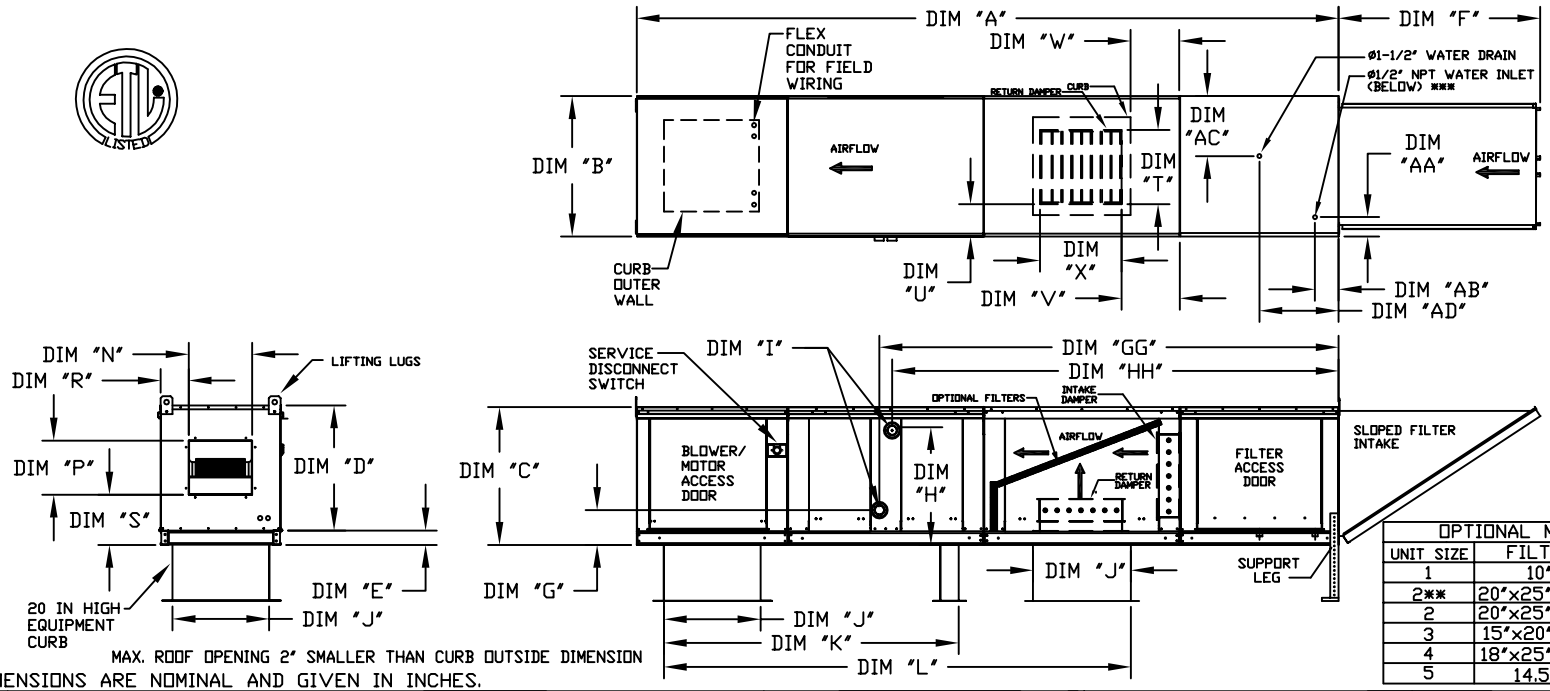
MODULAR OUTDOOR SIDE DISCHARGE BLOWER WITH EVAPORATIVE COOLER, HEATING COIL, MIXING BOX AND INTAKE HOOD

IHECMBHCSAH
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				RETURN DAMPER OPENING					WATER INLET		DRAIN OPENING	
UNIT SIZE	A	B	C	D	E	F	J	K	L	N	P	R	S	N	P	R	S	T	U	V	W	X	AA	AB	AC	AD
1	158-7/8	27-3/8	29-3/4	26-1/16	3-3/4	44-3/8	21	65-13/16	98-5/8	13-1/4	11-1/2	6-3/8	11-7/8	17-1/4	15-1/2	4-3/8	8-15/16	14	8	14	12-1/2	18	4-1/2	6-1/4	13	16
2**	166-7/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	31	74-5/8	112-9/16	15-3/4	13-9/16	10-1/8	13-1/16	N/A	N/A	N/A	N/A	22-3/4	8	11	7-1/2	24	4-1/2	6-1/4	18	16
2	166-7/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	31	74-5/8	112-5/8	18-3/4	16	8-5/8	14-1/16	24-3/4	22	5-5/8	10-15/16	22-3/4	8	11	7-1/2	24	4-1/2	6-1/4	18	16
3	171-7/8	41-3/8	43-3/8	38-1/16	5-1/4	51-5/8	35	79-3/16	120-1/8	22	19	9	17-7/8	28	25	6-1/16	14-15/16	28	8	7	4-1/2	30	4-1/2	5-3/4	20	19
4	227-1/8	48-7/16	51-3/8	46-1/8	5-1/4	76-3/8	42	104-9/32	153-15/16	24-7/8	24-7/8	11-1/16	19-1/8	30	30	8-9/16	16-5/8	33	10	11	8	36	4-1/2	5-3/4	23-1/2	17-1/2
5	237-1/8	59-3/16	58-3/8	53-1/8	5-1/4	71-3/8	52-3/4	114-21/32	170-7/8	31-3/8	31-3/8	13-3/16	21-9/16	35-3/8	35-3/8	11-1/4	19-10/16	43	10	6-1/2	1-1/4	43	4-1/2	5-3/4	28-7/8	17-1/2

HOT WATER COIL MODULE

	TOTAL CAPACITY	PIPE CONNECTION				
UNIT SIZE	(MBH)	"I" (MPT)	G	GG	H	HH
1	165.63	2	8-1/4	96-15/16	24-3/4	94-3/16
2**	320.88	2	8-1/4	96-15/16	28-3/4	94-3/16
2	320.88	2	8-1/4	96-15/16	28-3/4	94-3/16
3	514.97	1-1/2	9-1/2	102-11/16	38	100-7/16
4	831.87	2-1/2	10	118-1/4	45-1/2	114-5/8
5	1230.16	3	10-1/4	118-1/2	52-1/4	115

STEAM COIL MODULE

	TOTAL CAPACITY	PIPE CONNECTION	STEAM				
UNIT SIZE	(MBH)	"I" (MPT)	PSI	G	GG	H	HH
1	176.49	2-1/2	5	8-3/4	95-9/16	16-15/16	95-9/16
2**	328.19	2-1/2	5	8-3/4	95-9/16	18-3/8	95-9/16
2	328.19	2-1/2	5	8-3/4	95-9/16	18-3/8	95-9/16
3	505.64	2-1/2	5	10-1/4	101-9/16	23-5/8	101-9/16
4	812.24	2-1/2	5	10-1/4	116-25/32	28-5/8	116-25/32
5	1234.45	2-1/2	5	10-1/4	116-25/32	31-3/4	116-25/32

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	695 LBS	STEAM COIL MODULE	695 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH
	2**	1030 LBS		1030 LBS	16"x20"x2" (8)	358 FPM	10	5 GPH
	2	1040 LBS		1040 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
	3	1305 LBS		1300 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
	4	2185 LBS		2160 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
	5	2835 LBS		2830 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	700 LBS	STEAM COIL MODULE	700 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
	2**	1025 LBS		1025 LBS	25"x32"x12"	900 FPM	20	6.5 GPH
	2	1035 LBS		1035 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
	3	1295 LBS		1290 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
	4	2155 LBS		2130 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
	5	2795 LBS		2790 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