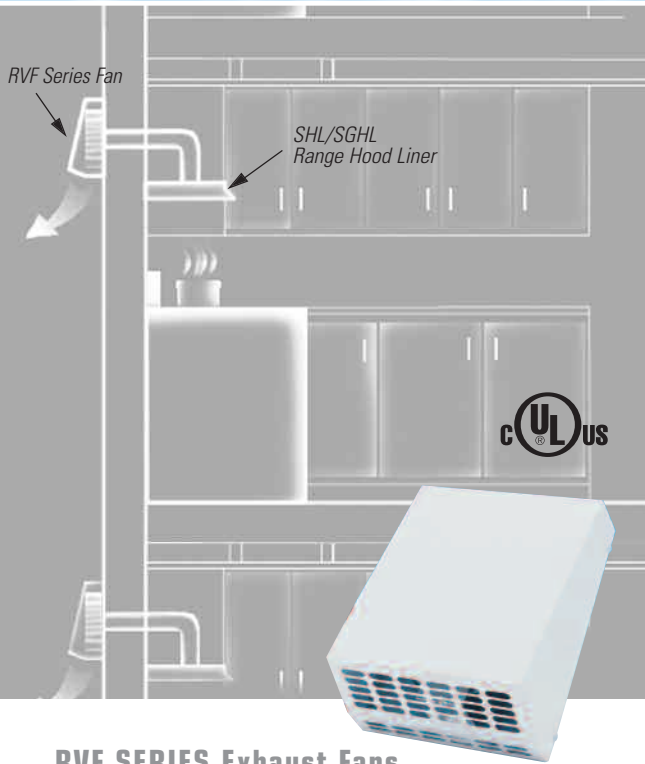
¹ Recommended speed control rating 5A. ² Recommended speed control rating 10A.

FC Round Duct Clamps

Galvanized steel stabilizing mounting clamps lined with neoprene for mounting and duct connection of fans. Sizes 6,8,10,12". Sold in pairs.



EXTERIOR EXHAUST FANS



RVF SERIES Exhaust Fans

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. Sizes from 242 CFM to 435 CFM. Duct sizes from 6" to 8".

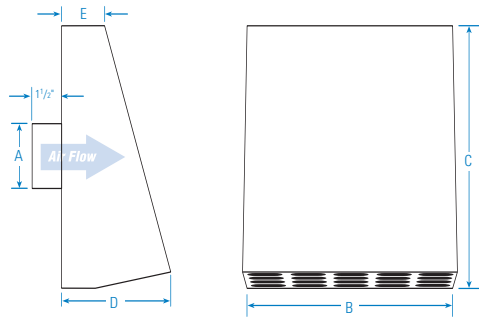
RVF Series Dimensions

| Model | †A | B | C | D | E |
|---------|----|--------|----|---|-------|
| RVF 6 | 6 | 10 1/4 | 13 | 6 | 2 3/4 |
| RVF 6XL | 6 | 14 1/4 | 17 | 6 | 2 3/4 |
| RVF 8XL | 8 | 14 1/4 | 17 | 6 | 2 3/4 |



Dimensional information in inches.

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



RVF Series Performance

| Fan Model | Max Watts | Max Amps | Static Pressure in Inches W.G. | | | | | | | |
|-----------|-----------|----------|--------------------------------|-----|-----|-----|-----|-----|------|------|
| | | | 0" | .1" | .2" | .4" | .6" | .8" | 1.0" | 1.5" |
| RVF 6 | 92 | 0.84 | 242 | 220 | 204 | 177 | 150 | 123 | 68 | — |
| RVF 6XL | 149 | 1.46 | 381 | 360 | 346 | 315 | 285 | 258 | 213 | 64 |
| RVF 8XL | 151 | 1.42 | 435 | 410 | 392 | 348 | 312 | 282 | 235 | 102 |

RVF Series performance is shown with ducted inlet. Per HVI's Certified Ratings Program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at .1 inches WG.

RE/REC SERIES Exhaust Fans

Exterior mounted exhaust fans can provide the perfect solution when space is at a minimum. Ideal for homes, condominiums and apartment complexes. RE models can be mounted on a sidewall or a slanted roof. REC models mount on a curb. Models from 227 CFM to 1008 CFM. Duct sizes from 6" to 10".

RE/REC Series Dimensions

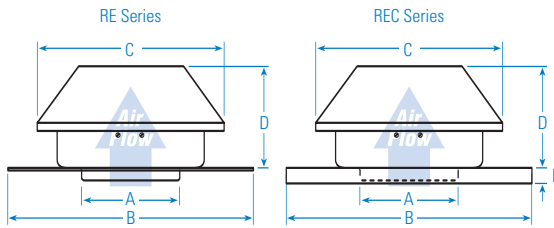
| Model | †A | B | C | D | E |
|-----------|----|--------|---------|---------|-------|
| RE 6 | 6 | 15 1/2 | 13 3/16 | 6 1/2 | — |
| REC 6 | 6 | 15 1/2 | 13 3/16 | 6 1/2 | 1 1/2 |
| RE 8XL | 8 | 20 | 15 3/4 | 6 | — |
| REC 8XL | 8 | 20 | 15 3/4 | 6 | 1 1/2 |
| RE 10XL | 10 | 20 | 19 3/4 | 11 3/4 | — |
| REC 10XL | 10 | 20 | 19 3/4 | 11 3/4 | 1 1/2 |
| RE 10XLT | 10 | 20 | 19 3/4 | 12 1/16 | — |
| REC 10XLT | 10 | 20 | 19 3/4 | 12 1/16 | 1 1/2 |



Fantech, Inc. certifies that the RE/REC 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.

Dimensional information in inches.

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



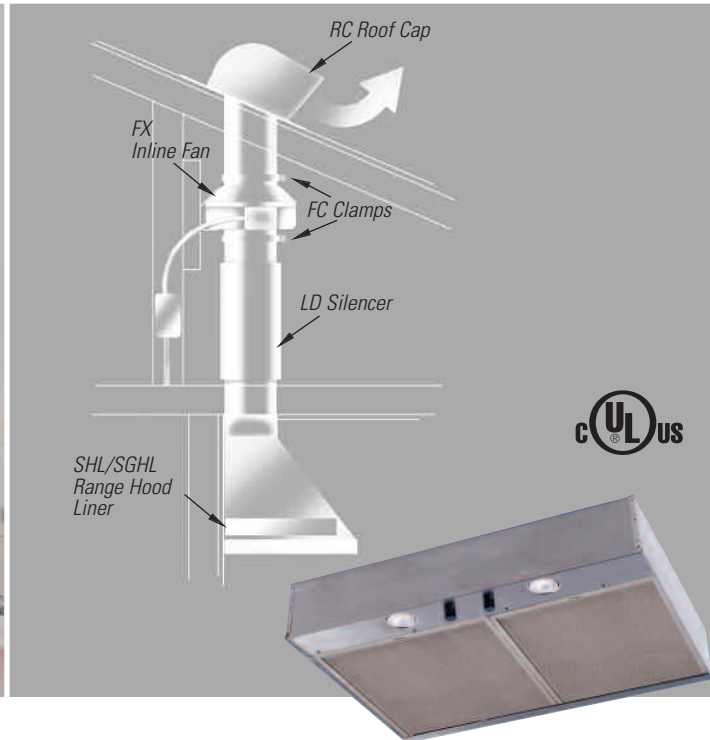
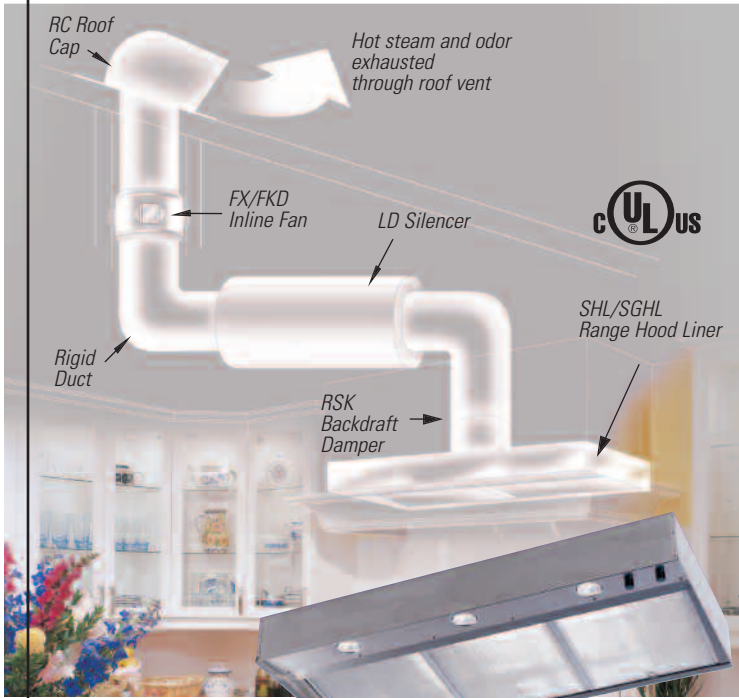
RE/REC Series Performance

(For sound performance data refer to publication #RE/C-0899-6)

| Fan Model | Max Watts | Max Amps | Static Pressure in Inches W.G. | | | | | | |
|--------------------|-----------|----------|--------------------------------|------|-----|------|------|-------|------|
| | | | 0" | .25" | .5" | .75" | 1.0" | 1.25" | 1.5" |
| RE 6/REC 6 | 87 | 0.80 | 227 | 199 | 169 | 134 | 106 | 80 | 51 |
| RE 8XL/REC 8XL | 153 | 1.48 | 409 | 356 | 307 | 259 | 212 | 170 | 130 |
| RE 10XL/REC 10XL | 394 | 3.61 | 753 | 721 | 690 | 656 | 622 | 586 | 548 |
| RE 10XLT/REC 10XLT | 531 | 5.12 | 1008 | 949 | 890 | 831 | 766 | 695 | 609 |

Performance shown is 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 in the airstream.

HOOD LINERS



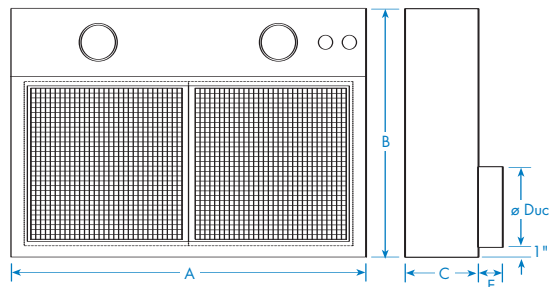
SHL SERIES Hood Liners

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

SHL Series Dimensional Information

| Model | UPC# | ø Duct† | A | B | C | E |
|--------|-------|---------|-----|----|---|---|
| SHL 36 | 47036 | 8 | 34½ | 22 | 6 | 3 |
| SHL 42 | 47042 | 10 | 40½ | 22 | 6 | 3 |
| SHL 48 | 47048 | 10 | 46½ | 22 | 6 | 3 |

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



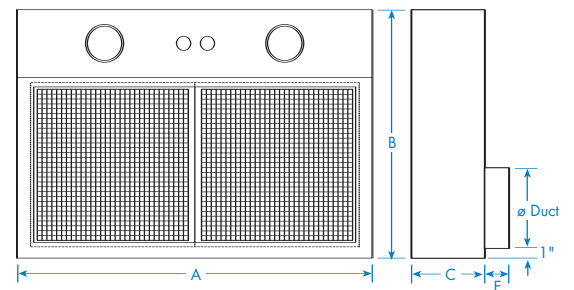
SGHL SERIES Hood Liners

SGHL range hood liners are made with commercial grade 304, 22-gauge stainless steel fascia and galvanized steel body. Features include infinite speed control for the fan, washable aluminum filters and dimmable halogen lights (bulbs included). Available in 30" and 36" widths. UL approved.

SGHL Series Dimensional Information

| Model | UPC# | ø Duct† | A | B | C | E |
|---------|-------|---------|-----|----|---|---|
| SGHL 30 | 47530 | 6 | 28½ | 18 | 4 | 3 |
| SGHL 36 | 47536 | 8 | 34½ | 18 | 4 | 3 |

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

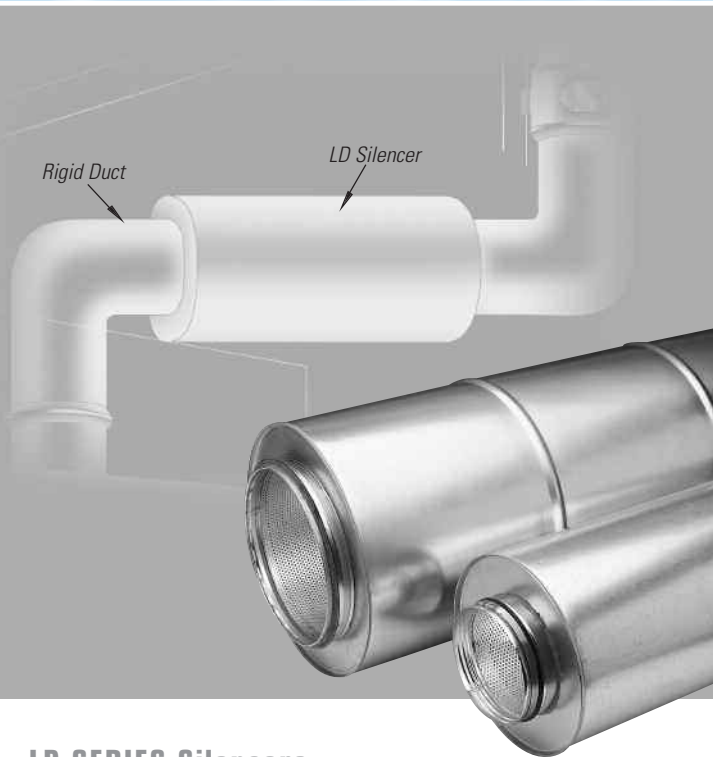


Recommended Fans for SHL and SGHL Series

| Fan Model | Mounting | Airflow/0"s.p. | Duct† | | | Sones†† | Sones w/Silencer*** |
|-----------|--------------------|----------------|------------|------------|-------------|---------|---------------------|
| | | | Airflow/6" | Airflow/8" | Airflow/10" | | |
| FG 6** | interior inline | 303 | 230** | 250** | 260** | 6.3 | 1.8 |
| FG 6XL | interior inline | 483 | 340** | 370 | 380 | 10.7 | 3.6 |
| FG 8 | interior inline | 461 | 300 | 360 | 310 | 7.1 | 2.3 |
| FG 8XL | interior inline | 502 | 350 | 420 | 440 | 9.7 | 3.3 |
| FG 10 | interior inline | 513 | 370 | 440 | 460 | 10.6 | 3.6 |
| FG 10XL | interior inline | 589 | 420 | 500 | 530 | 11.6 | 3.9 |
| FG 12XL | interior inline | 940 | 670 | 800 | 870 | 21.0 | 6.8 |
| FKD 8XL | interior inline | 836 | — | 580 | 630 | 14.1 | 4.3 |
| FKD 10 | interior inline | 910 | — | 650 | 730 | 15.3 | 4.3 |
| FKD 10XL* | interior inline | 1266 | — | 830 | 960 | 21 | 5.8 |
| FKD 12XL* | interior inline | 2016 | — | — | 1130 | 18.7 | 7 |
| RE 6** | exterior roof/wall | 227 | 190** | 200** | 200** | 7.5 | 1.4 |
| RE 8XL | exterior roof/wall | 409 | 300 | 340 | 350 | 8.9 | 2.5 |
| RE 10XL | exterior roof/wall | 753 | 550 | 650 | 690 | 16.4 | 4.2 |
| RE 10XL† | exterior roof/wall | 1008 | — | 720 | 840 | 21 | 5.7 |
| RVF 6** | exterior wall | 242 | 180** | 190** | 200** | 7 | 1.8 |
| RVF 6XL | exterior wall | 381 | 280** | 300 | 310 | 11.5 | 3.6 |
| RVF 8XL | exterior wall | 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.)

SILENCERS & ACCESSORIES



LD SERIES Silencers

Galvanized steel silencer for use in kitchen range hood ventilation and other applications where noise is a concern. A Fantech silencer can typically reduce the "perceived" sound level of the kitchen ventilation system by more than 50%. Units feature rubber seal on inlet and outlet.

LD Series Dimensions

| Model | Ø Duct† | Outside Ø | Length |
|-------|---------|-----------|--------|
| LD 6 | 6 | 10¼ | 23⅝ |
| LD 8 | 8 | 12½ | 23⅝ |
| LD 10 | 10 | 14 | 35½ |
| LD 12 | 12 | 17¾ | 35½ |

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

LD Series Sound Performance

| Model | Sound Data (Suppression dB Frequency Bands Hz) | | | | | | |
|-------|--|-----|-----|------|------|------|------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| LD 6 | 5 | 10 | 18 | 23 | 33 | 30 | 19 |
| LD 8 | 4 | 9 | 17 | 22 | 29 | 25 | 18 |
| LD 10 | 6 | 11 | 21 | 27 | 39 | 25 | 19 |
| LD 12 | 5 | 9 | 18 | 23 | 32 | 20 | 18 |

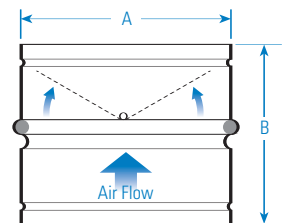
RSK SERIES Backdraft Dampers

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

RSK Series Dimensions

| Model | A† | B |
|--------|----|----|
| RSK 6 | 6 | 3⅞ |
| RSK 8 | 8 | 3⅞ |
| RSK 10 | 10 | 3 |
| RSK 12 | 12 | 3 |

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



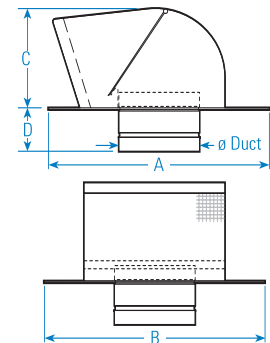
RC SERIES Roof Caps

Galvanized steel roof caps with damper flap closure and bird screen. Duct sizes from 6" to 12". Also available in copper and stainless steel.

RC Series Dimensions

| Model | Ø Duct† | A | B | C | D |
|-------|---------|----|----|----|---|
| RC 6 | 6 | 14 | 14 | 7 | 3 |
| RC 8 | 8 | 16 | 16 | 8 | 3 |
| RC 10 | 10 | 22 | 20 | 10 | 3 |
| RC 12 | 12 | 24 | 22 | 12 | 3 |

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



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Item#411742 SBK0607

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