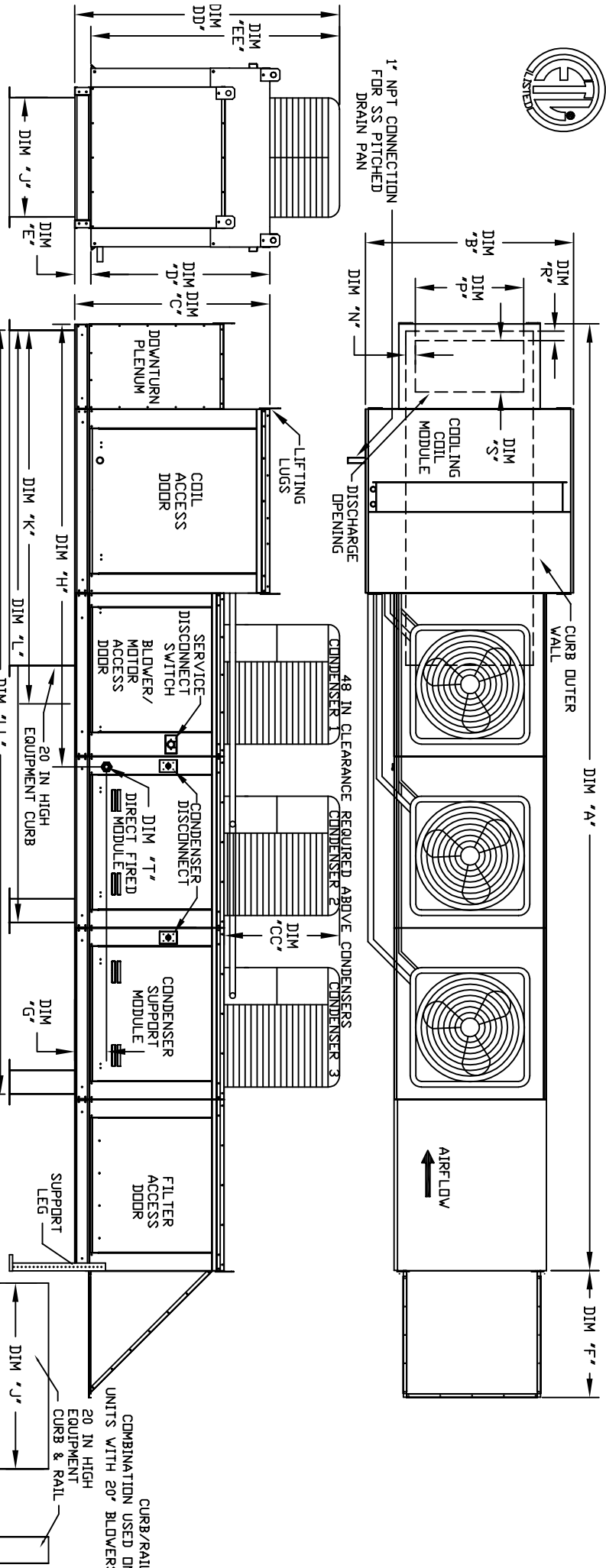


MODULAR OUTDOOR DOWN DISCHARGE DIRECT FIRED HEATER PACKAGED UNIT WITH COOLING, V-BANK AND SCREEN INTAKE

STV-BF-SMCDP-4PU-15
REV #4 06/15/2015



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	UNIT DIMENSIONS											CURB/RAIL		DISCHARGE OPENING				
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S		
D.500-G18	1750	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	150-5/8	192-7/8	6-5/16	22-3/8	1-1/2	18	
D.750-G18	1755	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	150-5/8	192-7/8	6-5/16	22-3/8	1-1/2	18	
D.1000-G18	1760	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	150-5/8	192-7/8	6-5/16	22-3/8	1-1/2	18	
D.1000-920	2745	293-7/8	60-7/16	64-3/8	59-1/8	5-1/4	47-1/4	13-9/16	151	42	115-3/16	199-13/16	254-1/8	5-1/4	31-1/2	1-13/16	23-1/2	
D.1500-920	2760	293-7/8	60-7/16	64-3/8	59-1/8	5-1/4	47-1/4	13-9/16	151	42	115-3/16	199-13/16	254-1/8	5-1/4	31-1/2	1-13/16	23-1/2	

UNIT INFORMATION

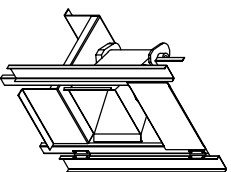
MODEL	BTU RANGE (GBH)			GAS PRESSURE		GAS CONNECTION		TONNAGE RANGE		FILTERS	
	BTU LOW	BTU HIGH	MIN	MAX	WT (NPT)	MIN	MAX	FILTER SIZE & QTY	MAX FILTER VELOCITY		
D.500-G18	12	18	350	7" WC	14" WC	1	15 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM		
D.750-G18	18	27.5	825	7" WC	14" WC	1	15 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM		
D.1000-G18	24	36.6	1100	7" WC	14" WC	1	15 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM		
D.1000-920	24	36.6	1100	7" WC	5 PSI	1-1/4	15 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM		
D.1500-920	30	45.8	1375	7" WC	5 PSI	1-1/4	15 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM		

ADD CONDENSING UNIT WEIGHT TO WEIGHT IN TABLE ABOVE

CONDENSER INFORMATION

MODEL	TONNAGE			CC	DD	EE
	#1	#2	#3			
D.500-G18	5 TON	5 TON	5 TON	32-13/16	76-3/16	70-7/8
D.750-G18	5 TON	5 TON	5 TON	32-13/16	97-3/16	91-15/16
D.1000-G18	5 TON	5 TON	5 TON	32-13/16	97-3/16	91-15/16
D.1000-920	5 TON	5 TON	5 TON	32-13/16	97-3/16	91-15/16
D.1500-920	5 TON	5 TON	5 TON	32-13/16	97-3/16	91-15/16

R410A REFRIGERANT



Direct Fired (DF) Profile Plate Assembly

Description:
Direct fired burners shall have patented US Patent No. US6669232B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall be made of aluminum alloy and shall be finished with an anodized aluminum coating. Maximum RPM of burner shall be 1750 RPM. Burner shall be of the design of the manufacturer (NAB).

Application:
Direct fired 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.

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.

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 Z83.8 (recirculating DF heaters).