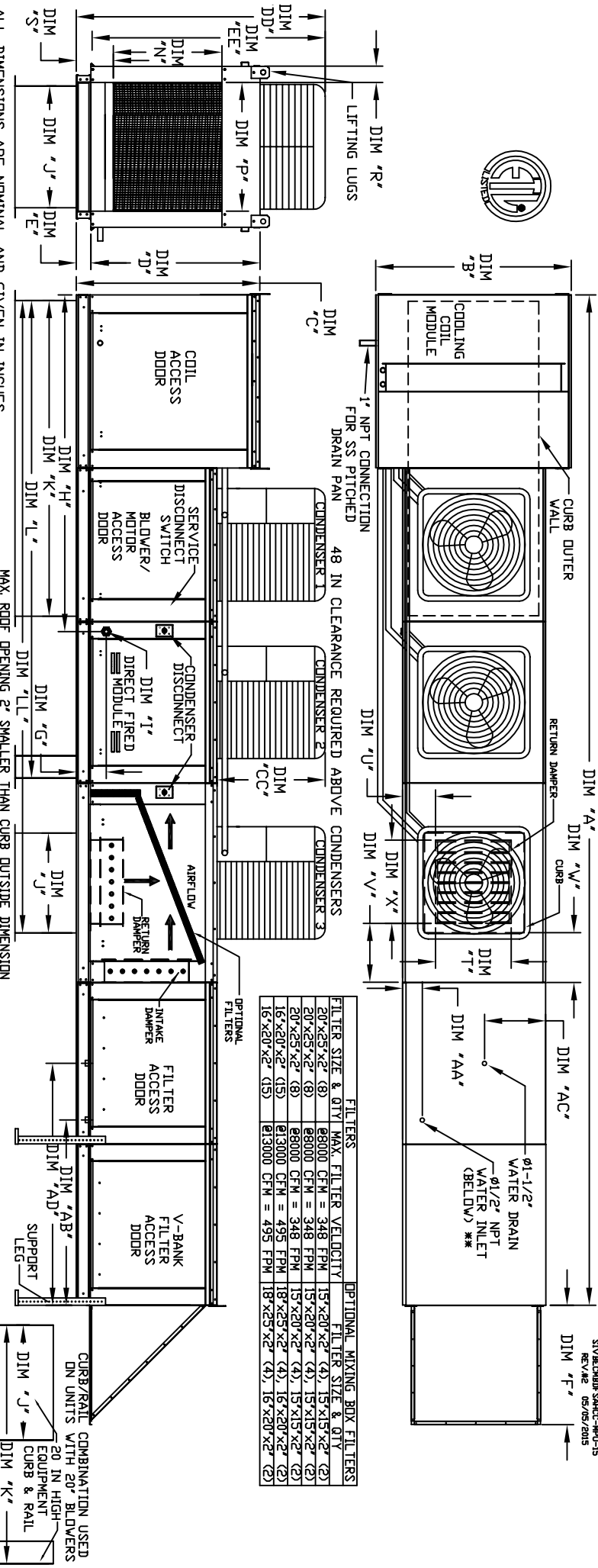


MODULAR OUTDOOR SIDE DISCHARGE DIRECT FIRED RECIRCULATING HEATER WITH COOLING, EVAPORATIVE COOLER INTAKE, V-BANK AND SCREEN INTAKE

REVISED 05/05/2015



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MAX ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

MODEL	UNIT DIMENSIONS										CURB/RAIL	DISCHARGE OPENING		RETURN OPENING		WATER INLET		DRAIN OPENING					
	A	B	C	D	E	F	G	H	J	K		L	N	R	S	U	V	AA	AB	AC	AD		
D-500-G18	248-3/8	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	203-5/16	29-5/8	30	11-1/2	7-3/8	8	7	30	4-1/2	44	20	57-1/4
D-750-G18	248-3/8	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	203-5/16	29-5/8	30	11-1/2	7-3/8	8	7	30	4-1/2	44	20	57-1/4
D-1000-G18	248-3/8	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	203-5/16	29-5/8	30	11-1/2	7-3/8	8	7	30	4-1/2	44	20	57-1/4
D-1000-920	297-7/8	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	252-7/8	36-3/4	34	12-1/2	7-3/8	10	11	36	4-1/2	44	20	57-1/4
D-1500-920	297-7/8	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	252-7/8	36-3/4	34	12-1/2	7-3/8	10	11	36	4-1/2	44	20	57-1/4

MODEL	BURNER BTU RANGE (GMB)		GAS PRESSURE		TONGUE RANGE		STANDARD EVAPORATIVE COOLING UNIT		CELDEK EVAPORATIVE COOLING UNIT		
	BTU LOW	BTU HIGH	MIN	MAX	MIN	MAX	TOT. WEIGHT	MEDIA SIZE & QTY	VEL. & MAX. CFM	NOZZLES	MAX. FLOW RATE
D-500-G18	12	18	5.50	7.0	15 TON	15 TON	2120 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
D-750-G18	18	27.5	8.25	10.0	15 TON	15 TON	2125 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
D-1000-G18	24	36.6	11.00	14.0	15 TON	15 TON	2130 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
D-1000-920	24	36.6	11.00	14.0	15 TON	15 TON	3343 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
D-1500-920	30	45.8	13.75	17.0	15 TON	15 TON	3360 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH

MODEL	CONDENSER INFORMATION			CC	DD	EE
	WEIGHT*	#1 TONNAGE	#2 TONNAGE			
15 TON-G18S88	5 LBS	5 TON	5 TON	73-5/16	68-1/16	
15 TON-920S88	5 LBS	5 TON	5 TON	73-5/16	68-1/16	

UNIT INFORMATION

Direct Fired Profile Plate Specification

Direct fired burners shall have patented US Patent No. US6692632B2, 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 lifting by-product levels to a minimum of 50ppm of carbon monoxide (CO), and 50ppm of nitrogen dioxide (NO2).

Application:

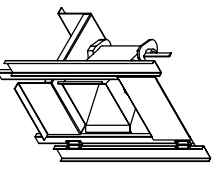
Spring loaded burner profile plates are engineered to automatically react to the operation of the burner. Burner profile plates are designed to automatically adjust burners to maintain a constant flame and prevent flameout or extinguish to mechanically adjust burners. With this feature, all DF units 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 attached to the burner assembly with a spring loaded burner profile plate.
- Design shall incorporate properly engaged, permanently mounted spring fingers.
- Spring fingers shall be made from plated steel.



Direct Fired DF Profile Plate Assembly