New Construction Applications - Framing

Between underside of header and base of heater. Base of heater must be at finished hearth height. However, please note that the 1040BPB 4-sided backing plate extend 1/4” below the base of heater. Increase cavity height accordingly.

1/2” thick non-combustible board required above engine (not supplied).

NOTE: This unit requires a solid platform to support it. Combustible framing allowed beneath fireplace.

A hearth is not required. However, if installing a hearth, consider the following:
3-sided backing plates are flush with hearth;
4-sided backing plate position 1/4" below bottom of appliance.
Combustible hearth or flooring is allowed if flush with or below the base of the appliance.

26-5/8” between underside of non-combustible board and base of heater.
**New Construction Applications - Framing**

**Framing with Partial Shelf—Top Outlet**

- Approx. 5" [127 mm] from back surface of wall finish to front surface of appliance case w/ no vent offset.
- Min. 1" [25 mm] clearance to combustibles around vertical vent pipe.
- 1/2" [13 mm] thick non-combustible board.

**Vertical Takeoff**

- 39" [991 mm] to underside of combustible cavity.
- Min. 1" [25 mm] clearance to combustibles around vertical vent pipe.

**Horizontal Takeoff**

- *Approx. 48-1/4" [1226 mm] with 12" vent pipe.
- *Approx. 10-1/2" [267 mm] approx.
- *Approx. 49-7/8" [1267 mm] with 12" vent pipe.

**Notes—ALL venting considerations**

- Dimensions of venting are based on using Dura-Vent elbows. Elbow curve radius dimensions will vary when using other brands. In general, other brands have slightly bigger radius.
- 3 inches clearance to combustibles required above horizontal pipe. Slope horizontal pipe upwards ¼ inch per foot. 1 inch clearance required around sides and bottom of horizontal pipe and around vertical pipe.
- When calculating other effective pipe lengths subtract approximately 1-1/2 inches per pipe joint - for example, adding a 12-inch pipe section will add approximately 10-1/2 inches overall.