

Technical Data Sheet

Subject: Harvest Prod 8401, Harvest MOD 8402 & Harvest MOD A 8402 Draft Requirements

Date: 10/29/2012

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TOOLS REQUIRED:

Information from Harvest field performance has revealed that this product has specific installation criteria for successful performance. The purpose of this Technical Bulletin is to communicate these requirements so that maximum product satisfaction may be obtained.

1) DRAFT:

According to Jay Shelton's Solid Fuels Encyclopedia, "Draft is a measure of the force making gases flow. Draft is the cause – force or push – behind the flow. Flow is the net effect (of draft) – the number of pounds or cubic feet of gases that pass up the chimney in a given time."

The Harvest has an effective heat exchanger in the rear portion of the stove. For this reason sufficient force or push is needed to move the gases through the stove/chimney system. It has been determined that the Harvest requires a minimum draft of 0.08 inches water column to perform well. This value of draft is taken when the catalytic combustor is engaged at a medium burn. In certain cases the Harvest may perform acceptably with less draft, depending upon the installation.

Consistent with this new minimum draft figure is the notion of avoiding leaks in the vent system. Leaks in the chimney connector, clean out door, pipe joints and connection points should be avoided to maximize airflow through the stove.

2) MODE OF VENTING: TOP "VS" REAR

The Harvest may be vented in the top or rear mode using the reversible flue collar and plate System. This stove will exhibit a range of performance from best to least in the following Configurations: BEST on a 6 inch, top vent chimney; NEXT BEST in a rear vent interior Chimney; and LEAST in the rear vent exterior chimney. Since the number of unique Installations in the field is very large, this general guideline is subject to the number of twists

and bends in the exhaust system. The greater the number of elbows, the greater the impediment to flow.

Information in this Technical Bulletin (February 27, 1992) supersedes any statements in Harvest product literature or owner's manual.

Solid Fuels Encyclopedia, by Jay Shelton, Gardenway Publishing,
Charlotte, Vermont, 1983, pages 56 - 57