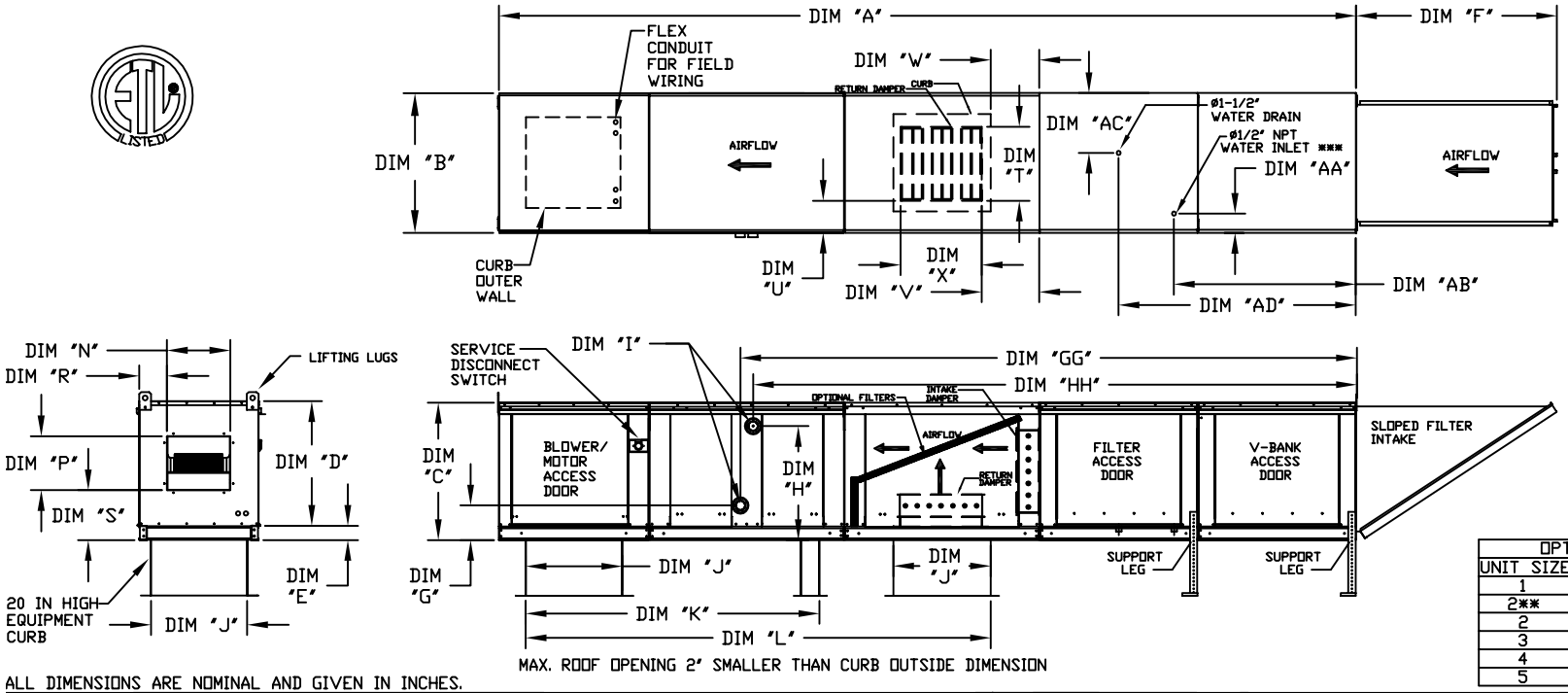
MODULAR OUTDOOR SIDE DISCHARGE BLOWER WITH V-BANK, EVAPORATIVE COOLER, HEATING COIL, MIXING BOX AND INTAKE HOOD

IHVBECMBHCSAH
REV.#1 12/1/2016



MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

OPTIONAL MIXING BOX FILTERS	
UNIT SIZE	FILTER SIZE & QTY
1	10"x16"x2" (5)
2**	20"x25"x2" (2), 16"x25"x2" (1)
2	20"x25"x2" (2), 16"x25"x2" (1)
3	15"x20"x2" (4), 15"x15"x2" (2)
4	18"x25"x2" (4), 16"x20"x2" (2)
5	14.5"x19"x2" (12)

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

	UNIT DIMENSIONS														BELT DRIVE DISCHARGE OPENING				DIRECT DRIVE DISCHARGE OPENING				WATER INLET		DRAIN OPENING		V-BANK FILTER
UNIT SIZE	A	B	C	D	E	F	J	K	L	T	U	V	W	X	N	P	R	S	N	P	R	S	AA	AB	AC	AD	FILTER SIZE & QT
1	191-1/8	27-3/8	29-3/4	26-1/16	3-3/4	44-3/8	21	65-13/16	98-5/8	14	8	14	12-1/2	18	13-1/4	11-1/2	6-3/8	11-7/8	17-1/4	15-1/2	4-3/8	8-15/16	4-1/2	38-1/2	13	48-1/4	20"x25"x2" (3)
2**	199-1/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	31	74-5/8	112-9/16	22-3/4	8	11	7-1/2	24	15-3/4	13-9/16	10-1/8	13-1/16	N/A	N/A	N/A	N/A	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
2	199-1/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	31	74-5/8	112-5/8	22-3/4	8	11	7-1/2	24	18-3/4	16	8-5/8	14-1/16	24-3/4	22	5-5/8	10-15/16	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
3	210-1/8	41-3/8	43-3/8	38-1/16	5-1/4	51-5/8	35	79-3/16	120-1/8	28	8	7	4-1/2	30	22	19	9	17-7/8	28	25	6-1/16	14-15/16	4-1/2	44	20	57-1/4	20"x25"x2" (8)
4	262-1/2	48-7/16	51-3/8	46-1/8	5-1/4	76-3/8	42	104-9/32	153-15/16	33	10	11	8	36	24-7/8	24-7/8	11-1/16	19-1/8	30	30	8-9/16	16-5/8	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
5	272-1/2	59-3/16	58-3/8	53-1/8	5-1/4	71-3/8	52-3/4	114-21/32	170-7/8	43	10	6-1/2	1-1/4	43	31-3/8	31-3/8	13-3/16	21-9/16	35-3/8	35-3/8	11-1/4	19-10/16	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)

HOT WATER COIL MODULE

UNIT SIZE	TOTAL CAPACITY (MBH)	PIPE CONNECTION "I" (MPT)	G	GG	H	HH
1	165.63	2	8-1/4	129-3/16	24-3/4	126-7/16
2**	320.88	2	8-1/4	129-3/16	28-3/4	126-7/16
2	320.88	2	8-1/4	129-3/16	28-3/4	126-7/16
3	514.97	1-1/2	9-1/2	140-15/16	38	138-11/16
4	831.87	2-1/2	10	153-5/8	45-1/2	150
5	1230.16	3	10-1/4	153-7/8	52-1/4	150-3/8

STEAM COIL MODULE

UNIT SIZE	TOTAL CAPACITY (MBH)	PIPE CONNECTION "I" (MPT)	STEAM PSI	G	GG	H	HH
1	176.49	2-1/2	5	8-3/4	127-13/16	16-15/16	127-13/16
2**	328.19	2-1/2	5	8-3/4	127-13/16	18-3/8	127-13/16
2	328.19	2-1/2	5	8-3/4	127-13/16	18-3/8	127-13/16
3	505.64	2-1/2	5	10-1/4	139-13/16	23-5/8	139-13/16
4	812.24	2-1/2	5	10-1/4	152-3/16	28-5/8	152-3/16
5	1234.45	2-1/2	5	10-1/4	152-3/16	31-3/4	152-3/16

FILTER SIZE & QTY	MAX. FILTER VELOCITY
16"x20"x2" (3)	@3500 CFM = 667 FPM
20"x25"x2" (3)	@5000 CFM = 580 FPM
20"x25"x2" (3)	@6000 CFM = 696 FPM
16"x20"x2" (6)	@8000 CFM = 762 FPM
16"x20"x2" (10)	@15000 CFM = 857 FPM
20"x25"x2" (8)	@22000 CFM = 957 FPM

			STANDARD EVAPORATIVE COOLING UNIT W/				
	UNIT SIZE	TOT. WEIGHT		TOT. WEIGHT	MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE
HOT WATER COIL MODULE	1	790 LBS	STEAM COIL MODULE	790 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH
	2**	1165 LBS		1165 LBS	16"x20"x2" (8)	358 FPM	10	5 GPH
	2	1175 LBS		1175 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
	3	1470 LBS		1465 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
	4	2420 LBS		2395 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
	5	3130 LBS		3125 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH

			CELDEK EVAPORATIVE COOLING UNIT W/				
	UNIT SIZE	TOT. WEIGHT		TOT. WEIGHT	MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE
HOT WATER COIL MODULE	1	795 LBS	STEAM COIL MODULE	795 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
	2**	1160 LBS		1160 LBS	25"x32"x12"	900 FPM	20	6.5 GPH
	2	1170 LBS		1170 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
	3	1460 LBS		1455 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
	4	2390 LBS		2365 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
	5	3090 LBS		3085 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH

** DIMENSIONS APPLY TO UNITS WITH G12 BLOWERS ONLY
*** MAX EVAP WATER PRESSURE = 50 PSI @ 70 DEG F