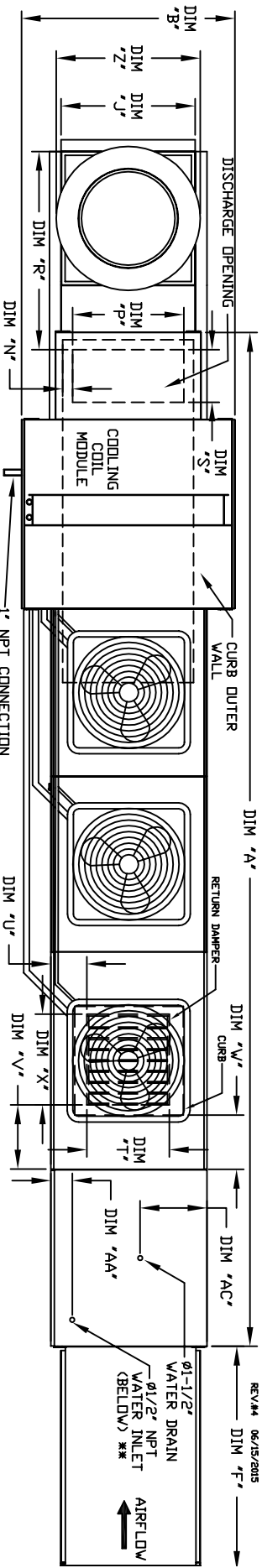
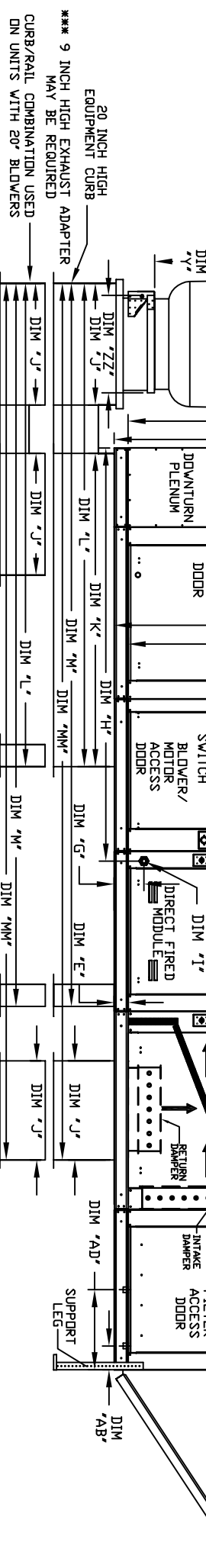


MODULAR OUTDOOR DOWN DISCHARGE DIRECT FIRED RECIRCULATING HEATER-ROOF TOP PACKAGE WITH COOLING, EVAPORATIVE COOLER INTAKE AND INTAKE HOOD

HECWBFS3HACCPBTR-APU-15
REV. #4 06/15/2015



MODEL #	Y	Z	ZZ ***
DUI2HFA	14-1/2	22	19
DUI3HFA	18-1/2	27-1/4	21
DUI3HFA	21-1/2	30-1/4	21
NCA16FA	23	33-3/4	24-3/4
NCA16FA	29-1/2	39-3/8	28
NCA18FA	30-5/8	43-3/8	33
NCA24FA	33-1/2	52-3/4	40



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YZ	ZA	ZB	ZC	ZD	ZE	ZF
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MODEL	BURNER	BTU RANGE (GBH)	GAS PRESSURE	GAS CONNECTION	TONNAGE RANGE	MIN	MAX	STD. WEIGHT	MEDIA SIZE & QTY VEL.	MAX. CFM/MIN/ZEISSI	MAX. FLOW RATE	STD. WEIGHT	MEDIA SIZE & QTY VEL.	MAX. CFM/MIN/ZEISSI	MAX. FLOW RATE
D1500-G18	12"	18	550	7" WC	14" VC	15 TON	15 TON	2135 LBS	20"x25"x2" (8)	348 FPM	14	2135 LBS	30"x36"x12"	1067 FPM	28
D1750-G18	18"	27.5	825	7" WC	14" VC	15 TON	15 TON	2140 LBS	20"x25"x2" (8)	348 FPM	14	2130 LBS	30"x36"x12"	1067 FPM	28
D1800-G18	24"	36.6	1100	7" WC	14" VC	15 TON	15 TON	2145 LBS	20"x25"x2" (8)	348 FPM	14	2135 LBS	30"x36"x12"	1067 FPM	28
D1800-920	24"	36.6	1100	7" WC	14" VC	15 TON	15 TON	3410 LBS	16"x20"x2" (15)	572 FPM	24	3380 LBS	38"x43"x12"	1322 FPM	35
D1500-920	30"	45.8	1375	7" WC	5 PSI	15 TON	15 TON	3425 LBS	16"x20"x2" (15)	572 FPM	24	3395 LBS	38"x43"x12"	1322 FPM	35

MODEL	WEIGHT #1	#2	#3	CC	DD	EE
15 TON-G18	591 LBS	5 TON	5 TON	32-13/16	76-3/16	70-7/8
15 TON-920	591 LBS	5 TON	5 TON	32-13/16	97-3/16	91-15/16

CONDENSER INFORMATION

Direct Fired Profile Plate Specifications:

Direct fired burners shall have patented QIS Patent No. US662952B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall be made of aluminum or stainless steel. The number of profile plates shall be a function of Spm of Carbon monoxide (CO) and 15spcm of Nitrogen dioxide (NO2).

GENERAL CONSTRUCTION:

Profile plates shall be formed from G90 galvanized steel.

Profile plates shall be formed from 16 gauge aluminum.

Profile plates shall be mounted along the same plane as the discharge of the burner.

Design shall incorporate properly torqued, permanently mounted spring hinges.

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.

CERTIFICATION:

All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined NSF Standard ANSI Z90.4 and CSA 37 Outdoor-Recirculating DF Heaters and ANSI Z83.18 (see catalog by Heaters).

OPTIONAL MIXING BOX FILTERS:

MODEL	WEIGHT #1	#2	#3	CC	DD	EE
15 TON-G18	591 LBS	5 TON	5 TON	32-13/16	76-3/16	70-7/8
15 TON-920	591 LBS	5 TON	5 TON	32-13/16	97-3/16	91-15/16

RAID RETRIEVAL

Direct Fired GFD Profile Plate Assembly