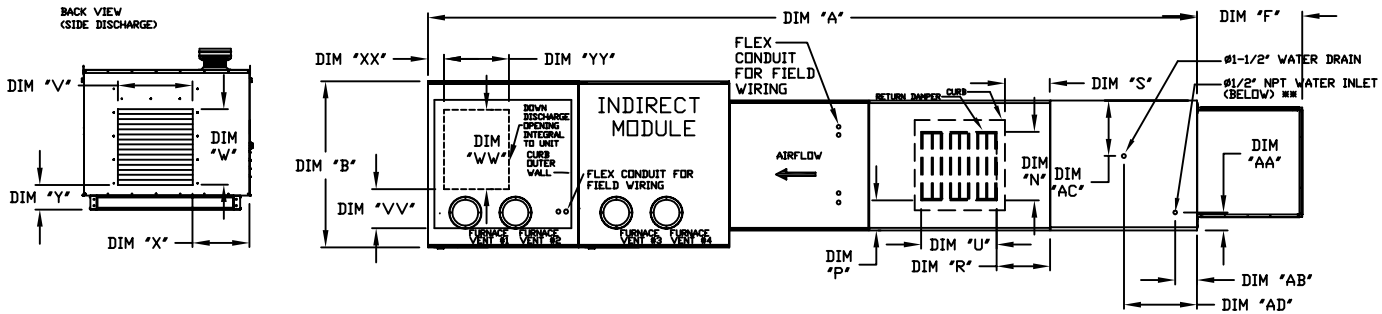
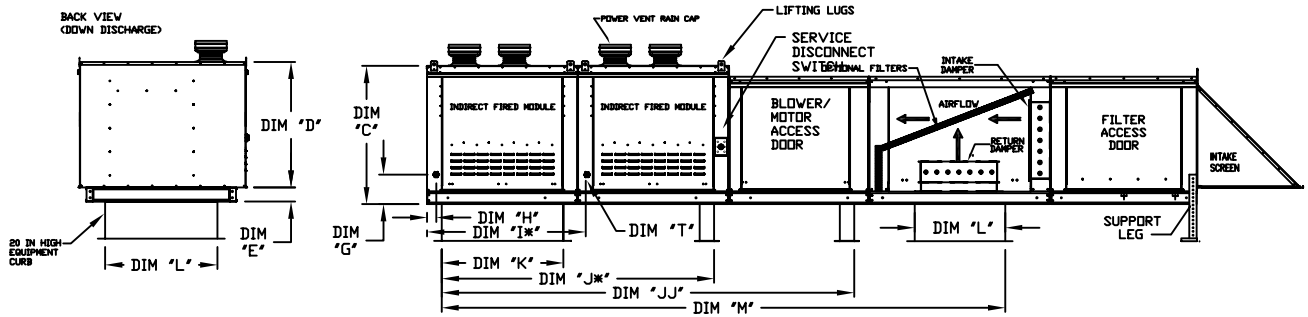
IODULAR OUTDOOR IBT HEATER WITH EVAPORATIVE COOLER, MIXING BOX AND SCREEN INTAKE

SIECMBSAHIBT
REV.#1 07/23/2012





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	# OF FURNACES	WATER INLET		DRAIN OPENING	
	A	B	C	D	E	F	G	H	I*	J*	JJ	K	L	M	N	P	R	S	U	V	W	X	Y	VV	WW	XX	YY	"T" (NPT)		AA	AB	AC	AD
1-IBT.150-G10	166-3/4	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	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	4-1/2	6-1/4	13	16
1-IBT.200-G10	166-3/4	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	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	4-1/2	6-1/4	13	16
1-IBT.300-150-150-G10	166-3/4	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	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	4-1/2	6-1/4	13	16
1-IBT.400-200-200-G10	166-3/4	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	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	4-1/2	6-1/4	13	16
2-IBT.200-G15	174-3/4	49-1/2	39-9/16	35-13/16	3-3/4	30-5/16	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	4-1/2	6-1/4	18	16
2-IBT.300-G15	174-3/4	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	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	4-1/2	6-1/4	18	16
2-IBT.400-G15	174-3/4	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	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	4-1/2	6-1/4	18	16
2-IBT.400-200-200-G15	174-3/4	49-1/2	39-9/16	35-13/16	3-3/4	30-5/16	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	4-1/2	6-1/4	18	16
2-IBT.600-300-300-G15	174-3/4	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	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	4-1/2	6-1/4	18	16
2-IBT.800-400-400-G15	174-3/4	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	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	4-1/2	6-1/4	18	16
3-IBT.400-G18	185-3/4	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	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	4-1/2	5-3/4	20	19
3-IBT.600-300-300-G18	185-3/4	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	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	4-1/2	5-3/4	20	19
3-IBT.800-400-400-G18	185-3/4	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	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	4-1/2	5-3/4	20	19
3-IBT.1000-300-300-400-G18	245-7/8	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	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	4-1/2	5-3/4	20	19
3-IBT.1200-400-400-400-G18	245-7/8	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	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	4-1/2	5-3/4	20	19
4-IBT.400-920	214	57-3/4	57-1/16	51-13/16	5-1/4	47-1/4	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	4-1/2	5-3/4	23-1/2	17-1/2
4-IBT.800-400-400-920	214	57-3/4	57-1/16	51-13/16	5-1/4	47-1/4	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	4-1/2	5-3/4	23-1/2	17-1/2
4-IBT.1000-300-300-400-920	274-1/8	57-3/4	57-1/16	51-13/16	5-1/4	47-1/4	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	4-1/2	5-3/4	23-1/2	17-1/2
4-IBT.1200-400-400-400-920	274-1/8	57-3/4	57-1/16	51-13/16	5-1/4	47-1/4	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	4-1/2	5-3/4	23-1/2	17-1/2
4-IBT.1400-300-300-400-400-920	274-1/8	57-3/4	57-1/16	51-13/16	5-1/4	47-1/4	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	4-1/2	5-3/4	23-1/2	17-1/2
4-IBT.1600-400-400-400-400-920	274-1/8	57-3/4	57-1/16	51-13/16	5-1/4	47-1/4	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	4-1/2	5-3/4	23-1/2	17-1/2
5-IBT.800-400-400-925	224	66-3/8	59-15/16	54-11/16	5-1/4	49-5/8	10-3/4	2-11/16	N/A	N/A	131-1/4	52-3/4	52-3/4	183-7/8	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	4-1/2	5-3/4	28-7/8	17-1/2
5-IBT.1000-300-300-400-925	284-1/8	66-3/8	59-15/16	54-11/16	5-1/4	49-5/8	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	4-1/2	5-3/4	28-7/8	17-1/2
5-IBT.1200-400-400-400-925	284-1/8	66-3/8	59-15/16	54-11/16	5-1/4	49-5/8	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	4-1/2	5-3/4	28-7/8	17-1/2
5-IBT.1400-300-300-400-400-925	284-1/8	66-3/8	59-15/16	54-11/16	5-1/4	49-5/8	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	4-1/2	5-3/4	28-7/8	17-1/2
5-IBT.1600-400-400-400-400-925	284-1/8	66-3/8	59-15/16	54-11/16	5-1/4	49-5/8	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	4-1/2	5-3/4	28-7/8	17-1/2

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-G18	400	53.3	320	6	80.0%	7" WC	14" WC
3-IBT.600-300-300-G18	600	40	480	12	80.0%	7" WC	14" WC
3-IBT.800-400-400-G18	800	53.3	640	12	80.0%	7" WC	14" WC
3-IBT.1000-300-300-400-G18	1000	40	800	20	80.0%	7" WC	14" WC
3-IBT.1200-400-400-400-G18	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

STANDARD EVAPORATIVE COOLING UNIT				
TOT. WEIGHT	MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE
1082 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH
1112 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH
1167 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH
1241 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH
1385 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
1477 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
1556 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
1444 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
1598 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
1711 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH
1952 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
2070 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
2208 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
2947 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
3059 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH
2577 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
2794 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
3677 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
3789 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
3901 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
4013 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH
3260 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH
3477 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH
4249 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH
4361 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH
4473 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH
[illegible]	20"x25"x2" (12)	638 FPM	30	15 GPH

CELDEK EVAPORATIVE COOLING UNIT				
TOT. WEIGHT	MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE
1087 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1117 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1172 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1246 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1380 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
1472 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
1531 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
1439 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
1593 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
1706 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
1942 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
2060 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
2198 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
2937 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
3049 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
2547 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
2764 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
3647 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
3759 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
3871 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
3983 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH
3220 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH
3437 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH
4209 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH
4321 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH
4433 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH
[illegible]	45"x54"x12"	1304 FPM	42	12.6 GPH

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"x15"x2" (2)
15"x20"x2" (4), 15"x15"x2" (2)
15"x20"x2" (4), 15"x15"x2" (2)
15"x20"x2" (4), 15"x15"x2" (2)
15"x20"x2" (4), 15"x15"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 FURNACE

**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.