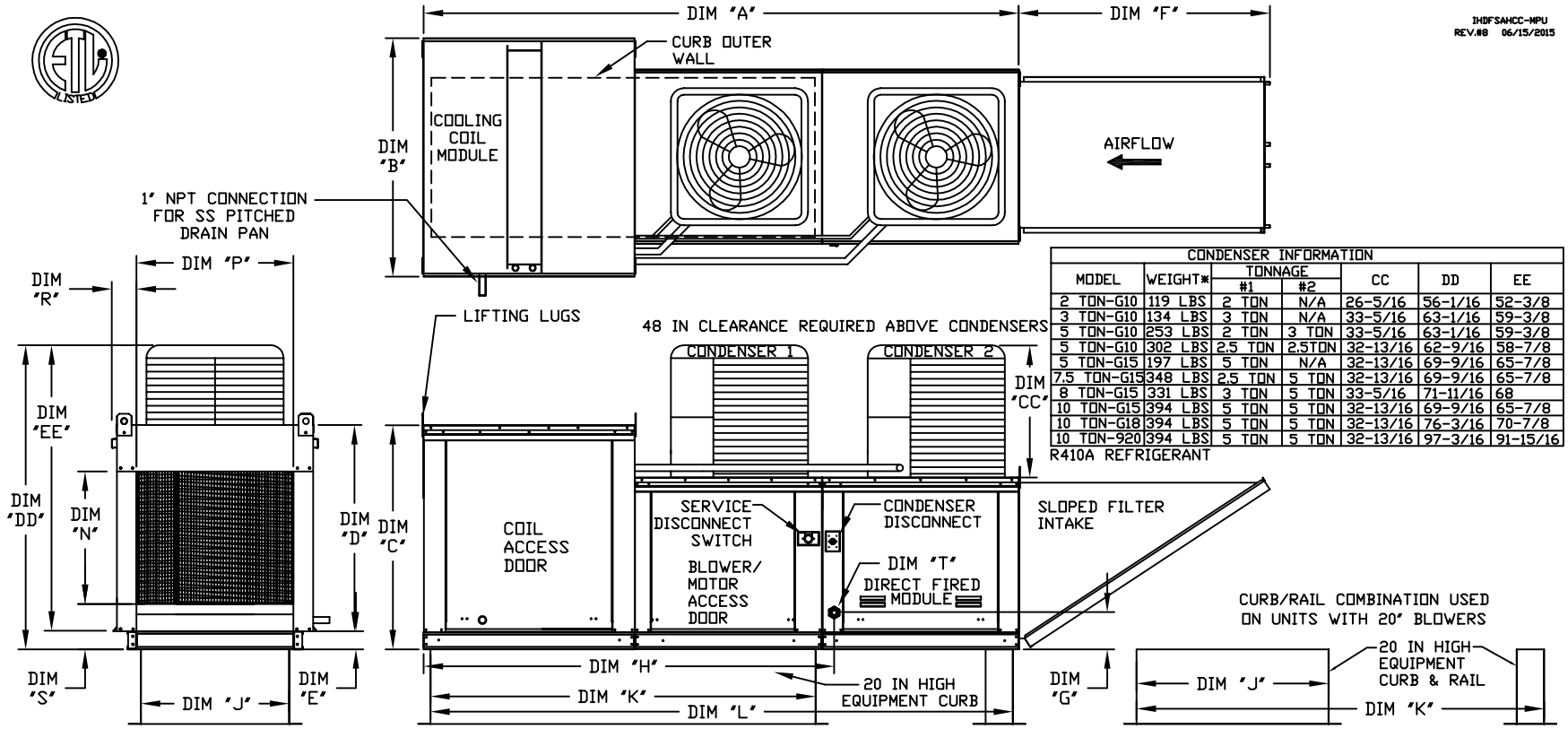
MODULAR OUTDOOR SIDE DISCHARGE DIRECT FIRED HEATER PACKAGED UNIT WITH COOLING AND INTAKE HOOD

IHDFSAHCC-MPU
REV.#8 06/15/2015



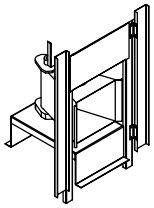
CONDENSER INFORMATION						
MODEL	WEIGHT*	TONNAGE #1	TONNAGE #2	CC	DD	EE
2 TON-G10	119 LBS	2 TON	N/A	26-5/16	56-1/16	52-3/8
3 TON-G10	134 LBS	3 TON	N/A	33-5/16	63-1/16	59-3/8
5 TON-G10	253 LBS	2 TON	3 TON	33-5/16	63-1/16	59-3/8
5 TON-G10	302 LBS	2.5 TON	2.5TON	32-13/16	62-9/16	58-7/8
5 TON-G15	197 LBS	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

R410A REFRIGERANT

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

		UNIT DIMENSIONS								CURB/RAIL			DISCHARGE OPENING			
MODEL	WEIGHT*	A	B	C	D	E	F	G	H	J	K	L	N	P	R	S
D.250-G10	950 LBS	116-7/8	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	77-1/16	21	71	113-1/4	17-1/2	16	11	5-3/4
D.500-G10	955 LBS	116-7/8	39-3/8	42-3/4	39	3-3/4	44-3/8	7-13/16	77-1/16	21	71	113-1/4	17-1/2	16	11	5-3/4
D.250-G15	1270 LBS	124-5/8	49-3/8	47-3/4	44	3-3/4	53-5/8	7-13/16	85-1/16	31	79	121-1/4	29-3/4	22-3/4	12-5/8	5-3/4
D.500-G15	1275 LBS	124-5/8	49-3/8	47-3/4	44	3-3/4	53-5/8	7-13/16	85-1/16	31	79	121-1/4	29-3/4	22-3/4	12-5/8	5-3/4
D.750-G15	1280 LBS	124-5/8	49-3/8	47-3/4	44	3-3/4	53-5/8	7-13/16	85-1/16	31	79	121-1/4	29-3/4	22-3/4	12-5/8	5-3/4
D.500-G18	1475 LBS	129-5/8	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	29-5/8	30	11-1/2	7-3/8
D.750-G18	1480 LBS	129-5/8	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	29-5/8	30	11-1/2	7-3/8
D.1000-G18	1485 LBS	129-5/8	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	29-5/8	30	11-1/2	7-3/8
D.1000-920	2415 LBS	172-13/16	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	36-3/4	34	12-1/2	7-3/8
D.1500-920	2430 LBS	172-13/16	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	36-3/4	34	12-1/2	7-3/8



Direct Fired (DF) Profile Plate Assembly

UNIT INFORMATION.

	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTERS	
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"T" (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	16"x20"x2" (3)	@3000 CFM = 572 FPM
D.500-G10	12"	18	550	7" WC	14" WC	3/4	2 Ton	5 Ton	16"x20"x2" (3)	@3000 CFM = 572 FPM
D.250-G15	6"	18	275	7" WC	14" WC	1	5 Ton	10 Ton	20"x25"x2" (3)	@6000 CFM = 696 FPM
D.500-G15	12"	18	550	7" WC	14" WC	1	5 Ton	10 Ton	20"x25"x2" (3)	@6000 CFM = 696 FPM
D.750-G15	18"	27.5	825	7" WC	14" WC	1	5 Ton	10 Ton	20"x25"x2" (3)	@6000 CFM = 696 FPM
D.500-G18	12"	18	550	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (6)	@8000 CFM = 762 FPM
D.750-G18	18"	27.5	825	7" WC	14" WC	1	5 Ton	10 Ton	16"x20"x2" (6)	@8000 CFM = 762 FPM
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1	10 Ton	10 Ton	16"x20"x2" (6)	@8000 CFM = 762 FPM
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4	10 Ton	10 Ton	16"x20"x2" (10)	@13000 CFM = 743 FPM
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4	10 Ton	10 Ton	16"x20"x2" (10)	@13000 CFM = 743 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.