

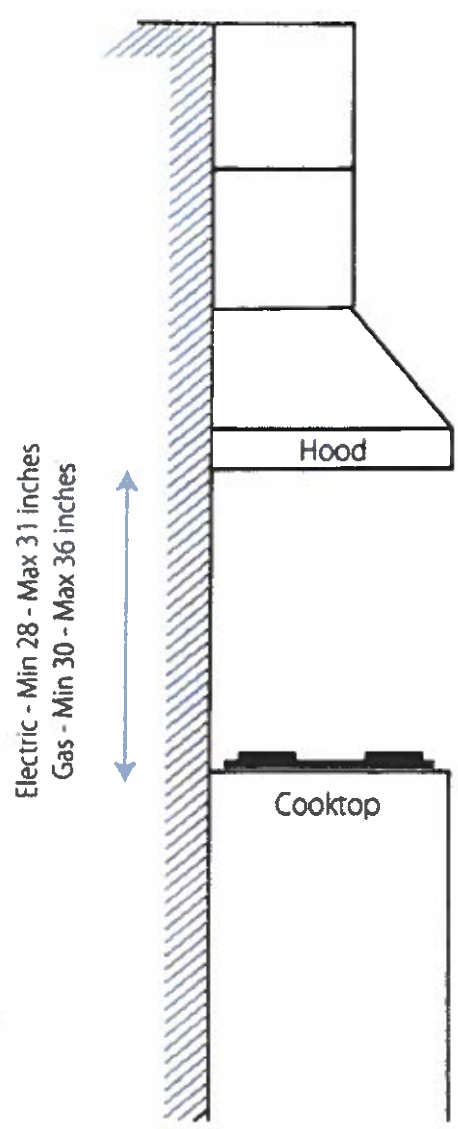
Lot 204-5
May 2, 24

3. VENTING REQUIREMENTS / HEIGHT & CLEARANCE

- Vent system must terminate outside (roof or side wall).
- DO NOT terminate the vent system in an attic or other enclosed area.
- DO NOT use 4 inches (10.2 cm) laundry-type wall caps.
- Use metal/aluminum vent only. Rigid metal/ aluminum vent is recommended.
- DO NOT use plastic vent.
- Always keep the duct clean to ensure proper airflow.
- Calculate the following figures before installation:
 1. Distance from the floor to the ceiling.
 2. Distance between the floor to the countertop/stove - 28 to 31 inches (71 - 79 cm) is recommended for electric cooktops and 30 to 36 inches (76 - 91 cm) is recommended for gas ranges.
 3. Distance between the countertop/stove to the range hood.
 4. Height of hood and duct cover.

For the most efficient & quiet operation:

- A distance of 228 to 31 inches (71 - 79 cm) is recommended for electric cooktops and 30 to 36 inches (76 - 91 cm) is recommended for gas ranges.
- It is recommended that the range hood be vented vertically through the roof through 6 inches (15 cm) or larger round metal/aluminum vent work.
- The size of the vent should be uniform.
- Use no more than three 90° elbows.
- Make sure there is a minimum of 24 inches (61 cm) of straight vent between the elbows if more than one elbow is used.
- DO NOT install two elbows together.
- The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.
- The vent system must have a damper. If roof or wall cap has a damper, DO NOT use damper (if supplied) on top of the range hood.
- Use silver tape or duct tape to seal all joints in the vent system.
- Use caulking to seal exterior wall or roof opening around the cap.



204-5

- IMPORTANT:**
- A minimum of 6 inch round¹ (standard for this range hood)) must be used to maintain maximum airflow efficiency.
 - Always use rigid type metal/aluminum ducts if available to maximize airflow
 - Please use Duct Run Calculation below to compute the total available duct run when using elbows, transitions and caps.
 - ALWAYS, when possible, reduce the number of transitions and turns. If long duct run is required, increase duct size from 6 to 7 or 8 inch¹. If a reducer is used, install a long reducer instead of a pancake reducer. Reducing duct size will restrict and decrease airflow, thus reduce duct size as far away from opening as possible.
 - If turns or transitions are required, install as far away from opening and as far apart as possible.
 - Minimum mount height between stove top to hood bottom should be no less than 28 inches* for electric ranges and 30 inches* for gas ranges.
 - Maximum mount height between stove top to hood bottom should be no higher than 31 inches* for electric ranges and 36 inches* for gas ranges.
 - It is important to install the hood at the proper mounting height. Hoods mounted too low could result in heat damage and fire hazard; while hoods mounted too high will be hard to reach and will loose performance and efficiency.
 - If available, also refer to stove top manufacturer's height clearance requirements and recommended hood mounting height above range.

Minimum Duct Size:

- Round 6 inch minimum¹

* Due to different ceiling height configurations, recommended height may not be applicable.
¹ Turin Sorrento 48 Inch (TU18784-48) requires an 8 in duct.

4. CALCULATING VENT SYSTEM HEIGHT

To calculate the length of the duct system you require, subtract the equivalent feet for each "Vent piece" (Table Below) used in the system from the "Recommended maximum run" (Table Below). The longest duct run that is acceptable (if completely straight) is 50 feet. The number of vent pieces (elbow, transition, etc.) installed in your duct run will determine the maximum length the duct run can be. Please refer to the example below:

Duct Run Calculation:	
Recommended maximum run	
6" or 3-1/4 x 10" duct	50 ft
Vent piece deduction	
Each 90° elbow used	9 ft
Each 45° elbow used	5 ft
Each 6" to 3/14 x 10" transition used	7 ft
Side wall cap with damper	0 ft
Roof cap	0 ft

Duct Run Calculation example:
One roof cap, two 90° elbow, and one 45° elbow used:
 $0\text{ft} + 9\text{ft} + 9\text{ft} + 5\text{ft} = 23\text{ft}$ used.
Deduct 23ft from 50ft, 27ft maximum available for straight duct run.

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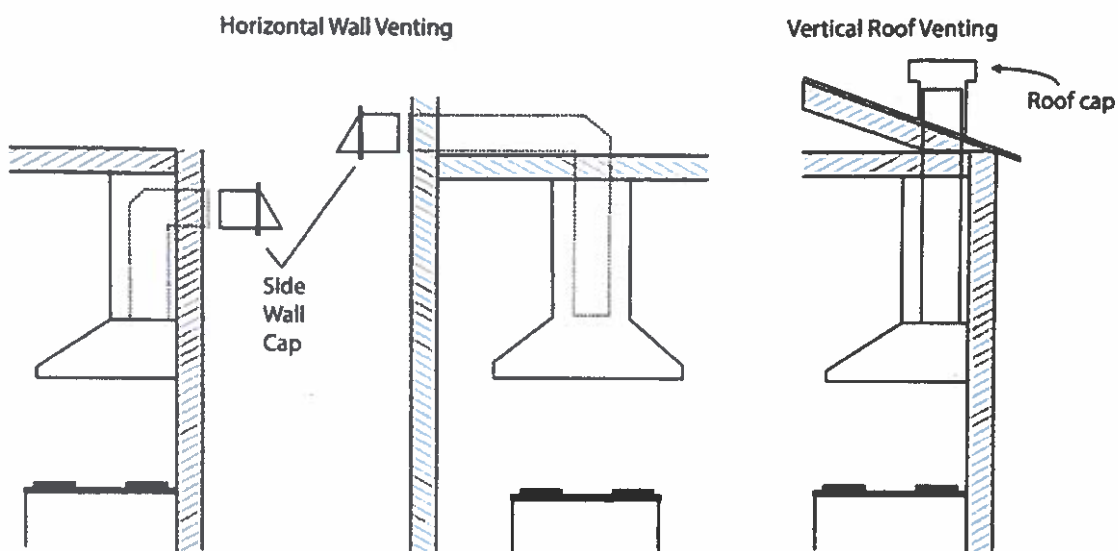
204-5

5. VENTING METHODS

- This range hood is factory set for venting through the roof or wall. It is not intended for use in non-vented/re-circulating)
- Vent work can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

WARNING

- NEVER exhaust air or terminate duct work into spaces between walls, crawl spaces, ceiling, attics or garages. All exhaust must be ducted to the outside.
- Use metal/aluminum duct work only.
- Fasten all connections with sheet metal screws and tape all joints with certified Silver Tape or Duct Tape.
- Use caulking to seal exterior wall or roof opening around the cap.



204-5

6. ELECTRICAL REQUIREMENTS

WARNING

- Contact a qualified electrical installer
- Assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition*, or CSA Standards C22. 1-94, Canadian Electrical Code, Part 1 and C22. 2 No. 0-M91 - latest edition** and all local codes and ordinances
- Do not use an extension cord. If the power supply cord is too short, have a qualified electrician install an outlet near the appliance, in accordance with all applicable codes and standards.
- Turn off electrical power at service entrance before wiring.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

A 120-Volt, 60 Hz, AC-only (USA & Canada standard), fused electrical supply is required on a separate 15-amp circuit, fused on both sides of the line.

DO NOT ground to a gas pipe.

Check with a qualified electrician if you are not sure that the range hood is properly grounded.

DO NOT have a fuse in the neutral or ground circuit.

IMPORTANT: Save this Installation Guide for electrical Inspector's use.

The range hood must be connected with copper wire/plug only.

The range hood should be connected directly to the fused disconnect (or circuit breaker) box through flexible armored or non-metallic sheathed copper cable. A U.L. - or C.S.A. - listed strain relief must be provided at each end of the power supply cable.

Wire sizes (copper wire only) and connections must conform with the rating of the appliance as specified on the model/serial rating label. Wire sizes must conform to the requirements of the National Electrical Code ANSI/NFPA 70 — latest edition*, or CSA Standards C22. 1-94, Canadian Electrical Code Part 1 and C22. 2 No. 0-M91 - latest edition** and all local codes and ordinances. A U.L. - or C.S.A. - listed conduit connector must be provided at each end of the power supply cable (at the range hood and at the junction box).

Copies of the standards listed may be obtained from:

* National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269

** CSA International, 8501 East Pleasant Valley Road, Cleveland, Ohio 44131-5575

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