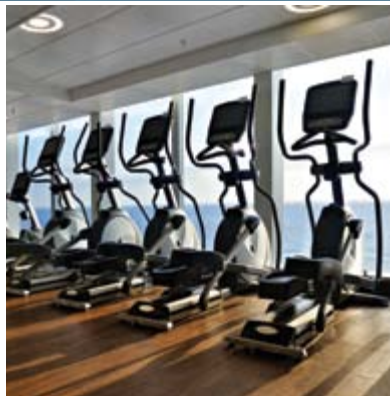




HIGH CAPACITY VENTILATION



DECEMBER 2012

Broan Ventilation Fans—High Capacity

Broan high capacity fans are an exceptionally quiet solution to continuous ventilation. With their heavy-duty motors, high capacity fans are an ideal solution for conference rooms, public restrooms, commercial kitchens and spaces that require ongoing ventilation. Low-vibration and low-profile, they work quietly without getting noticed.

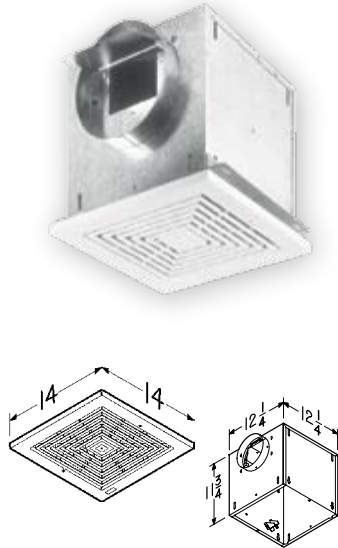
Broan High Capacity Fan Features

- Acoustic insulation lines the housing to reduce sound levels (kitchen and dedicated in-line models have no insulation)
- Quiet, low RPM motor is permanently lubricated for continuous operation
- Automatic backdraft damper built into the duct connector
- Resilient motor mounts minimize vibration
- Impact-resistant, balanced centrifugal blower wheel ensures consistent performance
- 8-way adjustable mounting brackets permit installation flexibility
- Round duct connectors on many models simplify installation
- Heavy gauge galvanized steel housing
- Low profile, impact-resistant, high-strength polymeric or white enameled steel grilles (varies by model)
- Quick, simple wiring from either inside or outside of the housing
- AMCA licensed for air and sound
- Duct horizontally, vertically or in-line

100/150 CFM High Capacity Fan Features

- 6" round duct connector
- Single, impact-resistant centrifugal blower wheel housing
- Duct horizontally or vertically, or in-line with a separate adapter
- Low profile, white polymeric or painted white enamel steel grille
- Models L100L and L150L are UL Listed for use over bathtubs or showers when connected to a GFCI branch circuit
- Broan Electronic Variable Speed Controls adjust blower speed and sound level (available separately)—see page 43

Polymeric Grille



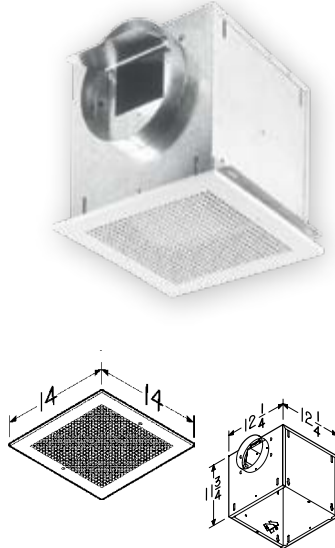
Model L100

- 120V, 1.1 amps
- White polymeric grille

Model L150

- 120V, 1.3 amps
- White polymeric grille

Metal Grille



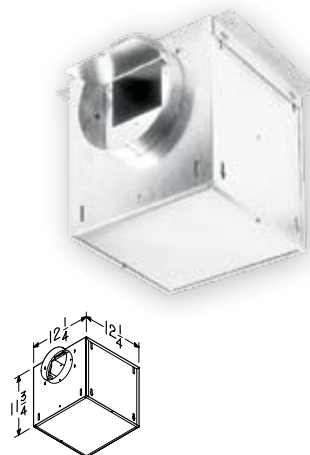
Model L100MG

- 120V, 1.1 amps
- White enamel steel grille

Model L150MG

- 120V, 1.3 amps
- White enamel steel grille

In-Line Ventilators



- Removable access panel, no insulation
- Two 6" round duct connectors

Model L100L (shown)

- 120V, 1.1 amps
- No grille

Model L150L

- 120V, 1.3 amps
- No grille

Model	CFM	Sones	Notes
L100	109	0.9	White polymeric grille
L150	157	1.5	White polymeric grille
L100MG	115	0.9	White Metal grille
L150MG	161	1.4	White Metal grille
L100L	106	0.7	In-line/Suitable for kitchens
L150L	147	1.1	In-line/Suitable for kitchens

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



Adjust ventilation easily in any room.

Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.

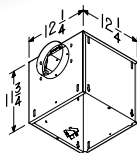
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed



200/250/300 CFM High Capacity Fan Features

- 8" round duct connector
- Single, impact-resistant centrifugal blower wheel (Model L300KMG has a metal wheel)
- 20 gauge galvanized steel housing
- Duct horizontally or vertically
- In-line ducting available with separate adapter
- Models L200L, L250L and L300L are UL Listed for use over bathtubs or showers when connected to a GFCI branch circuit
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)—see page 43

Polymeric Grille



Model L200 (shown)

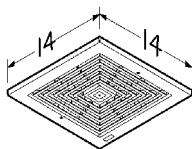
- 120V, 1.8 amps

Model L250

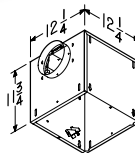
- 120V, 2.1 amps

Model L300

- 120V, 2.6 amps



Metal Grille



Model L200MG (shown)

- 120V, 1.8 amps

Model L250MG

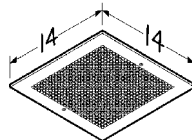
- 120V, 2.1 amps

Model L300MG

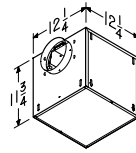
- 120V, 2.6 amps

Model L300KMG

- Suitable for kitchen installations
- 120V, 2.6 amps
- Metal wheel
- Order Aluminum Filter LAF1



In-Line Ventilators



- Suitable for kitchen installations
- Removable access panel – no insulation

Model L200L (shown)

- 120V, 1.8 amps

Model L250L

- 120V, 2.1 amps

Model L300L

- 120V, 2.6 amps

Model	CFM	Sones	Notes
L200	210	1.7	White polymeric grille
L200MG	215	1.9	White Metal grille
L200L	195	1.9	In-line
L250	259	2.2	White polymeric grille
L250MG	265	2.5	White Metal grille
L250L	245	2.3	In-line
L300	308	2.9	White polymeric grille
L300MG	316	3.0	White Metal grille
L300L	293	3.1	In-line
L300KMG	277	3.1	White Metal grille

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



Adjust ventilation easily in any room.

Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.

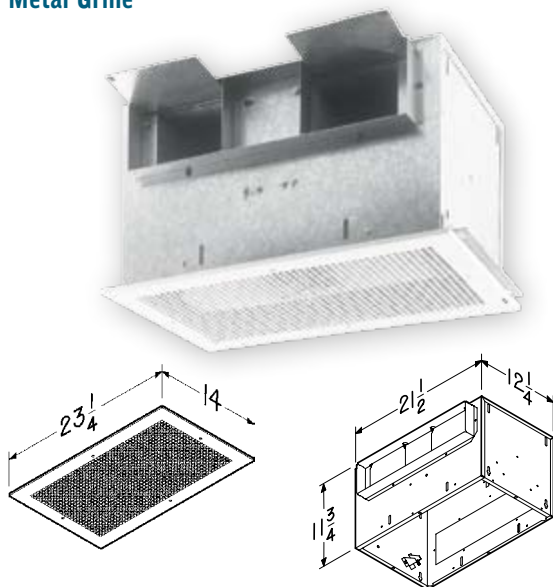
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed

Broan Ventilation Fans—High Capacity

400/500/700 CFM High Capacity Fan Features

- 4-1/2" x 18-1/2" duct connector
- Painted white enamel steel grille
- Two impact-resistant centrifugal blower wheels
- Duct horizontally or vertically – In-line available with separate adapter
- Quiet automatic backdraft dampers
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)
- Models with "K" suffix suitable for kitchens

Metal Grille



Model L400 (shown)

- 120V, 1.4 amps

Model L400K

- Suitable for kitchen use
- Two metal centrifugal blower wheels
- Order Aluminum Filter LAF2

Model L500

- 120V, 2.2 amps

Model L500K

- Two metal centrifugal blower wheels
- 120V, 2.2 amps
- Order Aluminum Filter LAF2

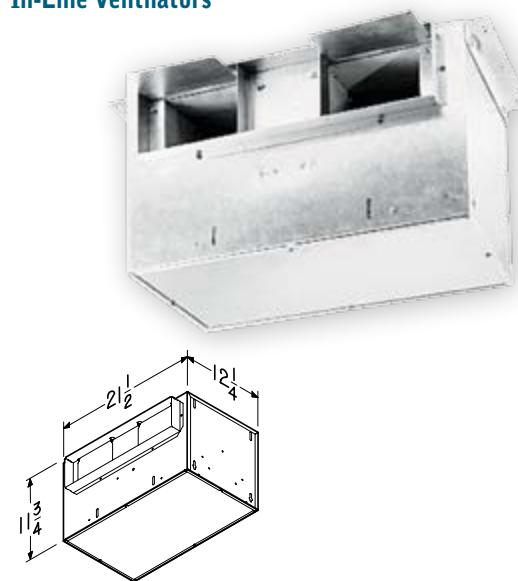
Model L700

- 120V, 2.9 amps

Model	CFM	Sones	Notes
L400	434	2.3	Metal Grille
L400K	406	3.3	Suitable for kitchens
L400L	406	1.6	In-line
L400KL	375	3.1	—
L500	514	3.3	Metal Grille
L500K	481	4.4	Suitable for kitchens
L500L	519	3.4	In-line
L500KL	472	3.8	—
L700	701	4.7	Metal Grille
L700L	681	3.7	In-line

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.

In-Line Ventilators



Model L400L (shown)

- In-line model has removable access panel and no insulation
- 120V, 1.4 amps

Model L500L

- In-line model has removable access panel and no insulation
- 120V, 2.2 amps

Model L700L

- Removable access panel – no insulation
- 120V, 2.9 amps



Adjust ventilation easily in any room.

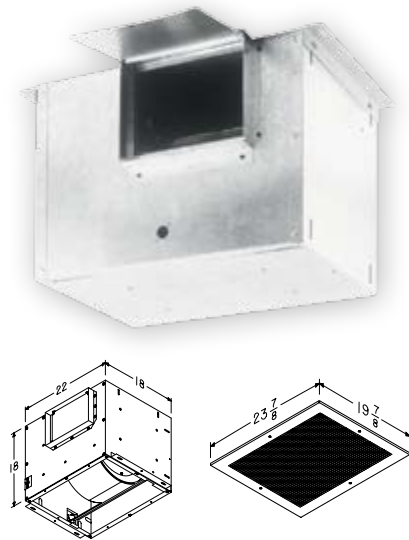
Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.

- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed



900 and 1500 CFM Fans

Metal Grille



- 8" x 12" duct
- Sound-absorbing acoustic insulation
- Painted white enamel steel grille
- Single, impact-resistant centrifugal blower wheel
- Ducted horizontally or vertically, or in-line with separate adapter
- Use Electronic Variable Speed Control to adjust blower speed and sound level (available separately)

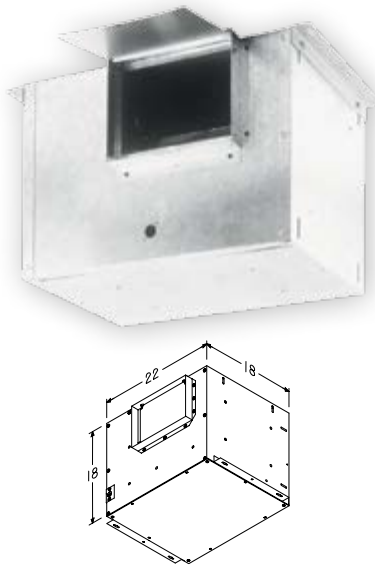
Model L900 (shown)

- 120V, 3.0 amps
- L900 can use the 80L variable speed blower control (sold separately)

Model L1500

- 120V, 5.0 amps

In-Line Ventilators



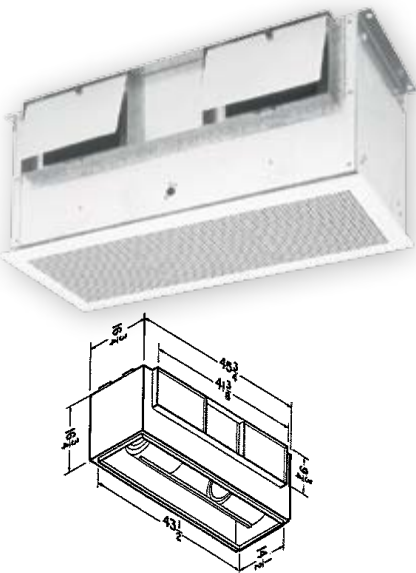
Model L900L

- Removable access panel – no insulation
- 120V, 3.0 amps
- L900L can use the 80L variable speed blower control (sold separately)

Model L1500L

- Removable access panel – no insulation
- 120V, 5.0 amps

2000 CFM Fans



Model L2000L (shown)

- 38"L x 14-5/8"W x 14-5/8"H
- Fits 7-3/4" x 33-3/4" duct
- 120V, 5.8 amps
- Optional metal grille (Model G102) and damper kit (Model D100)

Model	CFM	Sones	Notes
L900	901	4.1	—
L900L	894	3.8	In-line
L1500	1513	8.4	—
L1500L	1214	6.7	In-line
L2000L	1791	9.4	In-line

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



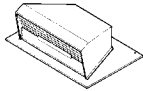
Incredibly reliable.
Remarkably quiet.

Broan Ventilation Fans—High Capacity Accessories & Radiation Dampers

Roof Caps

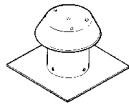
Model 437

- High-capacity design up to 1200 CFM
- Built-in bird screen
- Steel housing, black electrically bonded epoxy finish



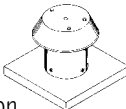
Model 611

- For flat roof installation
- Aluminum natural finish
- For up to 8" round duct



Model 611CM

- For curb mount installation
- Other features same as Model 611



Model 612

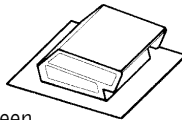
- For flat roof installation
- Aluminum natural finish
- For up to 12" round duct

Model 612CM

- For curb mount installation
- Other features same as 612

Model 634

- For 3-1/4" x 10" or up to 8" round duct
- Built-in backdraft damper and bird screen
- Steel housing, black electrically bonded epoxy finish



Model 634M

- Same as Model 634, except for 6" round duct

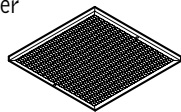
Model 644

- Same as Model 634, except aluminum natural finish

Grease Filters

Models LAF1 & LAF2

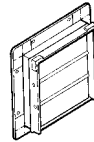
- Aluminum mesh filter traps grease and protects motor
- Dishwasher safe
- LAF1 (12" x 12") for L100/150/200/250/300 Series
- LAF1 for use with metal grilles
- LAF2 (12" x 21-1/4") for L400/500 Series



Wall Caps

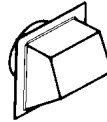
Model 441

- For 10" round duct
- Steel with aluminum louvers



Model 613

- For 12" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish

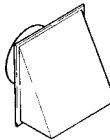


Model 641

- Same as Model 613, except for 6" round duct

Model 643

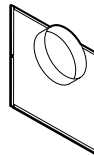
- For 8" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish



In-line Adapters

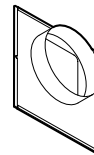
Model 961L

- For L100/L150 Series
- Galvanized steel
- 6" round duct intake



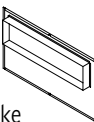
Model 981L

- For L200/L250/L300 Series
- Galvanized steel
- 8" round duct intake



Model 982L

- For L400/L500/L700 Series
- Galvanized steel
- 4-1/2" x 18-1/2" duct intake



Model 983L

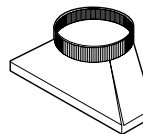
- For L900/L1500 Series
- Galvanized steel
- 8" x 12" duct intake



Duct Transitions

Models 423 & T81212

- Galvanized steel
- Transition quickly, easy to obtain/install round ducting
- 423: (4-1/2" x 18-1/2" to 10" round)
- T81212: (8" x 12" to 12" round)



Vibration Dampening Hampers

(Not shown)

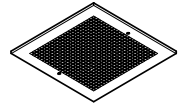
Model V104

- For Model L2000L
- Heavy gauge steel construction
- Neoprene vibration dampening cushion
- Maximum load 75 lbs (each)
- For 3/8" diameter threaded rod (available separately from others)
- Set of four required for each ventilator

Metal Grille Kit

Model MG1

- For L100/150/200/250/300 Series
- White enamel painted steel
- Mounting screws included



Radiation Dampers/Fans

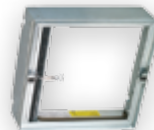
A fire resistant screen automatically closes when excessive heat is detected. The breakaway fusible link triggers the closing of the radiation damper's fire resistant screen to prevent smoke and fire from traveling through the ductwork.

Features

- 165° fusible link
- Galvanized Steel Frame
- Stainless steel negator-type closure spring

High Capacity Models RD1, RD2 & RD3

- UL rated 3-hour ceiling radiation dampers
- High temperature, non-asbestos, reinforced fiber thermal fabric
- RD1 (12-1/2" x 12-1/2") for L100/150/200/250/300 Series
- RD2 (21-3/4" x 12-1/2") for L400/500/700 Series
- RD3 (22-1/4" x 18-1/4") for L900/1500 Series



Broan Ventilation Fans—Specifications

High Capacity Fans

	Page	CFM/Sones .125" Ps (AMCA)		Housing Dimensions			Grille Dimensions		Amps at 60 Hz	Duct"	Watts	Volts
		CFM	Sones	L"	W"	H"	L"	W"				
L100	22	109	0.9	12¾	12¾	11¾	14	14	1.1	6	87	120
L100L	22	106	0.7	12¾	12¾	11¾	—	—	1.1	6	87	120
L100MG	22	115	0.9	12¾	12¾	11¾	14	14	1.1	6	87	120
L150	22	157	1.5	12¾	12¾	11¾	14	14	1.3	6	100	120
L150L	22	147	1.1	12¾	12¾	11¾	—	—	1.3	6	100	120
L150MG	22	161	1.4	12¾	12¾	11¾	14	14	1.3	6	100	120
L200	23	210	1.7	12¾	12¾	11¾	14	14	1.8	8	127	120
L200L	23	195	1.9	12¾	12¾	11¾	—	—	1.8	8	127	120
L200MG	23	215	1.9	12¾	12¾	11¾	14	14	1.8	8	127	120
L250	23	259	2.2	12¾	12¾	11¾	14	14	2.1	8	166	120
L250L	23	245	2.3	12¾	12¾	11¾	—	—	2.1	8	166	120
L250MG	23	265	2.5	12¾	12¾	11¾	14	14	2.1	8	166	120
L300	23	308	2.9	12¾	12¾	11¾	14	14	2.6	8	212	120
L300KMG	23	277	3.1	12¾	12¾	11¾	14	14	2.6	8	212	120
L300L	23	293	3.1	12¾	12¾	11¾	—	—	2.6	8	212	120
L300MG	23	316	3.0	12¾	12¾	11¾	14	14	2.6	8	212	120
L400	24	434	2.3	21½	12¾	11¾	23¾	14	1.4	4½ x 18½	146	120
L400K	24	406	3.3	21½	12¾	11¾	23¾	14	1.4	4½ x 18½	146	120
L400L	24	406	1.6	21½	12¾	11¾	—	—	1.4	4½ x 18½	146	120
L500	24	514	3.3	21½	12¾	11¾	23¾	14	2.2	4½ x 18½	232	120
L500K	24	481	4.4	21½	12¾	11¾	23¾	14	2.2	4½ x 18½	232	120
L500L	24	519	3.4	21½	12¾	11¾	—	—	2.2	4½ x 18½	232	120
L700	24	701	4.7	21½	12¾	11¾	23¾	14	2.9	4½ x 18½	313	120
L700L	24	681	3.7	21½	12v	11¾	—	—	2.9	4½ x 18½	313	120
L900	25	901	4.1	22	18	18	23¾	19¾	3.0	8 x 12	306	120
L900L	25	894	3.8	22	18	18	—	—	3.0	8 x 12	306	120
L1500	25	1513	8.4	22	18	18	23¾	19¾	5.0	8 x 12	468	120
L1500L	25	1214	6.7	22	18	18	—	—	5.0	8 x 12	468	120
L2000L	25	1791	9.4	38	14¾	14¾	—	—	5.8	7¾ x 33¾	590	120