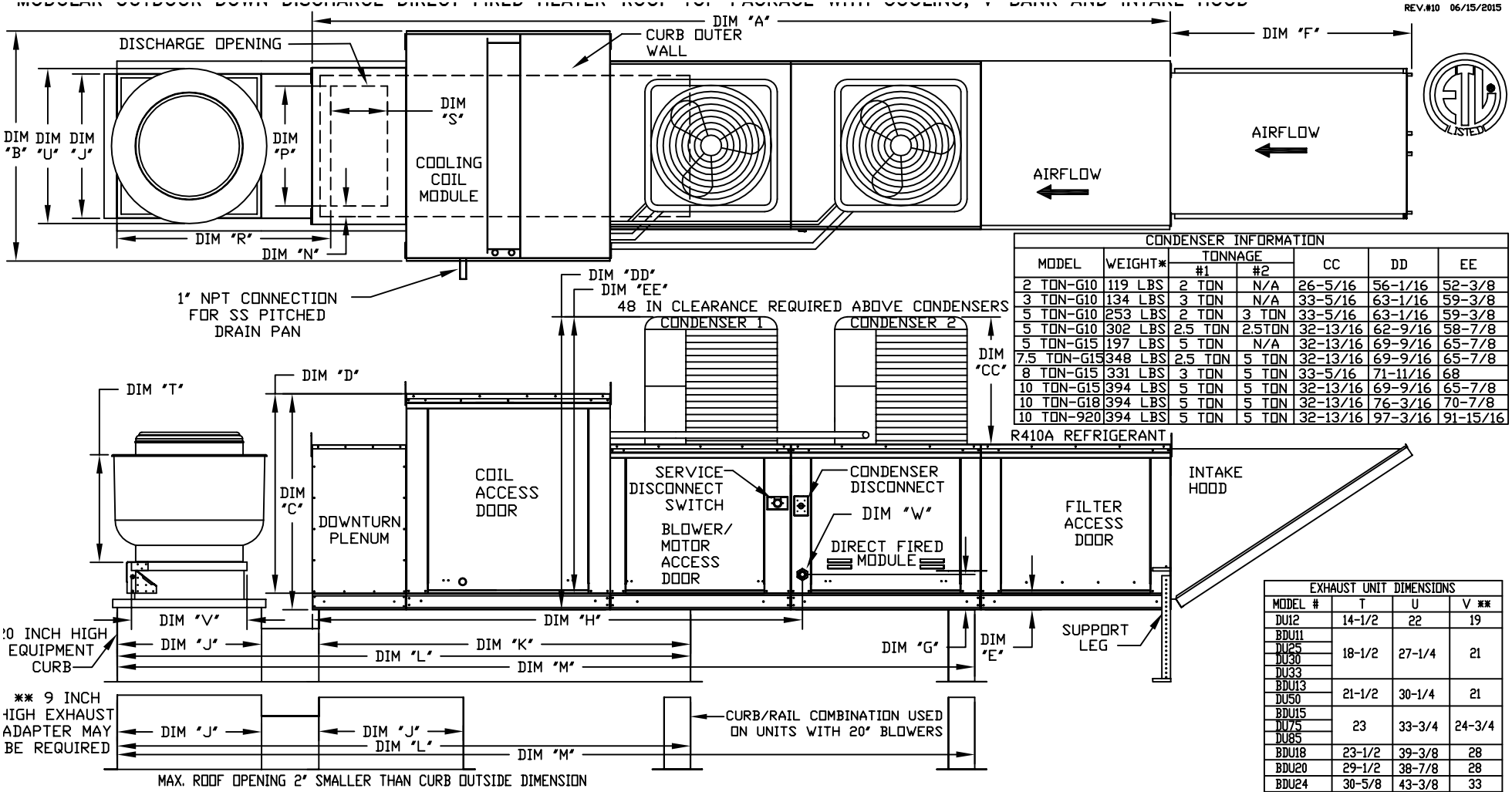
MODULAR OUTDOOR DOWN DISCHARGE DIRECT FIRED HEATER ROOF TOP PACKAGE WITH COOLING, V BANK AND INTAKE HOOD

REV.#10 06/15/2015



CONDENSER INFORMATION						
MODEL	WEIGHT*	TONNAGE #1	TONNAGE #2	CC	DD	EE
2 TON-G10	119 LBS	2 TON	N/A	26-5/16	56-1/16	52-3/8
3 TON-G10	134 LBS	3 TON	N/A	33-5/16	63-1/16	59-3/8
5 TON-G10	253 LBS	2 TON	3 TON	33-5/16	63-1/16	59-3/8
5 TON-G10	302 LBS	2.5 TON	2.5TON	32-13/16	62-9/16	58-7/8
5 TON-G15	197 LBS	5 TON	N/A	32-13/16	69-9/16	65-7/8
7.5 TON-G15	348 LBS	2.5 TON	5 TON	32-13/16	69-9/16	65-7/8
8 TON-G15	331 LBS	3 TON	5 TON	33-5/16	71-11/16	68
10 TON-G15	394 LBS	5 TON	5 TON	32-13/16	69-9/16	65-7/8
10 TON-G18	394 LBS	5 TON	5 TON	32-13/16	76-3/16	70-7/8
10 TON-920	394 LBS	5 TON	5 TON	32-13/16	97-3/16	91-15/16

EXHAUST UNIT DIMENSIONS			
MODEL #	T	U	V **
DU12	14-1/2	22	19
BDU11, DU25, DU30, DU33	18-1/2	27-1/4	21
BDU13, DU50	21-1/2	30-1/4	21
BDU15, DU75, DU85	23	33-3/4	24-3/4
BDU18	23-1/2	39-3/8	28
BDU20	29-1/2	38-7/8	28
BDU24	30-5/8	43-3/8	33
BDU30	33-1/2	52-3/4	40

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

		UNIT DIMENSIONS								CURB/RAIL				DISCHARGE OPENING			
MODEL	WEIGHT*	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
D.250-G10	1125 LBS	167-1/4	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	95-7/16	21	71	106	166-5/8	3-9/16	13-7/8	36-13/16	11-1/2
D.500-G10	1130 LBS	167-1/4	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	95-7/16	21	71	106	166-5/8	3-9/16	13-7/8	36-13/16	11-1/2
D.250-G15	1520 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	53-3/8	7-13/16	109-7/16	31	79	124	190-5/8	4-5/16	22-3/8	46-9/16	18
D.500-G15	1525 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	53-3/8	7-13/16	109-7/16	31	79	124	190-5/8	4-5/16	22-3/8	46-9/16	18
D.750-G15	1530 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	53-3/8	7-13/16	109-7/16	31	79	124	190-5/8	4-5/16	22-3/8	46-9/16	18
D.500-G18	1780 LBS	192-1/4	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D.750-G18	1785 LBS	192-1/4	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D.1000-G18	1790 LBS	192-1/4	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	6-5/16	22-3/8	49-1/2	18
D.1000-920	2840 LBS	238-9/16	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	5-1/4	31-1/2	56-13/16	23-1/2
D.1500-920	2855 LBS	238-9/16	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	5-1/4	31-1/2	56-13/16	23-1/2

UNIT INFORMATION.

	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTERS	
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"W" (NPT)	MIN	MAX	FILTER SIZE & QTY	MAX. FILTER VELOCITY
D.250-G10	6'	18	275	7" WC	14" WC	3/4	2 Ton	5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM
D.500-G10	12"	18	550	7" WC	14" WC	3/4	2 Ton	5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM
D.250-G15	6'	18	275	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D.500-G15	12"	18	550	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D.750-G15	18"	27.5	825	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D.500-G18	12"	18	550	7" WC	14" WC	1	5 Ton	10 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D.750-G18	18"	27.5	825	7" WC	14" WC	1	5 Ton	10 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1	10 Ton	10 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4	10 Ton	10 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4	10 Ton	10 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM

*ADD CONDENSING UNIT WEIGHT TO WEIGHT IN TABLE ABOVE

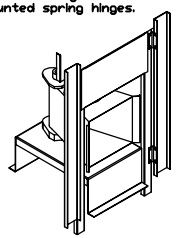
Direct Fired Profile Plate Specifications:

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 (NO2).

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