

Valor® H5 1100M

Co-axial Venting

August 2021

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How to Read the Venting Chart

The chart below applies to co-axial roof or wall termination.

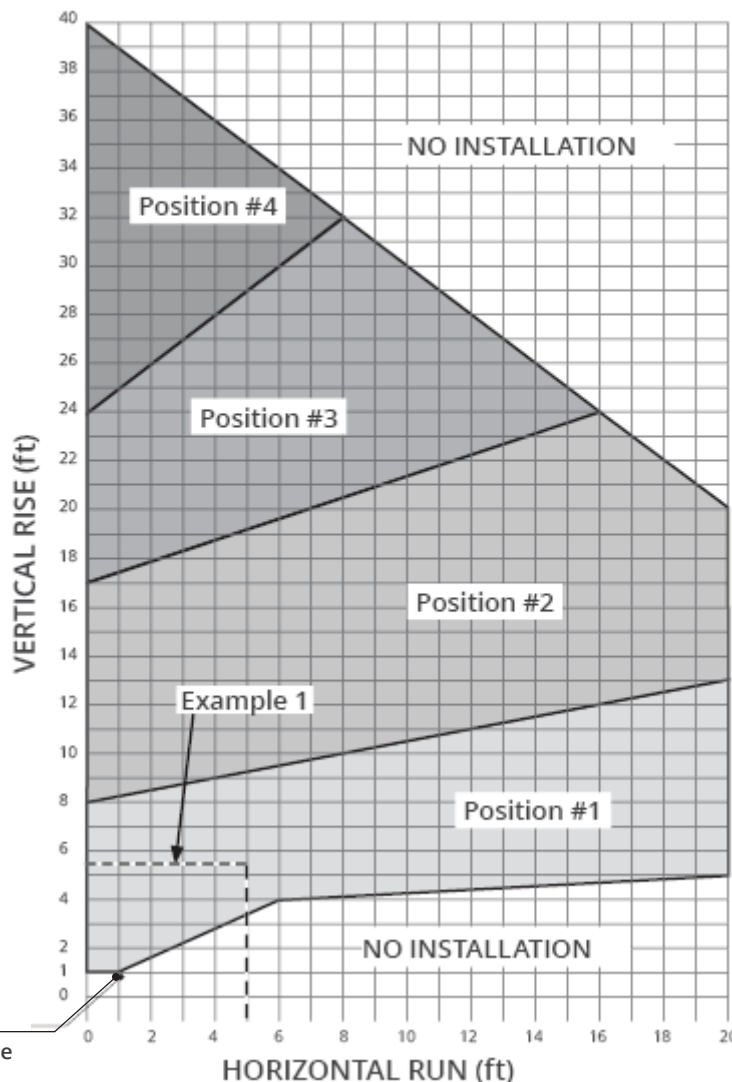
1. Minimum 12" vertical rise required in venting system directly of unit or after first elbow as shown.
2. The total length of the vent pipe cannot exceed 40 feet.
3. The minimum vertical height with roof termination is 6 feet.
4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart at right.
5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used.
6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
7. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
8. A restrictor adjustment is required for all installations—see next section.

Note: The restrictors are shipped loose with the appliance.

12" minimum vertical pipe rise (no installation less than 12" rise)

Venting Chart

Allowable Co-Axial Vent Configurations with restrictor positions



Example 1
 $V \text{ Value} = V1 (3') + V2 (1.5') + V3 (1') = 5.5'$
 $H \text{ Value} = H1 (3') + H2 (2') = 5'$
 Restrictor position #1 required

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4 x 90° ELBOWS MAXIMUM
(or equivalent)

