

Installation and Blower Selection Guidelines

1. Distance from cooking surface:

For optimal performance, the distance from the cooking surface to the bottom of the range hood should be between 24" and 30", unless otherwise noted. DO NOT install a Broan Elite range hood less than 24" above cooking surface.

To maintain hood performance at heights greater than the recommended range, use the following guidelines:

- For every 3" increase in installation height, add 100 CFM to the minimum exhaust requirement and/or a minimum of 3" to the hood/liner width (may require going to the next hood width).

2. Range hood width:

The range hood should never be less than the width of the cooktop.

3. Required blower CFM based on cooktop BTU output:

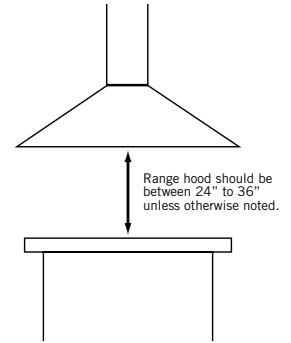
- For cooktops UNDER 60,000 BTUs, choose a blower with a minimum of 100 CFM per lineal foot

of your cooktop width. For example, a 36" wide cooktop requires a blower with a minimum of 300 CFM.

- High heat cooking or aromatic foods may require additional CFM. Always check with the range manufacturer. NOTE: Increasing capture area by 3" on each side is also a recommended way to address this issue.
- As a means to estimate the approximate CFM requirement for cooktops OVER 60,000 BTUs, choose a blower with 1 CFM per 100 BTU of cooktop output. To quickly calculate this number, add the BTU output from all burners and drop the last two zeros. For example, if the total BTU output of the cooktop burners is 65,000 BTUs, choose a blower with at least 650 CFM.

4. Additional CFM needs for a grill or griddle:

If your cooktop has a grill or griddle, ADD 200 CFM to your estimated CFM needs as calculated in step 3. For example, if your cooktop BTU requires a 650 CFM blower, add 200 CFM for a total of 850 CFM.



INSTALLATION EXAMPLE:

A consumer purchases a cooktop with these specifications:

- Four burner, 36" cooktop
- Burner output is 60,000 BTU
- The cooktop features a grill.
- Installation requirements call for the range hood to be 33" over the range (3" above recommended maximum height)

Internal Blowers

Broan Elite internal blowers provide high ventilation and durable construction to meet the needs of professional-style cooking appliances for the home.



- The P5 and P8** are designed for use with the Broan Elite RMIP Insert.
- Rough-In Kits are included to make the installation clean and simple.

BLOWER CFM

Option 1

(Using the guidelines above)
The blower must equal a minimum of 600 CFM (60,000 BTU) + 200 CFM (for grill requirement) + 100 CFM (for 3" of installation height)
= 900 CFM

Option 2

(Using the guidelines above)
Select a range hood that is a minimum of 3" WIDER than the cooktop, a minimum 600 CFM (60,000 BTU) + 200 CFM (for grill requirement)
= 800 CFM

SPECIFICATIONS

MODEL	MOUNTING	CFM	MAX COOKTOP BTU	HVI	VOLTS	AMPS	ROUGH-IN DUCT	INLET/OUTLET	DIRECTION	MOTOR TYPE
P5	Internal	500	60,000	Y	120	1.8	3-1/4" x 10"	—	V or H	—
P8	Internal	850	95,000	Y	120	3.4	3-1/4" x 14"	—	V or H	—
331*	Exterior	600	60,000	Y	120	2.3	10" Round	—	—	Single-speed
332*	Exterior	900	90,000	Y	120	5.8	10" Round	—	—	Single-speed
335*	Exterior	1200	120,000	Y	120	3.0	10" Round	—	—	Single-speed
336*	Exterior	1500	120,000	Y	120	3.8	10" Round	—	—	Single-speed
HLB3**	In-Line	280/260**	40,000	Y	120	2.6	—	8" or 10"/8" Round	V or H	Single-speed
HLB6*	In-Line	600/600**	65,000	Y	120	2.9	—	10"/10" Round	V or H	Single-speed
HLB9*	In-Line	800/700**	85,000	Y	120	3.0	—	10"/10" Round	V or H	Single-speed
HLB11*	In-Line	1100/1000**	110,000	Y	120	5.0	—	10"/10" Round	V or H	Single-speed

* Model 332KR Rough-In Kit required for installation with RMIP Series only.

** Straight CFM/Right angled CFM (rated with transitions provided).

- 120V 60Hz

Exterior Blowers

Our external blowers offer you powerful ventilation performance at its very quietest, and something you won't find anywhere else - Broan quality.



All external blowers can be installed on the roof or to an outside wall for the ultimate in quiet, high-performance kitchen ventilation.

- Reduce kitchen noise by locating range hood blowers outdoors.
- The 332 is recommended for the 27000/28000 Series.
- Residential design fits unobtrusively on home exterior.
- Durable, weather-resistant, all-aluminum construction that mounts on the roof or outside wall.

- Safety screen keeps small animals and debris away from blower and motor.
- Designed for use with our professional style Broan Elite E60000 and E64000, EX Series, RMPE Power Pack and RMIP Inserts.
- Model 332KR Rough-In Kit required for installation with hood series RMIP.



331 (600 CFM)



335 (1200 CFM)



332 (900 CFM)



336 (1500 CFM)

In-Line Blowers

This quiet performance solution is a perfect alternative to internal or exterior blowers. Works with all Broan range hoods designed for use with external blowers.



HLB3 (280 CFM)
HLB6 (600 CFM)
HLB9 (800 CFM)
HLB11 (1100 CFM)

- Powerful and quiet, in-line blowers are available in a range of CFM ratings to match your cooking preferences and ventilation requirements.
- Installs remotely in the interior of the home.
- 8-position mounting brackets, or suspends with special suspension chains (hanger kit included).

- Designed to work independently from internal or external blowers, this is not a boost blower—the HLB series needs no other blowers in the system.
- Specially designed resilient motor mounts and housing isolation mounts prevent vibration noise.
- Flexible duct design allows straight-through or right-angle connections with built-in damper.
- Includes 10" round ductwork transition(s).



HLB3 In-Line Blower
with 8" round integrated duct connectors.
(Includes Qty. 1 8" to 10" round transition.)



HLB6 In-Line Blower
with 4-1/2" x 18-1/2" integrated duct connectors.
(Includes Qty. 2 transitions to 10" round.)



HLB9 and HLB11 In-Line Blowers
In-Line Blower with 8" x 12" integrated duct connectors.
(Includes Qty. 2 transitions to 10" round.)

