

Model Character Designation

1-3 Model Series Designation

P N C = Pennant

4 Usage

H = Hydronic

V = Volume Water

5-8 Size

0 5 0 0 = 500,000 BTU/h input

0 7 5 0 = 750,000 BTU/h input

1 0 0 0 = 999,000 BTU/h input

1 2 5 0 = 1,250,000 BTU/h input

1 5 0 0 = 1,500,000 BTU/h input

1 7 5 0 = 1,750,000 BTU/h input

2 0 0 0 = 1,999,000 BTU/h input

9 Fuel

N = Natural Gas

P = Propane

10 Altitude

A = 0-10,000 feet

11 Location

C = Indoor and Outdoor

12 Firing Mode

K = Two-stage (models 500 & 750)

N = Three-stage (model 1000)

L = Four-stage (models 1250 - 2000)

13 Revision

2 = Second version

14 Heat Exchanger

B = Glass-lined CI / copper / brz trim (std. PNCV)

C = Glass-lined cast iron / copper (standard PNCH)

K = Bronze / copper

N = Glass-lined cast iron / cu-nickel

P = Glass-lined cast iron / cu-nickel / brz trim

S = Bronze / cu-nickel

15 Option Code

X = Standard unit

J = CSD-1, FM, IRI, IL

L = MN and LDS (Indoor units only)

16 Pump Options

X = No Pump

H = Pump mounted, hard water pump

N = Pump mounted, normal pump

S = Pump mounted, soft water pump

1.3 Warranty

Laars Heating Systems' Pennant appliances are covered by a limited warranty. The owner should fill out the warranty registration card and return it to Laars Heating Systems.

All warranty claims must be made to an authorized Laars Heating Systems representative or directly to the factory. Claims must include the serial number and model (this information can be found on the rating plate), installation date, and name of the installer. Shipping costs are not included in the

warranty coverage.

Some accessory items are shipped in separate packages. Verify receipt of all packages listed on the packing slip. Inspect everything for damage immediately upon delivery, and advise the carrier of any shortages or damage. Any such claims should be filed with the carrier. The carrier, not the shipper, is responsible for shortages and damage to the shipment whether visible or concealed.

1.4 Dimensions

See Figure 1.

1.5 Locating the Appliance

The appliance should be located to provide clearances on all sides for maintenance and inspection. It should not be located in an area where leakage of any connections will result in damage to the area adjacent to the appliance or to lower floors of the structure.

When such a location is not available, it is recommended that a suitable drain pan, adequately drained, be installed under the appliance.

The appliance is design certified by CSA-International for installation on combustible flooring; in basements; in closets, utility rooms or alcoves. **Pennant Boilers or Water Heaters must never be installed on carpeting.** The location for the appliance should be chosen with regard to the vent pipe lengths and external plumbing. The unit shall be installed such that the gas ignition system components are protected from water (dripping, spraying, rain, etc.) during operation and service (circulator replacement, control replacement, etc.). When vented vertically, the Pennant must be located as close as practical to a chimney or outside wall. If the vent terminal and/or combustion air terminal terminate through a wall, and there is potential for snow accumulation in the local area, both terminals should be installed at an appropriate level above grade.

The dimensions and requirements that are shown in Table 2 should be met when choosing the locations for the appliance.

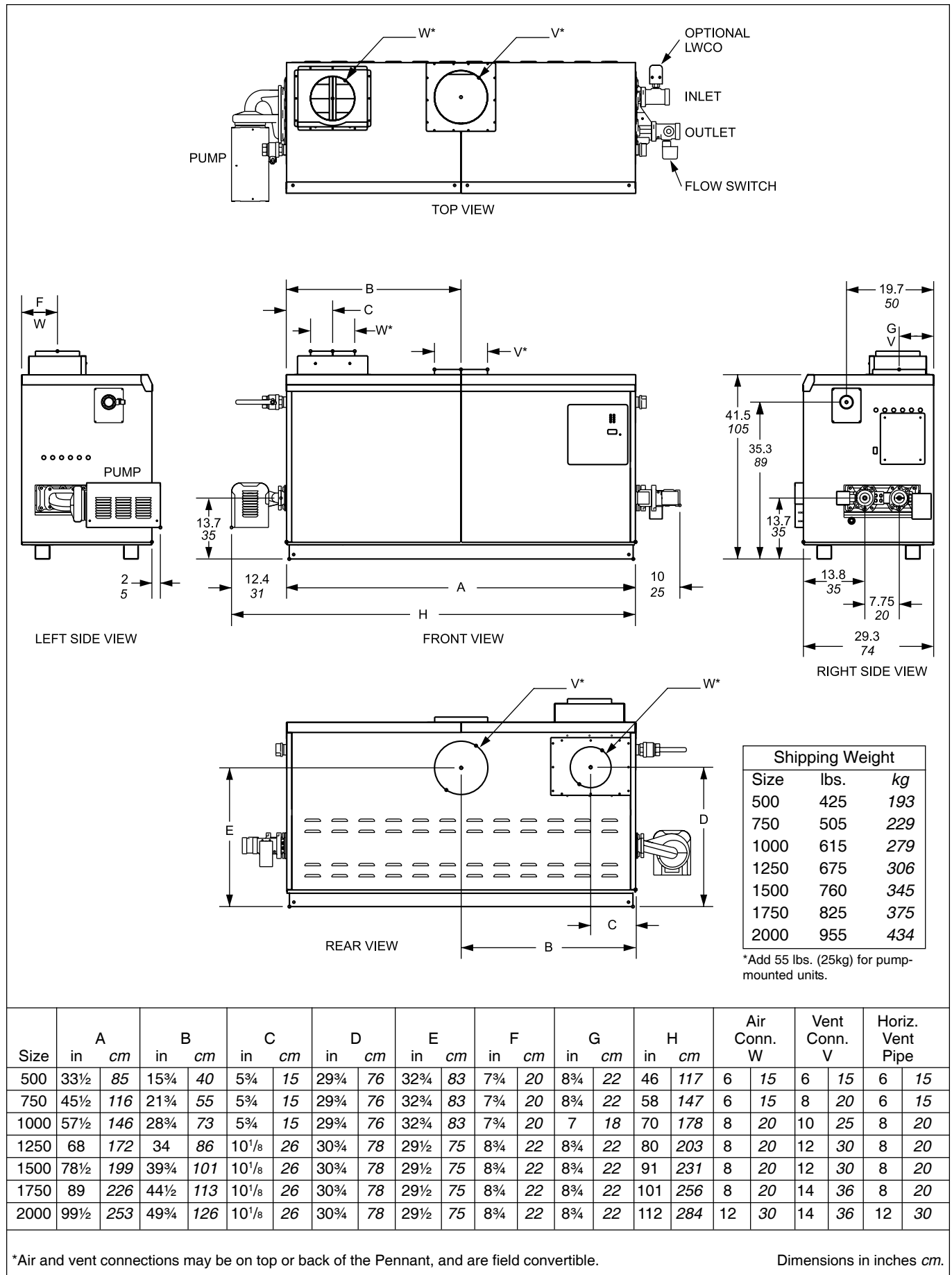


Figure 1. Dimensional Data.