



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MAX. ROOF OPENING 2" SMALLER THEN CURB OUTSIDE DIMENSION. EQUIPMENT LEG

CURB/RAIL COMBINATION USED IN PLACE OF SINGLE CURB 20' AND 25' BLOWERS

MODEL	UNIT DIMENSIONS										STANDARD EVAPORATIVE COOLING UNIT										CELDEK EVAPORATIVE COOLING UNIT																								
	A	B	C	D	E	F	G	H	I	J	K	N	P	R	S	U	V	X	Y	TOT. WEIGHT	MEDIA SIZE & QTY	VEL. & MAX. CFM/MIN/ZZL/EST	MAX. FLOW RATE	TOT. WEIGHT	MEDIA SIZE & QTY	VEL. & MAX. CFM/MIN/ZZL/EST	MAX. FLOW RATE																		
D.250-G10	106-5/8	27-3/8	29-3/4	26-1/16	3-3/4	4/22	3/8	7-13/16	34-13/16	21	71	13-1/4	11-1/2	3-7/8	5-9/16	4-1/2	6-1/4	13	16	710	LBS	20"x24"x12"	406 FPM	6	3	GPH	1050 FPM	12	3.9	GPH	715	LBS	20"x24"x12"	406 FPM	6	3	GPH	1050 FPM	12	3.9	GPH				
D.500-G10	106-5/8	27-3/8	29-3/4	26-1/16	3-3/4	4/22	3/8	7-13/16	34-13/16	21	71	13-1/4	11-1/2	3-7/8	5-9/16	4-1/2	6-1/4	13	16	990	LBS	16"x20"x2"	(8)	429	FPM	10	5	GPH	1080 FPM	20	6.5	GPH	995	LBS	16"x20"x2"	(8)	429	FPM	10	5	GPH	1080 FPM	20	6.5	GPH
D.250-G15	114-5/8	37-3/8	36-3/4	33-1/16	3-3/4	3/16	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16	4-1/2	6-1/4	18	18	16	1000	LBS	16"x20"x2"	(8)	429	FPM	10	5	GPH	1080 FPM	20	6.5	GPH	995	LBS	25"x32"x12"	(8)	1080	FPM	20	6.5	GPH	1080 FPM	20	6.5	GPH
D.500-G15	114-5/8	37-3/8	36-3/4	33-1/16	3-3/4	3/16	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16	4-1/2	6-1/4	18	18	16	1170	LBS	20"x25"x2"	(8)	348	FPM	14	7	GPH	1067 FPM	28	8.4	GPH	1165	LBS	30"x36"x12"	(8)	1067	FPM	28	8.4	GPH	1067 FPM	28	8.4	GPH
D.750-G15	114-5/8	37-3/8	36-3/4	33-1/16	3-3/4	3/16	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16	4-1/2	6-1/4	18	18	16	1180	LBS	20"x25"x2"	(8)	348	FPM	14	7	GPH	1067 FPM	28	8.4	GPH	1175	LBS	30"x36"x12"	(8)	1067	FPM	28	8.4	GPH	1067 FPM	28	8.4	GPH
D.1000-G18	125-5/8	41-3/8	43-3/8	38-1/16	5-1/4	3/4	84	84	22	22	22	19	6-1/2	10-5/16	4-1/2	5-3/4	20	19	19	1825	LBS	16"x20"x2"	(15)	572	FPM	24	12	GPH	1322 FPM	35	10.5	GPH	1825	LBS	38"x43"x12"	(15)	1322	FPM	35	10.5	GPH	1322 FPM	35	10.5	GPH
D.1500-G18	125-5/8	41-3/8	43-3/8	38-1/16	5-1/4	3/4	84	84	22	22	22	19	6-1/2	10-5/16	4-1/2	5-3/4	20	19	19	1870	LBS	16"x20"x2"	(15)	572	FPM	24	12	GPH	1322 FPM	35	10.5	GPH	1870	LBS	38"x43"x12"	(15)	1322	FPM	35	10.5	GPH	1322 FPM	35	10.5	GPH
D.2000-G20	153-7/8	48-7/16	51-3/8	46-1/8	5-1/4	4-1/4	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8	4-1/2	5-3/4	23-1/2	17-1/2	17-1/2	2475	LBS	20"x25"x2"	(12)	638	FPM	30	15	GPH	1304 FPM	42	12.6	GPH	2439	LBS	45"x54"x12"	(12)	1304	FPM	42	12.6	GPH	1304 FPM	42	12.6	GPH
D.2500-G25	163-7/8	59-3/16	58-3/8	53-1/8	5-1/4	4-1/4	13-3/4	76-7/16	52-3/4	125-3/4	31-3/8	31-3/8	10-11/16	12-7/8	4-1/2	5-3/4	28-7/8	17-1/2	17-1/2	2500	LBS	20"x25"x2"	(12)	638	FPM	30	15	GPH	1304 FPM	42	12.6	GPH	2450	LBS	45"x54"x12"	(12)	1304	FPM	42	12.6	GPH	1304 FPM	42	12.6	GPH

UNIT INFORMATION

MODEL	BURNER BTU RANGE (MBH)		GAS PRESSURE		GAS CONNECTION	
	LENGTH	BTU LOW / BTU HIGH	MIN	MAX	"T"	QNTY
D.250-G10	6"	18	7" WC	14" WC	3/4	3/4
D.500-G10	12"	18	7" WC	14" WC	3/4	3/4
D.250-G15	6"	18	7" WC	14" WC	1	1
D.500-G15	12"	18	7" WC	14" WC	1	1
D.750-G15	18"	18	7" WC	14" WC	1	1
D.1000-G18	12"	18	7" WC	14" WC	1	1
D.1500-G18	18"	18	7" WC	14" WC	1	1
D.2000-G20	24"	36.6	7" WC	14" WC	1-1/4	1-1/4
D.2500-G25	30"	43.8	7" WC	5 PSI	1-1/4	1-1/4
D.1500-G20	48"	73.3	7" WC	5 PSI	1-1/2	1-1/2
D.2500-G25	60"	91.6	7" WC	5 PSI	1-1/2	1-1/2

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

Direct Fired Profile Plate Specifications

Direct fired burners shall have patented US Patent No. US6629238B2, 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 50ppm 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 dry motors or actuators to mechanically adjust them.

With this feature, all JP units are designed for demand control ventilation (DCV) requirements.

Certifications: The assemblies shall be included in the JP units' ETL listing and comply with combined safety standards ANSI Z83.4 and CSA 3.7 commencing with JP heaters and ANSI Z83.18 (re-circulating JP heaters).

General Construction: Burner profile plates shall be formed from 590 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

