

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	A	B	C	D	E	F	G	H	J	K	M	N	P	R	S	T	U	V	X	Z	ZZ	ZZZ	AA	AB	AC	AD
D250-G10	148-7/8	27-3/8	29-3/4	25-1/6	3-3/4	36/1-13/16	34-13/16	3-1/8	16-3/4	21-7/8	13-1/4	13-1/4	11-1/2	6-3/8	11-7/8	14	8	14	1831-1/8	73-1/4	115-3/8	4-1/2	5-1/4	13	15	
D500-G10	148-7/8	27-3/8	29-3/4	25-1/6	3-3/4	36/1-13/16	34-13/16	3-1/8	16-3/4	21-7/8	13-1/4	13-1/4	11-1/2	6-3/8	11-7/8	14	8	14	1831-1/8	73-1/4	115-3/8	4-1/2	5-1/4	13	15	
D250-G13	156-7/8	37-3/8	36-3/4	33-1/16	3-3/4	48/1-13/16	42-13/16	5-1/8	24-3/4	28-7/8	18-3/4	18-3/4	16	8-5/8	14-1/16	22-3/4	8	11	2439-1/8	81-1/4	123-3/8	4-1/2	5-1/4	18	16	
D500-G13	156-7/8	37-3/8	36-3/4	33-1/16	3-3/4	48/1-13/16	42-13/16	5-1/8	24-3/4	28-7/8	18-3/4	18-3/4	16	8-5/8	14-1/16	22-3/4	8	11	2439-1/8	81-1/4	123-3/8	4-1/2	5-1/4	18	16	
D750-G18	167-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	33-7/8	22	22	22	17-7/8	28	8	7	3044-1/8	86-1/4	128-3/8	4-1/2	5-3/4	20	19	
D500-G18	167-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	33-7/8	22	22	17-7/8	28	8	7	3044-1/8	86-1/4	128-3/8	4-1/2	5-3/4	20	19		
D1000-G18	167-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	33-7/8	22	22	17-7/8	28	8	7	3044-1/8	86-1/4	128-3/8	4-1/2	5-3/4	20	19		
D1500-G20	208-3/16	48-1/8	51-3/8	46-1/8	5-1/4	60	13-9/16	66-5/16	4-5/8	36-1/4	41-7/8	24-7/8	24-7/8	11-1/16	19	33	10	11	3663-3/16	117-3/8	171-9/16	4-1/2	5-3/4	23-1/2	17-1/2	
D2500-G25	218-3/16	59-3/16	58-3/8	53-1/8	5-1/4	72	13-3/4	76-7/16	4-5/8	47	48-7/8	31-3/8	31-3/8	13-3/16	21-1/4	43	10	6-1/2	4373-3/16	127-3/8	181-9/16	4-1/2	5-3/4	28-7/8	17-1/2	
D2500-G25	218-3/16	59-3/16	58-3/8	53-1/8	5-1/4	72	13-3/4	76-7/16	4-5/8	47	48-7/8	31-3/8	31-3/8	13-3/16	21-1/4	43	10	6-1/2	4373-3/16	127-3/8	181-9/16	4-1/2	5-3/4	28-7/8	17-1/2	

MODEL	BURNER	BTU RANGE (AMB)	GAS PRESSURE		GAS CONNECTION	STANDARD EVAPORATIVE COOLING UNIT		CELDEK EVAPORATIVE COOLING UNIT		OPTIONAL MIXING BOX FILTERS						
			MIN.	MAX.		TOT. WEIGHT	MEDIA SIZE & QTY	VEL. & MAX. CFM	NOZZLES	MAX. FLOW RATE	TOT. WEIGHT	MEDIA SIZE & QTY	VEL. & MAX. CFM	NOZZLES	MAX. FLOW RATE	FILTER SIZE & QTY
D250-G10	6"	18	2/5	14"	WC	835 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	840 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH	20"x25"x2" (2), 16"x25"x2" (1)
D500-G10	12"	18	5/50	14"	WC	840 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	845 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH	20"x25"x2" (2), 16"x25"x2" (1)
D250-G13	6"	18	2/5	14"	WC	1170 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1165 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	20"x25"x2" (2), 16"x25"x2" (1)
D500-G13	12"	18	5/50	14"	WC	1170 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1175 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	20"x25"x2" (2), 16"x25"x2" (1)
D750-G18	12"	18	8/25	14"	WC	1400 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1390 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	15"x20"x2" (4), 15"x15"x2" (2)
D500-G18	18"	18	5/50	14"	WC	1400 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1395 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	15"x20"x2" (4), 15"x15"x2" (2)
D750-G18	12"	27.5	8/25	14"	WC	1400 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1400 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	15"x20"x2" (4), 15"x15"x2" (2)
D500-G18	18"	27.5	8/25	14"	WC	1400 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1400 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	15"x20"x2" (4), 15"x15"x2" (2)
D1000-G18	24"	36.6	11/100	14"	WC	2245 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	2215 LBS	38"x43"x12"	1322 FPM	35	10.5 GPH	18"x25"x2" (4), 16"x20"x2" (2)
D1500-G20	24"	45.8	13/75	14"	WC	2245 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	2215 LBS	38"x43"x12"	1322 FPM	35	10.5 GPH	18"x25"x2" (4), 16"x20"x2" (2)
D2500-G25	48"	73.3	22/200	14"	WC	2915 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	2875 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)
D2500-G25	60"	91.6	27/50	14"	WC	2930 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	2890 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)

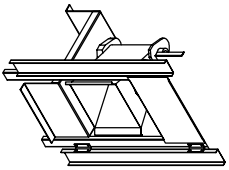
MAX. EVAP WATER PRESSURE = 50 PSI @ 70 DEG. F

### Direct Fired Profile Plate Specifications

Direct fired burners shall have patented US Patent No. US6629323B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve CO, clean combustion by listing by product levels to a maximum of 5ppm or carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Profile plates are engineered to automatically react to the momentary of burner flame fluctuations. Profile plates are designed to meet the requirements of safety standards ANSI Z89.4 and CSA 3.7 non-recirculating JP heaters and ANSI Z89.18 recirculating JP heaters.

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