

20 INCH HIGH EQUIPMENT CURB
 ** 9 INCH HIGH EXHAUST ADAPTER MAY BE REQUIRED
 CURB/RAIL COMBINATION USED ON UNITS WITH 20" BLOWERS

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

EXHAUST UNIT DIMENSIONS			
MODEL #	Y	Z	ZZ **
DJ12HFA	14-1/2	22	19
NCA8FA	18-1/2	27-1/4	21
DJ15HFA			
DJ18HFA			
NCA10FA	21-1/2	30-1/4	21
NCA14FA			
DJ20HFA			
NCA16FA	23	33-3/4	24-3/4
DJ25HFA			
DJ30HFA			
NCA18FA	23-1/2	39-3/8	28
NCA24FA	29-1/2	38-7/8	28
NCA30FA	30-5/8	43-3/8	33
	33-1/2	52-3/4	40

MODEL	WEIGHT	UNIT DIMENSIONS										CURB/RAIL				DISCHARGE OPENING				RETURN DAMPER OPENING			
		A	B	C	D	E	F	G	H	J	K	L	M	MM	N	P	R	S	T	U	V	W	X
D.250-G10	1260 LBS	209-1/2	39-3/8	42-3/4	39	3-3/4	22-3/8	7-13/16	95-7/16	21	71	106	166-5/8	198-1/16	3-9/16	13-7/8	36-13/16	11-1/2	14	8	14	12-1/2	18
D.500-G10	1265 LBS	209-1/2	39-3/8	42-3/4	39	3-3/4	22-3/8	7-13/16	95-7/16	21	71	106	166-5/8	198-1/16	3-9/16	13-7/8	36-13/16	11-1/2	14	8	14	12-1/2	18
D.250-G15	1705 LBS	223-1/2	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	109-7/16	31	79	124	190-5/8	227-1/16	4-5/16	22-3/8	46-9/16	18	22-3/4	8	11	7-1/2	24
D.500-G15	1710 LBS	223-1/2	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	109-7/16	31	79	124	190-5/8	227-1/16	4-5/16	22-3/8	46-9/16	18	22-3/4	8	11	7-1/2	24
D.750-G15	1715 LBS	223-1/2	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	109-7/16	31	79	124	190-5/8	227-1/16	4-5/16	22-3/8	46-9/16	18	22-3/4	8	11	7-1/2	24
D.500-G18	2020 LBS	234-1/2	54-3/8	56-3/8	51-1/8	5-1/4	34-3/16	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30
D.750-G18	2025 LBS	234-1/2	54-3/8	56-3/8	51-1/8	5-1/4	34-3/16	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30
D.1000-G18	2030 LBS	234-1/2	54-3/8	56-3/8	51-1/8	5-1/4	34-3/16	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30
D.1000-920	3205 LBS	292-7/8	60-7/16	64-3/8	59-1/8	5-1/4	47-1/4	13-9/16	151	42	115-3/16	171-3/16	255-7/8	303-7/8	5-1/4	31-1/2	56-13/16	23-1/2	33	10	11	8	36
D.1500-920	3220 LBS	292-7/8	60-7/16	64-3/8	59-1/8	5-1/4	47-1/4	13-9/16	151	42	115-3/16	171-3/16	255-7/8	303-7/8	5-1/4	31-1/2	56-13/16	23-1/2	33	10	11	8	36

MODEL		BTU RANGE (MBH)		GAS PRESSURE		GAS CONNECTION		TOWNSHIP RANGE		FILTERS	
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"I" (NPT)	MIN	MAX	FILTER SIZE & QTY	MAX. FILTER VELOCITY	
D.250-G10	6"	18	275	7" WC	14" WC	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 Ton	12.5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM	
D.250-G15	6"	18	275	7" WC	14" WC	1	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM	
D.500-G15	12"	18	550	7" WC	14" WC	1	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM	
D.750-G15	18"	27.5	825	7" WC	14" WC	1	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM	
D.500-G18	12"	18	550	7" WC	14" WC	1	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM	
D.750-G18	18"	27.5	825	7" WC	14" WC	1	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM	
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM	
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4	20 Ton	40 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM	
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4	20 Ton	40 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM	

OPTIONAL MIXING BOX FILTERS	
FILTER SIZE & QTY	
10"x16"x2" (5)	
10"x16"x2" (5)	
20"x25"x2" (2), 16"x25"x2" (1)	
20"x25"x2" (2), 16"x25"x2" (1)	
20"x25"x2" (4), 15"x15"x2" (2)	
15"x20"x2" (4), 15"x15"x2" (2)	
15"x20"x2" (4), 15"x15"x2" (2)	
18"x25"x2" (4), 16"x20"x2" (2)	
18"x25"x2" (4), 16"x20"x2" (2)	

MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

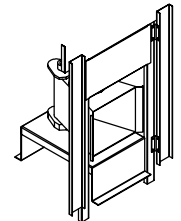
Direct Fired Profile Plate Specifications:

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 (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.

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.



Direct Fired (DF) Profile Plate Assembly