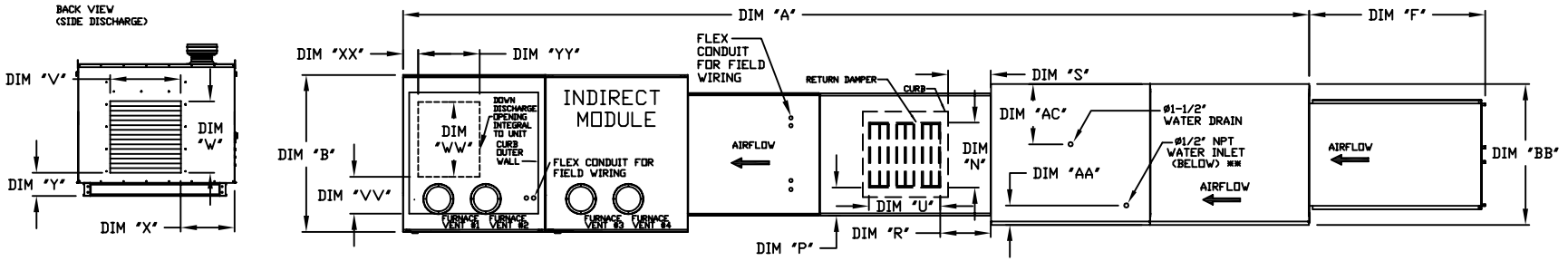
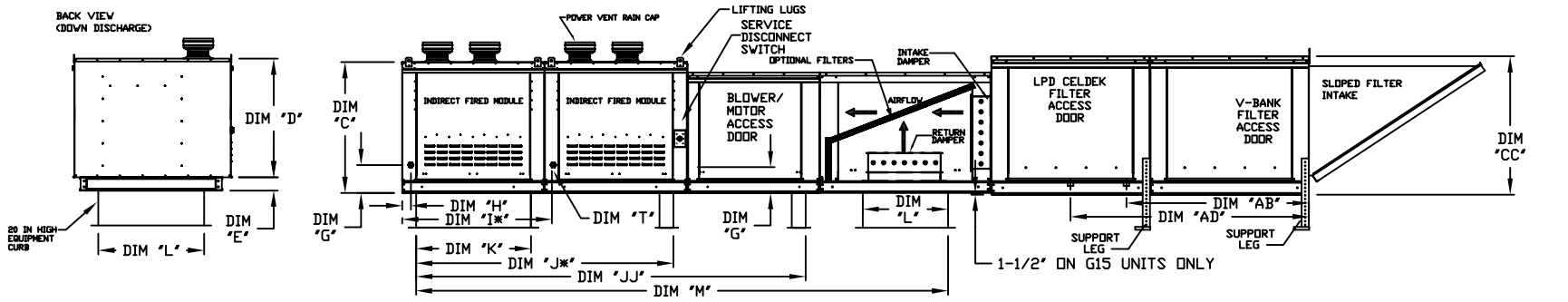
MODULAR OUTDOOR IBT HEATER WITH LPD EVAPORATIVE COOLER, V-BANK, MIXING BOX AND INTAKE HOOD

REV.#E 07/27/2012





MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	UNIT DIMENSIONS														MIXING BOX OPENING					SIDE DISCHARGE OPENING				DOWN DISCHARGE OPENING				GAS CONNECTION "T" (NPT)	# OF FURNACES
	A	B	BB	C	CC	D	E	F	G	H	I*	J*	JJ	K	L	M	N	P	R	S	U	V	W	X	Y	VV	WW	XX	YY		
1-IBT.150-G10	199	49-1/2	36-3/4	39-9/16	36-3/4	35-13/16	3-3/4	53-5/8	8-3/4	2-11/16	N/A	N/A	89-3/16	71	21	120-1/2	14	8	14	12-1/2	18	17-3/4	17-3/4	18-1/2	7-1/4	3	16-3/4	3-1/8	21	3/4	1
1-IBT.200-G10	199	49-1/2	36-3/4	39-9/16	36-3/4	35-13/16	3-3/4	53-5/8	8-3/4	2-11/16	N/A	N/A	89-3/16	71	21	120-1/2	14	8	14	12-1/2	18	17-3/4	17-3/4	18-1/2	7-1/4	3	16-3/4	3-1/8	21	3/4	1
1-IBT.300-150-150-G10	199	49-1/2	36-3/4	39-9/16	36-3/4	35-13/16	3-3/4	53-5/8	8-3/4	2-11/16	N/A	N/A	89-3/16	71	21	120-1/2	14	8	14	12-1/2	18	17-3/4	17-3/4	18-1/2	7-1/4	3	16-3/4	3-1/8	21	3/4	2
1-IBT.400-200-200-G10	199	49-1/2	36-3/4	39-9/16	36-3/4	35-13/16	3-3/4	53-5/8	8-3/4	2-11/16	N/A	N/A	89-3/16	71	21	120-1/2	14	8	14	12-1/2	18	17-3/4	17-3/4	18-1/2	7-1/4	3	16-3/4	3-1/8	21	3/4	2
2-IBT.200-G15	219	49-1/2	40-3/4	39-9/16	43-3/8	35-13/16	3-3/4	51-5/8	8-3/4	2-11/16	N/A	N/A	97-3/16	79	31	133-1/2	22-3/4	8	11	7-1/2	24	24-1/2	17-3/4	18-1/2	7-1/4	5	24	3-1/8	21	1	1
2-IBT.300-G15	219	49-1/2	40-3/4	53-7/8	43-3/8	50-1/8	3-3/4	51-5/8	8-3/4	2-11/16	N/A	N/A	97-3/16	79	31	133-1/2	22-3/4	8	11	7-1/2	24	24-1/2	24-1/2	18-1/2	7-1/4	5	24	3-1/8	21	1	1
2-IBT.400-G15	219	49-1/2	40-3/4	53-7/8	43-3/8	50-1/8	3-3/4	51-5/8	8-3/4	2-11/16	N/A	N/A	97-3/16	79	31	133-1/2	22-3/4	8	11	7-1/2	24	24-1/2	24-1/2	18-1/2	7-1/4	5	24	3-1/8	21	1	1
2-IBT.400-200-200-G15	219	49-1/2	40-3/4	39-9/16	43-3/8	35-13/16	3-3/4	51-5/8	8-3/4	2-11/16	N/A	N/A	97-3/16	79	31	133-1/2	22-3/4	8	11	7-1/2	24	24-1/2	17-3/4	18-1/2	7-1/4	5	24	3-1/8	21	1	2
2-IBT.600-300-300-G15	219	49-1/2	40-3/4	53-7/8	43-3/8	50-1/8	3-3/4	51-5/8	8-3/4	2-11/16	N/A	N/A	97-3/16	79	31	133-1/2	22-3/4	8	11	7-1/2	24	24-1/2	24-1/2	18-1/2	7-1/4	5	24	3-1/8	21	1	2
2-IBT.800-400-400-G15	219	49-1/2	40-3/4	53-7/8	43-3/8	50-1/8	3-3/4	51-5/8	8-3/4	2-11/16	N/A	N/A	97-3/16	79	31	133-1/2	22-3/4	8	11	7-1/2	24	24-1/2	24-1/2	18-1/2	7-1/4	5	24	3-1/8	21	1	2
3-IBT.400-G10	218-1/4	57-3/4	47-7/8	57-1/16	51-3/8	51-13/16	5-1/4	76-3/8	10-3/4	2-11/16	N/A	N/A	102-3/16	84	35	141-1/2	28	8	7	4-1/2	30	27-1/2	31	18-1/2	8-3/4	6-3/4	26-1/2	4-1/8	26-1/2	1	1
3-IBT.600-300-300-G10	218-1/4	57-3/4	47-7/8	57-1/16	51-3/8	51-13/16	5-1/4	76-3/8	10-3/4	2-11/16	N/A	N/A	102-3/16	84	35	141-1/2	28	8	7	4-1/2	30	27-1/2	31	18-1/2	8-3/4	6-3/4	26-1/2	4-1/8	26-1/2	1	2
3-IBT.800-400-400-G10	218-1/4	57-3/4	47-7/8	57-1/16	51-3/8	51-13/16	5-1/4	76-3/8	10-3/4	2-11/16	N/A	N/A	102-3/16	84	35	141-1/2	28	8	7	4-1/2	30	27-1/2	31	18-1/2	8-3/4	6-3/4	26-1/2	4-1/8	26-1/2	1	2
3-IBT.1000-300-300-400-G10	278-3/8	57-3/4	47-7/8	57-1/16	51-3/8	51-13/16	5-1/4	76-3/8	10-3/4	2-11/16	62-13/16	117-1/16	162-5/16	84	35	201-5/8	28	8	7	4-1/2	30	27-1/2	31	18-1/2	8-3/4	6-3/4	26-1/2	4-1/8	26-1/2	1	3
3-IBT.1200-400-400-400-G10	278-3/8	57-3/4	47-7/8	57-1/16	51-3/8	51-13/16	5-1/4	76-3/8	10-3/4	2-11/16	62-13/16	117-1/16	162-5/16	84	35	201-5/8	28	8	7	4-1/2	30	27-1/2	31	18-1/2	8-3/4	6-3/4	26-1/2	4-1/8	26-1/2	1	3
4-IBT.400-920	249-3/8	57-3/4	58-5/8	57-1/16	58-5/8	51-13/16	5-1/4	71-3/8	10-3/4	2-11/16	N/A	N/A	121-1/4	42	42	169-1/8	33	10	11	8	36	28-1/2	34	18-1/2	8-3/4	8-1/2	26-1/2	4-1/8	26-1/2	1	1
4-IBT.800-400-400-920	249-3/8	57-3/4	58-5/8	57-1/16	58-5/8	51-13/16	5-1/4	71-3/8	10-3/4	2-11/16	N/A	N/A	121-1/4	42	42	169-1/8	33	10	11	8	36	28-1/2	34	18-1/2	8-3/4	8-1/2	26-1/2	4-1/8	26-1/2	1	2
4-IBT.1000-300-300-400-920	309-1/2	57-3/4	58-5/8	57-1/16	58-5/8	51-13/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	181-3/8	42	42	229-1/4	33	10	11	8	36	28-1/2	34	18-1/2	8-3/4	8-1/2	26-1/2	4-1/8	26-1/2	1	3
4-IBT.1200-400-400-400-920	309-1/2	57-3/4	58-5/8	57-1/16	58-5/8	51-13/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	181-3/8	42	42	229-1/4	33	10	11	8	36	28-1/2	34	18-1/2	8-3/4	8-1/2	26-1/2	4-1/8	26-1/2	1	3
4-IBT.1400-300-300-400-400-920	309-1/2	57-3/4	58-5/8	57-1/16	58-5/8	51-13/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	181-3/8	42	42	229-1/4	33	10	11	8	36	28-1/2	34	18-1/2	8-3/4	8-1/2	26-1/2	4-1/8	26-1/2	1	4
4-IBT.1600-400-400-400-400-920	309-1/2	57-3/4	58-5/8	57-1/16	58-5/8	51-13/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	181-3/8	42	42	229-1/4	33	10	11	8	36	28-1/2	34	18-1/2	8-3/4	8-1/2	26-1/2	4-1/8	26-1/2	1	4
5-IBT.400-925	259-3/8	66-3/8	74-7/8	59-15/16	58-3/8	54-11/16	5-1/4	71-3/8	10-3/4	2-11/16	N/A	N/A	131-1/4	52-3/4	52-3/4	185-7/8	43	10	6-1/2	1-1/4	43	31-1/2	34	18-1/2	8-3/4	10-3/4	32	3-1/8	27-1/2	1	1
5-IBT.800-400-400-925	259-3/8	66-3/8	74-7/8	59-15/16	58-3/8	54-11/16	5-1/4	71-3/8	10-3/4	2-11/16	N/A	N/A	131-1/4	52-3/4	52-3/4	185-7/8	43	10	6-1/2	1-1/4	43	31-1/2	34	18-1/2	8-3/4	10-3/4	32	3-1/8	27-1/2	1	2
5-IBT.1000-300-300-400-925	319-1/2	66-3/8	74-7/8	59-15/16	58-3/8	54-11/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	191-3/8	52-3/4	52-3/4	246	43	10	6-1/2	1-1/4	43	31-1/2	34	18-1/2	8-3/4	10-3/4	32	3-1/8	27-1/2	1	3
5-IBT.1200-400-400-400-925	319-1/2	66-3/8	74-7/8	59-15/16	58-3/8	54-11/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	191-3/8	52-3/4	52-3/4	246	43	10	6-1/2	1-1/4	43	31-1/2	34	18-1/2	8-3/4	10-3/4	32	3-1/8	27-1/2	1	3
5-IBT.1400-300-300-400-400-925	319-1/2	66-3/8	74-7/8	59-15/16	58-3/8	54-11/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	191-3/8	52-3/4	52-3/4	246	43	10	8-1/2	1-1/4	43	31-1/2	34	18-1/2	8-3/4	10-3/4	32	3-1/8	27-1/2	1	4
5-IBT.1600-400-400-400-400-925	319-1/2	66-3/8	74-7/8	59-15/16	58-3/8	54-11/16	5-1/4	71-3/8	10-3/4	2-11/16	62-13/16	117-1/16	191-3/8	52-3/4	52-3/4	246	43	10	8-1/2	1-1/4	43	31-1/2	34	18-1/2	8-3/4	10-3/4	32	3-1/8	27-1/2	1	4

UNIT INFORMATION

MODEL	BTU RANGE (MBH)***			TURNDOWN RATIO	COMBUSTION EFFICIENCY****	GAS PRESSURE*****	
	BURNER INPUT	BTU LOW	BTU HIGH			MIN	MAX
1-IBT.150-G10	150	20	120	6	80.0%	7" WC	14" WC
1-IBT.200-G10	200	26.7	160	6	80.0%	7" WC	14" WC
1-IBT.300-150-150-G10	300	20	240	12	80.0%	7" WC	14" WC
1-IBT.400-200-200-G10	400	26.7	320	12	80.0%	7" WC	14" WC
2-IBT.200-G15	200	26.7	160	6	80.0%	7" WC	14" WC
2-IBT.300-G15	300	40	240	6	80.0%	7" WC	14" WC
2-IBT.400-G15	400	53.3	320	6	80.0%	7" WC	14" WC
2-IBT.400-200-200-G15	400	26.7	320	12	80.0%	7" WC	14" WC
2-IBT.600-300-300-G15	600	40	480	12	80.0%	7" WC	14" WC
2-IBT.800-400-400-G15	800	53.3	640	12	80.0%	7" WC	14" WC
3-IBT.400-G10	400	53.3	320	6	80.0%	7" WC	14" WC
3-IBT.600-300-300-G10	600	40	480	12	80.0%	7" WC	14" WC
3-IBT.800-400-400-G10	800	53.3	640	12	80.0%	7" WC	14" WC
3-IBT.1000-300-300-400-G10	1000	40	800	20	80.0%	7" WC	14" WC
3-IBT.1200-400-400-400-G10	1200	53.3	960	18	80.0%	7" WC	14" WC
4-IBT.400-920	400	53.3	320	6	80.0%	7" WC	14" WC
4-IBT.800-400-400-920	800	53.3	640	12	80.0%	7" WC	14" WC
4-IBT.1000-300-300-400-920	1000	40	800	20	80.0%	7" WC	14" WC
4-IBT.1200-400-400-400-920	1200	53.3	960	18	80.0%	7" WC	14" WC
4-IBT.1400-300-300-400-400-920	1400	40	1120	28	80.0%	7" WC	14" WC
4-IBT.1600-400-400-400-400-920	1600	53.3	1280	24	80.0%	7" WC	14" WC
5-IBT.400-925	400	53.3	320	6	80.0%	7" WC	14" WC
5-IBT.800-400-400-925	800	53.3	640	12	80.0%	7" WC	14" WC
5-IBT.1000-300-300-400-925	1000	40	800	20	80.0%	7" WC	14" WC
5-IBT.1200-400-400-400-925	1200	53.3	960	18	80.0%	7" WC	14" WC
5-IBT.1400-300-300-400-400-925	1400	40	1120	28	80.0%	7" WC	14" WC
5-IBT.1600-400-400-400-400-925	1600	53.3	1280	24	80.0%	7" WC	14" WC

CELDEK EVAPORATIVE COOLING UNIT			WATER INLET		DRAIN OPENING	
TOT. WEIGHT	MEDIA SIZE & QTY	NOZZLES	MAX. FLOW RATE	AA	AB	AC	AD
1302 LBS	25"x32"x12"	20	6.5 GPH	4-1/2	38-1/2	18	48-1/4
1332 LBS	25"x32"x12"	20	6.5 GPH	4-1/2	38-1/2	18	48-1/4
1387 LBS	25"x32"x12"	20	6.5 GPH	4-1/2	38-1/2	18	48-1/4
1461 LBS	25"x32"x12"	20	6.5 GPH	4-1/2	38-1/2	18	48-1/4
1655 LBS	30"x36"x12"	28	8.4 GPH	4-1/2	44	20	57-1/4
1747 LBS	30"x36"x12"	28	8.4 GPH	4-1/2	44	20	57-1/4
1826 LBS	30"x36"x12"	28	8.4 GPH	4-1/2	44	20	57-1/4
1714 LBS	30"x36"x12"	28	8.4 GPH	4-1/2	44	20	57-1/4
1868 LBS	30"x36"x12"	28	8.4 GPH	4-1/2	44	20	57-1/4
1981 LBS	30"x36"x12"	28	8.4 GPH	4-1/2	44	20	57-1/4
2407 LBS	38"x43"x12"	35	10.15 GPH	4-1/2	41-1/8	23-1/2	52-7/8
2525 LBS	38"x43"x12"	35	10.15 GPH	4-1/2	41-1/8	23-1/2	52-7/8
2663 LBS	38"x43"x12"	35	10.15 GPH	4-1/2	41-1/8	23-1/2	52-7/8
3402 LBS	38"x43"x12"	35	10.15 GPH	4-1/2	41-1/8	23-1/2	52-7/8
3514 LBS	38"x43"x12"	35	10.15 GPH	4-1/2	41-1/8	23-1/2	52-7/8
3038 LBS	45"x54"x12"	42	12.6 GPH	4-1/2	41-1/8	28-7/8	52-7/8
3249 LBS	45"x54"x12"	42	12.6 GPH	4-1/2	41-1/8	28-7/8	52-7/8
4132 LBS	45"x54"x12"	42	12.6 GPH	4-1/2	41-1/8	28-7/8	52-7/8
4244 LBS	45"x54"x12"	42	12.6 GPH	4-1/2	41-1/8	28-7/8	52-7/8
4356 LBS	45"x54"x12"	42	12.6 GPH	4-1/2	41-1/8	28-7/8	52-7/8
4468 LBS	45"x54"x12"	42	12.6 GPH	4-1/2	41-1/8	28-7/8	52-7/8
3740 LBS	45"x72"x12"	57	20.1 GPH	4-1/2	41-1/8	37-1/2	52-7/8
3957 LBS	45"x72"x12"	57	20.1 GPH	4-1/2	41-1/8	37-1/2	52-7/8
4729 LBS	45"x72"x12"	57	20.1 GPH	4-1/2	41-1/8	37-1/2	52-7/8
4841 LBS	45"x72"x12"	57	20.1 GPH	4-1/2	41-1/8	37-1/2	52-7/8
4953 LBS	45"x72"x12"	57	20.1 GPH	4-1/2	41-1/8	37-1/2	52-7/8

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

* ADDITIONAL RAIL/GAS CONNECTION ONLY FOR UNITS WITH 3 OR 4 FURNACES

**ALL MODELS ARE FULLY ELECTRONICALLY MODULATING

*** COMBUSTION EFFICIENCY OF EVERY UNIT IS 80.0% OVER THE ENTIRE GAS FIRING RANGE.

**** GAS PRESSURES IN TABLE ARE FOR NATURAL GAS, LP MINIMUM GAS INLET PRESSURE = 11" W.C.

MAX. EVAP WATER PRESSURE = 50 PSI @ 70 DEG. F

ETL LISTED