



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

CURB/RAIL COMBINATION USED IN PLACE OF SINGLE CURB ON UNITS WITH 20" AND 25" BLOWERS

MODEL	WEIGHT	UNIT DIMENSIONS											CURB/RAIL		DISCHARGE OPENING		
		A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	
D-250-G10	1000 LBS	148-7/8	39-3/8	42-3/4	39	3-3/4	22-3/8	7-13/16	77-1/16	21	71	113-1/4	17-1/2	16	11	5-3/4	
D-500-G10	1005 LBS	148-7/8	39-3/8	42-3/4	39	3-3/4	22-3/8	7-13/16	77-1/16	21	71	113-1/4	17-1/2	16	11	5-3/4	
D-250-G15	1340 LBS	156-7/8	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	85-1/16	31	79	121-1/4	29-3/4	22-3/4	12-5/8	5-3/4	
D-500-G15	1345 LBS	156-7/8	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	85-1/16	31	79	121-1/4	29-3/4	22-3/4	12-5/8	5-3/4	
D-750-G15	1330 LBS	156-7/8	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	85-1/16	31	79	121-1/4	29-3/4	22-3/4	12-5/8	5-3/4	
D-300-G18	1550 LBS	167-7/8	54-3/8	56-3/8	51-1/8	5-1/4	34-3/16	9-1/2	90-1/16	35	84	126-1/4	29-5/8	30	11-1/2	7-3/8	
D-750-G18	1555 LBS	167-7/8	54-3/8	56-3/8	51-1/8	5-1/4	34-3/16	9-1/2	90-1/16	35	84	126-1/4	29-5/8	30	11-1/2	7-3/8	
D-1000-G18	1560 LBS	167-7/8	54-3/8	56-3/8	51-1/8	5-1/4	34-3/16	9-1/2	90-1/16	35	84	126-1/4	29-5/8	30	11-1/2	7-3/8	
D-1000-920	2440 LBS	208-3/16	60-7/16	64-3/8	59-1/8	5-1/4	47-1/4	13-9/16	120-5/8	42	115-3/16	169-1/2	36-3/4	34	12-1/2	7-3/8	
D-1500-920	2435 LBS	208-3/16	60-7/16	64-3/8	59-1/8	5-1/4	47-1/4	13-9/16	120-5/8	42	115-3/16	169-1/2	36-3/4	34	12-1/2	7-3/8	
D-2000-925	3135 LBS	218-3/16	79-7/16	68-7/16	63-3/16	5-1/4	49-3/8	13-3/4	130-3/4	52-3/4	125-3/16	179-1/2	45-1/4	43	15-1/2	7-3/8	
D-2500-925	3150 LBS	218-3/16	79-7/16	68-7/16	63-3/16	5-1/4	49-3/8	13-3/4	130-3/4	52-3/4	125-3/16	179-1/2	45-1/4	43	15-1/2	7-3/8	

UNIT INFORMATION.

MODEL	BURNER LENGTH	BTU RANGE (MBH)		GAS PRESSURE		GAS CONNECTION		TONNAGE RANGE		FILTERS	
		BTU LOW	BTU HIGH	MIN	MAX	1" (NPT)	3/4" (NPT)	MIN	MAX	FILTER SIZE & QTY	MAX. FILTER VELOCITY
D-250-G10	6"	18	275	7" WC	14" WC	3/4	3/4	3 Ton	12.5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM
D-500-G10	12"	18	550	7" WC	14" WC	3/4	3/4	3 Ton	12.5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM
D-250-G15	6"	18	275	7" WC	14" WC	1	1	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D-500-G15	12"	18	550	7" WC	14" WC	1	1	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D-750-G15	12"	18	825	7" WC	14" WC	1	1	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D-1000-G18	12"	18	825	7" WC	14" WC	1	1	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D-1500-G18	12"	18	825	7" WC	14" WC	1	1	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D-2000-920	30"	30	1100	7" WC	5" PSI	1-1/4	1-1/4	20 Ton	40 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM
D-2500-925	48"	48	1375	7" WC	5" PSI	1-1/2	1-1/2	30 Ton	50 Ton	20"x25"x2" (12)	@21000 CFM = 609 FPM
D-2500-925	60"	60	2750	7" WC	5" PSI	1-1/2	1-1/2	30 Ton	50 Ton	20"x25"x2" (12)	@21000 CFM = 609 FPM

Description: Direct fired burners shall have patented US Patent No. US669232B2, 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 lighting by-product levels to a maximum of 5ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of the burner flame and adjust the burner air velocity to maintain clean combustion. The burner profile plates shall adjust the burner air velocity to maintain clean combustion. The burner profile plates shall adjust the burner air velocity to maintain clean combustion.

General Construction: Burner 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 proper torque, permanently mounted spring hinges.

Direct Fired (DF) Profile Plate Assembly