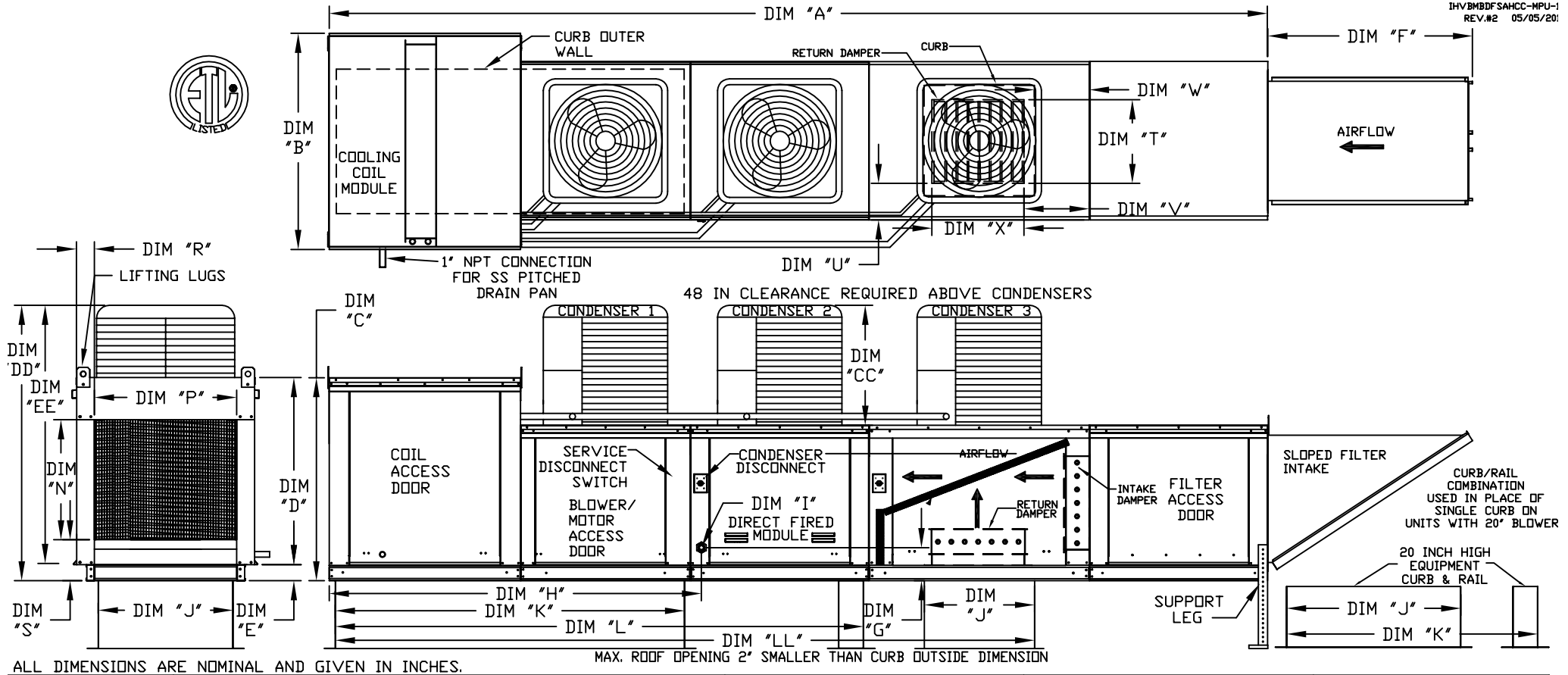
MODULAR OUTDOOR SIDE DISCHARGE DIRECT FIRED RECIRCULATING HEATER WITH COOLING, V-BANK AND INTAKE HOOD

IHVBMBDFSAHCC-MPU-1
REV.#2 05/05/20



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

		UNIT DIMENSIONS								CURB/RAIL				DISCHARGE OPENING				RETURN OPENING				
MODEL	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	LL	N	P	R	S	T	U	V	W	X
D.500-G18	1920 LBS	210-1/8	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	90-1/16	35	84	126-1/4	165-11/16	29-5/8	30	11-1/2	7-3/8	28	8	7	4-1/2	30
D.750-G18	1925 LBS	210-1/8	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	90-1/16	35	84	126-1/4	165-11/16	29-5/8	30	11-1/2	7-3/8	28	8	7	4-1/2	30
D.1000-G18	1930 LBS	210-1/8	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	90-1/16	35	84	126-1/4	165-11/16	29-5/8	30	11-1/2	7-3/8	28	8	7	4-1/2	30
D.1000-920	3125 LBS	262-1/2	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	120-5/8	42	115-3/16	169-1/2	217-1/2	36-3/4	34	12-1/2	7-3/8	33	10	11	8	36
D.1500-920	3140 LBS	262-1/2	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	120-5/8	42	115-3/16	169-1/2	217-1/2	36-3/4	34	12-1/2	7-3/8	33	10	11	8	36

UNIT INFORMATION.

	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTERS		OPTIONAL MIXING BOX FILTERS
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"I" (NPT)	MIN	MAX	FILTER SIZE & QTY	MAX. FILTER VELOCITY	FILTER SIZE & QTY
D.500-G18	12"	18	550	7" WC	14" WC	1	15 Ton	15 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM	15"x20"x2" (4), 15"x15"x2" (2)
D.750-G18	18"	27.5	825	7" WC	14" WC	1	15 Ton	15 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM	15"x20"x2" (4), 15"x15"x2" (2)
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1	15 Ton	15 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM	15"x20"x2" (4), 15"x15"x2" (2)
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4	15 Ton	15 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM	18"x25"x2" (4), 16"x20"x2" (2)
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4	15 Ton	15 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM	18"x25"x2" (4), 16"x20"x2" (2)

*ADD CONDENSING UNIT WEIGHT TO WEIGHT IN TABLE ABOVE

		CONDENSER INFORMATION					
		TONNAGE					
MODEL	WEIGHT*	#1	#2	#3	CC	DD	EE
15 TON-G18	588 LBS	5 TON	5 TON	5 TON	29-15/16	73-5/16	68-1/16
15 TON-920	588 LBS	5 TON	5 TON	5 TON	29-15/16	94-5/16	89-1/16

R410A REFRIGERANT

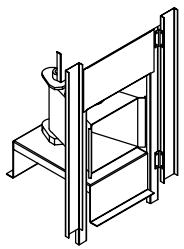
Direct Fired Profile Plate Specifications:

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 (NO_2).

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.
-Spring hinges shall be made from plated steel.



Direct Fired (DF) Profile Plate Assembly