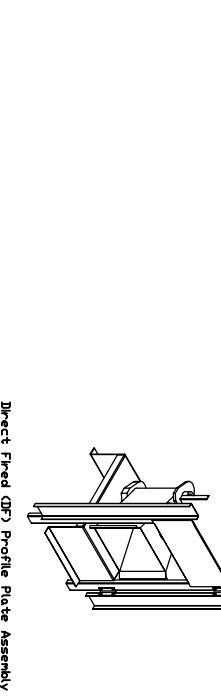


Direct Fired Profile Plate Specifications:
 Direct fired burners shall have patented US Patent No. US6699232B, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 5ppm of carbon monoxide (CO), and 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 them. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.
Construction:
 All profile plate assemblies shall be included in the DF units' ETL listing and comply with combined safety standards ANSI Z83.4 and CSA 37 (encompassing DF heaters) and ANSI Z83.8 (encompassing DF heaters).
General Construction:
 Profile plates shall be formed from 60A galvanized steel.
 Profile plates shall be mounted along the same plane as the discharge of the burner.
 Design shall incorporate spring torqued, permanently mounted spring hinges.
 Spring hinges shall be made from plated steel.



Direct Fired (DF) Profile Plate Assembly

MODEL	WEIGHT*	UNIT DIMENSIONS			CURB/RAIL			DISCHARGE OPENING									
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
D250-G10	1125 LBS	167-1/4	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	95-7/16	21	71	106	166-5/8	3-9/16	13-7/8	36-13/16	11-1/2
D500-G10	1130 LBS	167-1/4	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	95-7/16	21	71	106	166-5/8	3-9/16	13-7/8	36-13/16	11-1/2
D250-G15	1520 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	53-3/8	7-13/16	109-7/16	31	79	124	190-5/8	4-5/16	22-3/8	46-9/16	18
D500-G15	1525 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	53-3/8	7-13/16	109-7/16	31	79	124	190-5/8	4-5/16	22-3/8	46-9/16	18
D750-G15	1530 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	53-3/8	7-13/16	109-7/16	31	79	124	190-5/8	4-5/16	22-3/8	46-9/16	18
D1000-G15	1780 LBS	192-1/4	54-3/8	51-1/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D1500-G15	1785 LBS	192-1/4	54-3/8	51-1/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D1000-G18	1790 LBS	192-1/4	54-3/8	51-1/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D1500-G18	1790 LBS	192-1/4	54-3/8	51-1/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D1000-920	2840 LBS	238-9/16	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	5-1/4	31-1/2	56-13/16	23-1/2
D1500-920	2855 LBS	238-9/16	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	5-1/4	31-1/2	56-13/16	23-1/2

UNIT INFORMATION

MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTER SIZE & QTY	MAX FILTER VELOCITY
				MIN	MAX		MIN	MAX		
D250-G10	6"	18	275	7" WC	14" WC	3/4"	2 Ton	5 Ton	20"x25"x2" (3)	2300 CFM = 348 FPM
D500-G10	12"	18	550	7" WC	14" WC	3/4"	2 Ton	5 Ton	20"x25"x2" (3)	2300 CFM = 348 FPM
D250-G15	6"	18	275	7" WC	14" WC	3/4"	2 Ton	5 Ton	16"x20"x2" (8)	6500 CFM = 428 FPM
D500-G15	12"	18	550	7" WC	14" WC	3/4"	2 Ton	5 Ton	16"x20"x2" (8)	6500 CFM = 428 FPM
D750-G15	18"	275	825	7" WC	14" WC	1"	5 Ton	10 Ton	16"x20"x2" (8)	6500 CFM = 428 FPM
D1000-G15	18"	275	825	7" WC	14" WC	1"	5 Ton	10 Ton	20"x25"x2" (8)	8000 CFM = 348 FPM
D1500-G15	24"	366	1100	7" WC	14" WC	1"	10 Ton	10 Ton	20"x25"x2" (8)	8000 CFM = 348 FPM
D1000-920	24"	366	1100	7" WC	14" WC	1"	10 Ton	10 Ton	16"x20"x2" (15)	21300 CFM = 495 FPM
D1500-920	30"	458	1375	7" WC	5 PSI	1-1/4"	10 Ton	10 Ton	16"x20"x2" (15)	21300 CFM = 495 FPM

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL #	T	U	V **
D101	14-1/2	22	19
D102	14-1/2	22	19
D103	18-1/2	27-1/4	21
D104	23-1/2	32-3/4	24-3/4
D105	29-1/2	38-7/8	28
D106	29-1/2	38-7/8	28
D107	33-1/2	43-3/8	33
D108	33-1/2	43-3/8	33
D109	33-1/2	43-3/8	33
D110	33-1/2	43-3/8	33
D111	33-1/2	43-3/8	33
D112	33-1/2	43-3/8	33
D113	33-1/2	43-3/8	33
D114	33-1/2	43-3/8	33
D115	33-1/2	43-3/8	33
D116	33-1/2	43-3/8	33
D117	33-1/2	43-3/8	33
D118	33-1/2	43-3/8	33
D119	33-1/2	43-3/8	33
D120	33-1/2	43-3/8	33

