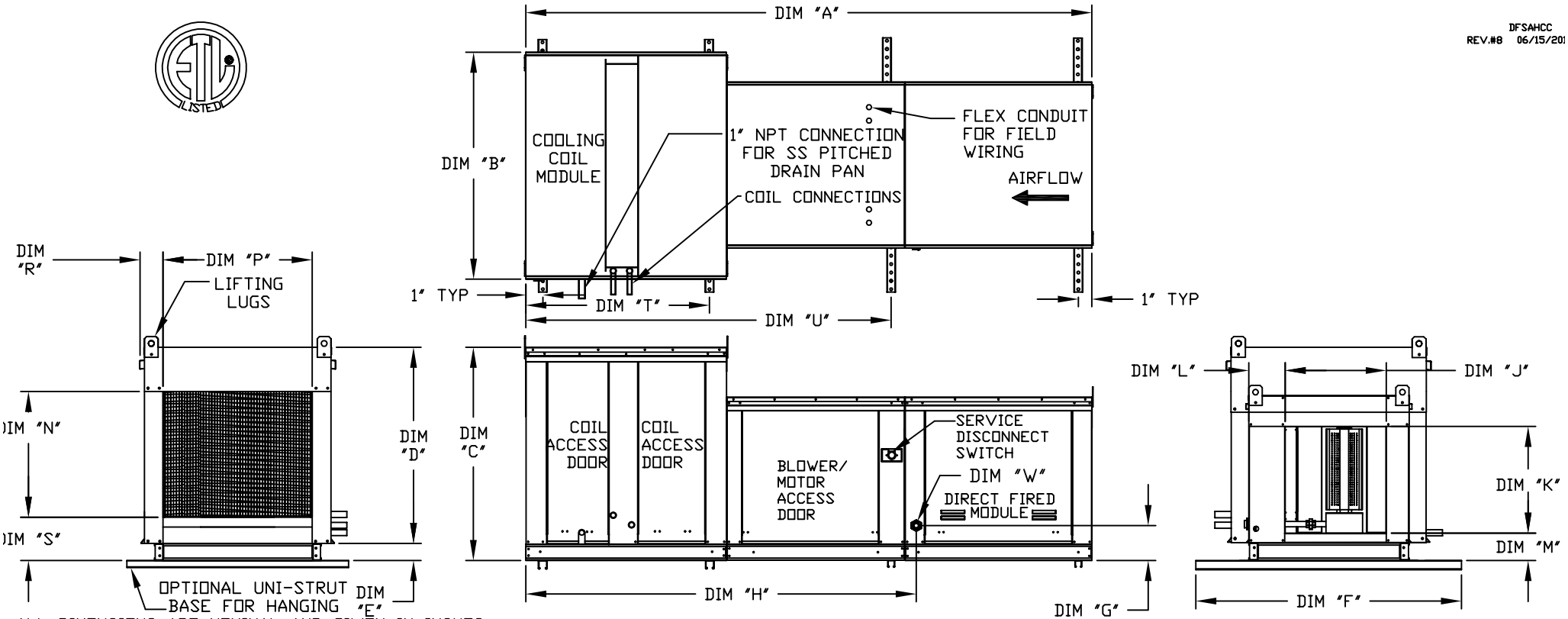
MODULAR INDOOR INLINE DIRECT FIRED HEATER WITH COOLING COIL

DFSAHCC
REV.#8 06/15/20



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

		UNIT DIMENSIONS								INTAKE OPENING				DISCHARGE OPENING					
MODEL	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U
D.250-G10	905 LBS	116-5/8	39-3/8	42-3/4	39	3-3/4	48	7-13/16	77-1/16	16	18	8-1/8	5-3/4	17-1/2	16	11	5-3/4	41-1/8	73-1/4
D.500-G10	910 LBS	116-5/8	39-3/8	42-3/4	39	3-3/4	48	7-13/16	77-1/16	16	18	8-1/8	5-3/4	17-1/2	16	11	5-3/4	41-1/8	73-1/4
D.250-G15	1205 LBS	124-5/8	49-3/8	47-3/4	44	3-3/4	60	7-13/16	85-1/16	22-3/4	24	8-1/8	5-3/4	29-3/4	22-3/4	12-5/8	5-3/4	41-1/8	81-1/4
D.500-G15	1210 LBS	124-5/8	49-3/8	47-3/4	44	3-3/4	60	7-13/16	85-1/16	22-3/4	24	8-1/8	5-3/4	29-3/4	22-3/4	12-5/8	5-3/4	41-1/8	81-1/4
D.750-G15	1215 LBS	124-5/8	49-3/8	47-3/4	44	3-3/4	60	7-13/16	85-1/16	22-3/4	24	8-1/8	5-3/4	29-3/4	22-3/4	12-5/8	5-3/4	41-1/8	81-1/4
D.500-G18	1385 LBS	129-5/8	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	90-1/16	30	30	8-1/8	7-1/2	29-5/8	30	11-1/2	7-3/8	41-1/8	86-1/4
D.750-G18	1390 LBS	129-5/8	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	90-1/16	30	30	8-1/8	7-1/2	29-5/8	30	11-1/2	7-3/8	41-1/8	86-1/4
D.1000-G18	1395 LBS	129-5/8	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	90-1/16	30	30	8-1/8	7-1/2	29-5/8	30	11-1/2	7-3/8	41-1/8	86-1/4
D.1000-920	2205 LBS	172-13/16	60-7/16	64-3/8	59-1/8	5-1/4	72	13-9/16	120-5/8	34	36	10-3/16	7-1/2	36-3/4	34	12-1/2	7-3/8	53-3/16	117-3/8
D.1500-920	2220 LBS	172-13/16	60-7/16	64-3/8	59-1/8	5-1/4	72	13-9/16	120-5/8	34	36	10-3/16	7-1/2	36-3/4	34	12-1/2	7-3/8	53-3/16	117-3/8
D.2000-925	2840 LBS	182-13/16	79-7/16	68-7/16	63-3/16	5-1/4	96	13-3/4	130-3/4	43	43	10-3/16	7-1/2	45-1/4	43	17-1/2	7-3/8	53-3/16	127-3/8
D.2500-925	2855 LBS	182-13/16	79-7/16	68-7/16	63-3/16	5-1/4	96	13-3/4	130-3/4	43	43	10-3/16	7-1/2	45-1/4	43	17-1/2	7-3/8	53-3/16	127-3/8

UNIT INFORMATION.

MODEL	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION
	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"W" (NPT)
D.250-G10	6"	18	275	7" WC	14" WC	3/4
D.500-G10	12"	18	550	7" WC	14" WC	3/4
D.250-G15	6"	18	275	7" WC	14" WC	1
D.500-G15	12"	18	550	7" WC	14" WC	1
D.750-G15	18"	27.5	825	7" WC	14" WC	1
D.500-G18	12"	18	550	7" WC	14" WC	1
D.750-G18	18"	27.5	825	7" WC	14" WC	1
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4
D.2000-925	48"	73.3	2200	7" WC	5 PSI	1-1/2
D.2500-925	60"	91.6	2750	7" WC	5 PSI	1-1/2

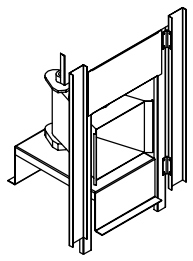
Direct Fired Profile Plate Specifications:

Description:
Direct fired burners shall have patented (US Patent No.: US6629523B2), self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 5ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO_2).

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 them. 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 combined 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.



Direct Fired (DF) Profile Plate Assembly