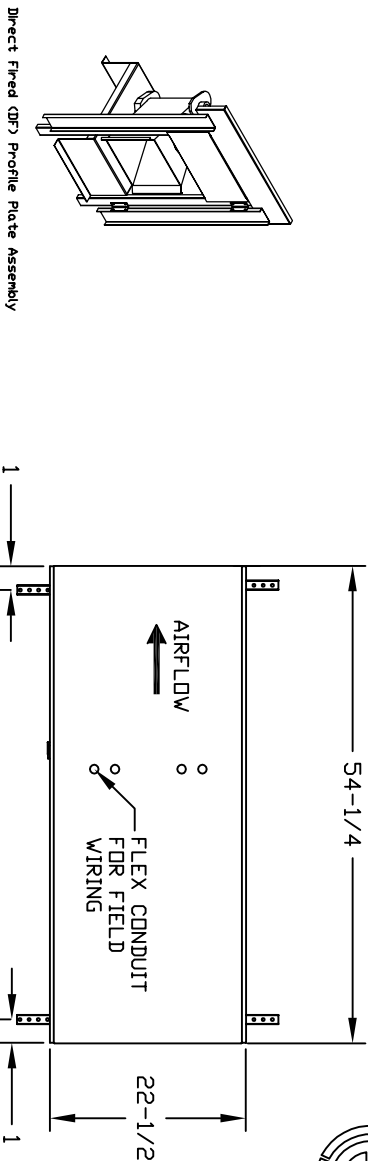


MODEL 76 INDOOR SIDE DISCHARGE DIRECT FIRED HEATER

D76SAH  
REV#5 07/28/2016



**Direct Fired Profile Plate Specifications:**

**Direct Fired:** Direct fired burners shall have patented U.S. Patent No. US6629523B2, self-adjusting profile plates designed to maintain burner efficiency and pressure drop. The burner profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 50ppm of carbon monoxide (CO), and 0.50ppm of nitrogen dioxide (NO2).

**Application:**

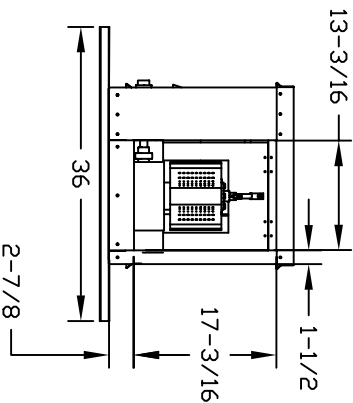
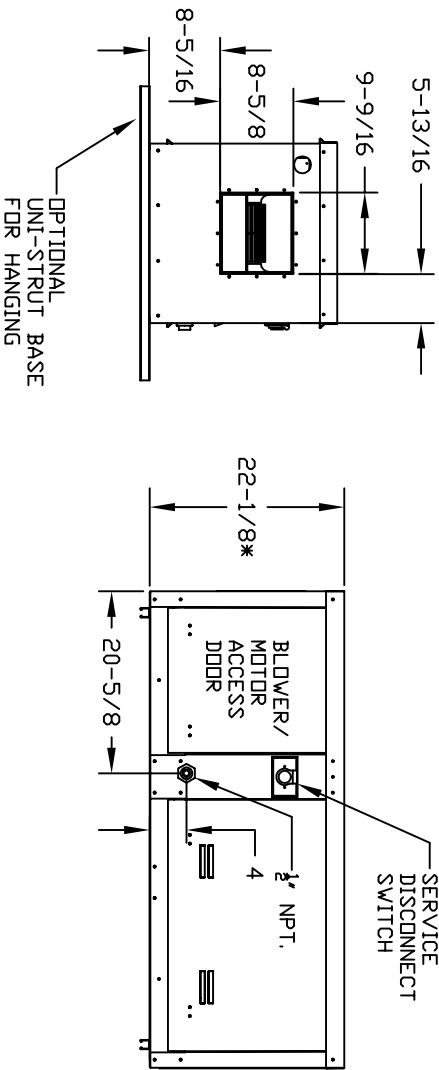
Spring-loaded burner profile plates are engineered to automatically react to the momentum of a fresh air stream, without the need for any motors or actuators to mechanically adjust the plates with this feature, all DF units are designed for demand control ventilation (DCV) requirements.

**Certifications:**

All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combine safety standards ANSI Z83.4 and CSA 3.7 (non-recirculating DF heaters) and ANSI Z83.18 (recirculating DF heaters).

**General Construction:**

-Profile plates shall be formed from G90 galvanized steel.  
-Profile plates shall vary in size per unit.  
-Profile plates shall be mounted along the same plane as the discharge of the burner.  
-Design shall incorporate properly torqued, permanently mounted spring hinges.  
-Spring hinges shall be made from plated steel.



**UNIT INFORMATION:**

MODEL	WEIGHT	BURNER LENGTH	BTU LOW	BTU HIGH	GAS PRESSURE	CFM RANGE
76	305 Lbs	6'	18	225000	5" WC 14" WC	600 1600

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

\*MAIN 2 INCHES 1/2 INCH MINIMUM 1/2 INCH MINIMUM 1/2 INCH MINIMUM