

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MAX. ROOF DRAINING 2" SMALLER THAN CURB OUTSIDE DIMENSION

UNIT INFORMATION

MODEL	WEIGHT	BTU RANGE (MBH)										GAS CONNECTION		TONNAGE RANGE		FILTERS		MAX. FILTER VELOCITY			
		A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	MIN		MAX	SIZE	QTY
D1250-G10	1045 LBS	148-7/8	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	77-1/16	21	71	113-1/4	17-1/2	16	11	5-3/4	12.5	20	20"x25"x2" (3)	3	348 FPM
D1500-G10	1050 LBS	148-7/8	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	77-1/16	21	71	113-1/4	17-1/2	16	11	5-3/4	12.5	20	20"x25"x2" (3)	3	348 FPM
D2500-G10	1405 LBS	156-7/8	49-3/8	47-3/4	44	3-3/4	53-5/8	7-13/16	85-1/16	31	79	121-1/4	29-3/4	34	12-5/8	16	20	16"x20"x2" (8)	8	428 FPM	
D3500-G15	1410 LBS	156-7/8	49-3/8	47-3/4	44	3-3/4	53-5/8	7-13/16	85-1/16	31	79	121-1/4	29-3/4	34	12-5/8	16	20	16"x20"x2" (8)	8	428 FPM	
D4500-G15	1415 LBS	156-7/8	49-3/8	47-3/4	44	3-3/4	53-5/8	7-13/16	85-1/16	31	79	121-1/4	29-3/4	34	12-5/8	16	20	16"x20"x2" (8)	8	428 FPM	
D5000-G18	1640 LBS	167-7/8	54-3/8	56-3/8	51-1/8	3-1/4	51-5/8	9-1/2	90-1/16	35	84	126-1/4	29-5/8	30	11-1/2	7-3/8	25	20"x25"x2" (8)	8	348 FPM	
D7500-G18	1640 LBS	167-7/8	54-3/8	56-3/8	51-1/8	3-1/4	51-5/8	9-1/2	90-1/16	35	84	126-1/4	29-5/8	30	11-1/2	7-3/8	25	20"x25"x2" (8)	8	348 FPM	
D10000-G18	1650 LBS	167-7/8	54-3/8	56-3/8	51-1/8	3-1/4	51-5/8	9-1/2	90-1/16	35	84	126-1/4	29-5/8	30	11-1/2	7-3/8	25	20"x25"x2" (8)	8	348 FPM	
D15000-G20	2665 LBS	208-3/16	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	120-5/8	42	115-3/16	169-1/2	36-3/4	34	12-1/2	7-3/8	40	16"x20"x2" (15)	15	495 FPM	
D20000-G20	2665 LBS	208-3/16	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	120-5/8	42	115-3/16	169-1/2	36-3/4	34	12-1/2	7-3/8	40	16"x20"x2" (15)	15	495 FPM	
D25000-G25	3360 LBS	218-3/16	79-7/16	88-7/16	63-3/16	5-1/4	71-3/8	13-3/4	130-3/4	52	125-3/4	179-1/2	45-1/4	43	15-1/5	7-3/8	50	20"x25"x2" (12)	12	609 FPM	
D30000-G25	3375 LBS	218-3/16	79-7/16	88-7/16	63-3/16	5-1/4	71-3/8	13-3/4	130-3/4	52	125-3/4	179-1/2	45-1/4	43	15-1/5	7-3/8	50	20"x25"x2" (12)	12	609 FPM	

UNIT INFORMATION

MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	GAS PRESSURE		TYP. (IN/T)	TONNAGE RANGE		FILTERS		MAX. FILTER VELOCITY
				MIN	MAX		MIN	MAX	SIZE	QTY	
D1250-G10	6"	18	27.5	7" WC	14" WC	3/4	3 Ton	12.5 Ton	20"x25"x2" (3)	3	348 FPM
D1500-G10	12"	18	27.5	7" WC	14" WC	3/4	3 Ton	12.5 Ton	20"x25"x2" (3)	3	348 FPM
D2500-G15	6"	18	27.5	7" WC	14" WC	1	5 Ton	20 Ton	16"x20"x2" (8)	8	428 FPM
D3500-G15	12"	18	27.5	7" WC	14" WC	1	5 Ton	20 Ton	16"x20"x2" (8)	8	428 FPM
D4500-G15	18"	18	27.5	7" WC	14" WC	1	5 Ton	20 Ton	16"x20"x2" (8)	8	428 FPM
D5000-G18	12"	18	27.5	7" WC	14" WC	1	10 Ton	25 Ton	20"x25"x2" (8)	8	348 FPM
D7500-G18	18"	18	27.5	7" WC	14" WC	1	10 Ton	25 Ton	20"x25"x2" (8)	8	348 FPM
D10000-G18	24"	24	36.6	7" WC	14" WC	1	10 Ton	25 Ton	20"x25"x2" (8)	8	348 FPM
D15000-G20	30"	30	45.8	7" WC	5 PSI	1-1/4	20 Ton	40 Ton	16"x20"x2" (15)	15	495 FPM
D20000-G20	48"	48	73.3	7" WC	5 PSI	1-1/2	20 Ton	40 Ton	16"x20"x2" (15)	15	495 FPM
D25000-G25	60"	60	91.6	7" WC	5 PSI	1-1/2	30 Ton	50 Ton	20"x25"x2" (12)	12	609 FPM

Direct Fired Profile Plate Specifications

Direct fired burners shall have patented US Patent No. US6692828, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve CO, and O₂ ppm of nitrogen dioxide (NO₂).

Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of burner flame to maintain a constant air velocity and pressure drop across the burner. Profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve CO, and O₂ ppm of nitrogen dioxide (NO₂).

General Construction: Profile plates shall be formed from 680 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.

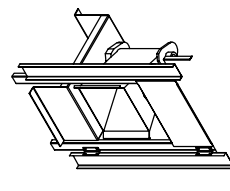
Design shall incorporate properly torqued, permanently mounted spring hinges.

General Construction: Profile plates shall be formed from 680 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.



Direct Fired (DF) Profile Plate Assembly