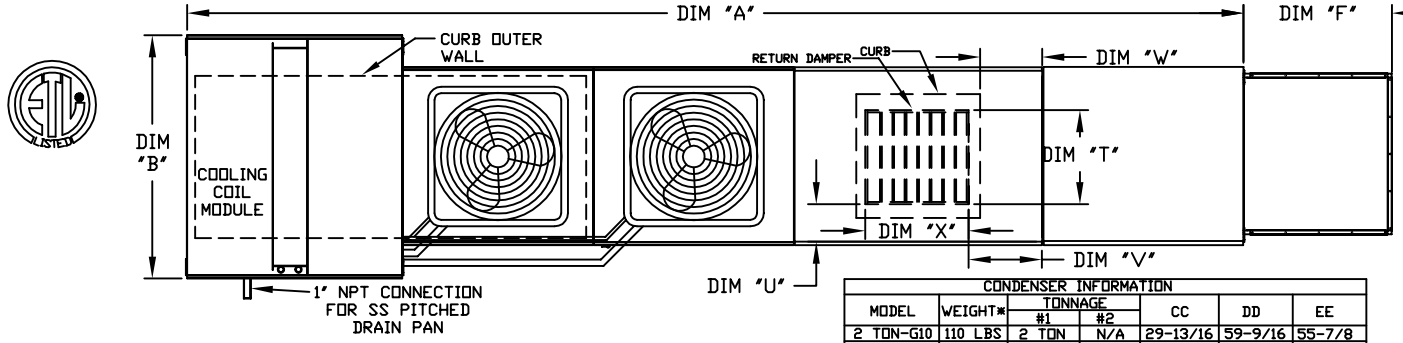
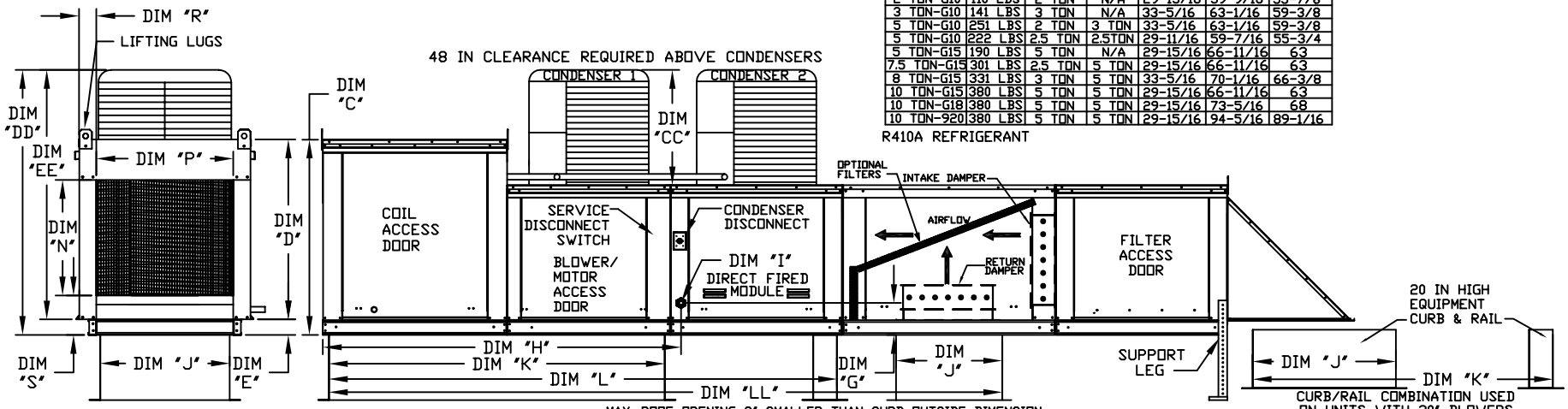
MODULAR OUTDOOR SIDE DISCHARGE DIRECT FIRED RECIRCULATING HEATER WITH COOLING, 4" BANK AND SCREEN INTAKE

SIVBMBDFSAHCC-MPU
REV.#2 05/05/2015



CONDENSER INFORMATION						
MODEL	WEIGHT*	TONNAGE #1	TONNAGE #2	CC	DD	EE
2 TON-G10	110 LBS	2 TON	N/A	29-13/16	59-9/16	55-7/8
3 TON-G10	141 LBS	3 TON	N/A	33-5/16	63-1/16	59-3/8
5 TON-G10	251 LBS	2 TON	3 TON	33-5/16	63-1/16	59-3/8
5 TON-G10	222 LBS	2.5 TON	2.5TON	29-11/16	59-7/16	55-3/4
5 TON-G15	190 LBS	5 TON	N/A	29-15/16	66-11/16	63
7.5 TON-G15	301 LBS	2.5 TON	5 TON	29-15/16	66-11/16	63
8 TON-G15	331 LBS	3 TON	5 TON	33-5/16	70-1/16	66-3/8
10 TON-G15	380 LBS	5 TON	5 TON	29-15/16	66-11/16	63
10 TON-G18	380 LBS	5 TON	5 TON	29-15/16	73-5/16	68
10 TON-920	380 LBS	5 TON	5 TON	29-15/16	94-5/16	89-1/16

R410A REFRIGERANT



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.250-G10	1180 LBS	191-1/8	39-3/8	42-3/4	39	3-3/4	22-3/8	7-13/16	77-1/16	21	71	113-1/4	144-11/16	17-1/2	16	11	5-3/4	14	8	14	12-1/2	18
D.500-G10	1185 LBS	191-1/8	39-3/8	42-3/4	39	3-3/4	22-3/8	7-13/16	77-1/16	21	71	113-1/4	144-11/16	17-1/2	16	11	5-3/4	14	8	14	12-1/2	18
D.250-G15	1590 LBS	199-1/8	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	85-1/16	31	79	121-1/4	157-11/16	29-3/4	22-3/4	12-5/8	5-3/4	22-3/4	8	11	7-1/2	24
D.500-G15	1595 LBS	199-1/8	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	85-1/16	31	79	121-1/4	157-11/16	29-3/4	22-3/4	12-5/8	5-3/4	22-3/4	8	11	7-1/2	24
D.750-G15	1600 LBS	199-1/8	49-3/8	47-3/4	44	3-3/4	30-5/16	7-13/16	85-1/16	31	79	121-1/4	157-11/16	29-3/4	22-3/4	12-5/8	5-3/4	22-3/4	8	11	7-1/2	24
D.500-G18	1880 LBS	210-1/8	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	165-11/16	29-5/8	30	11-1/2	7-3/8	28	8	7	4-1/2	30
D.750-G18	1885 LBS	210-1/8	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	165-11/16	29-5/8	30	11-1/2	7-3/8	28	8	7	4-1/2	30
D.1000-G18	1890 LBS	210-1/8	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	165-11/16	29-5/8	30	11-1/2	7-3/8	28	8	7	4-1/2	30
D.1000-920	3015 LBS	262-1/2	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	217-1/2	36-3/4	34	12-1/2	7-3/8	33	10	11	8	36
D.1500-920	3030 LBS	262-1/2	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	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.250-G10	6"	18	275	7" WC	14" WC	3/4	2 Ton	5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM	10"x16"x2" (5)
D.500-G10	12"	18	550	7" WC	14" WC	3/4	2 Ton	5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM	10"x16"x2" (5)
D.250-G15	6"	18	275	7" WC	14" WC	1	2 Ton	5 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM	20"x25"x2" (2), 16"x25"x2" (1)
D.500-G15	12"	18	550	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM	20"x25"x2" (2), 16"x25"x2" (1)
D.750-G15	18"	27.5	825	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM	20"x25"x2" (2), 16"x25"x2" (1)
D.500-G18	12"	18	550	7" WC	14" WC	1	5 Ton	10 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	5 Ton	10 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	10 Ton	10 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	10 Ton	10 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	10 Ton	10 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

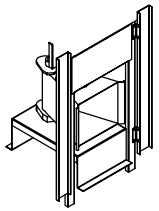
Direct Fired Profile Plate Specifications:

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.



Direct Fired (DF) Profile Plate Assembly