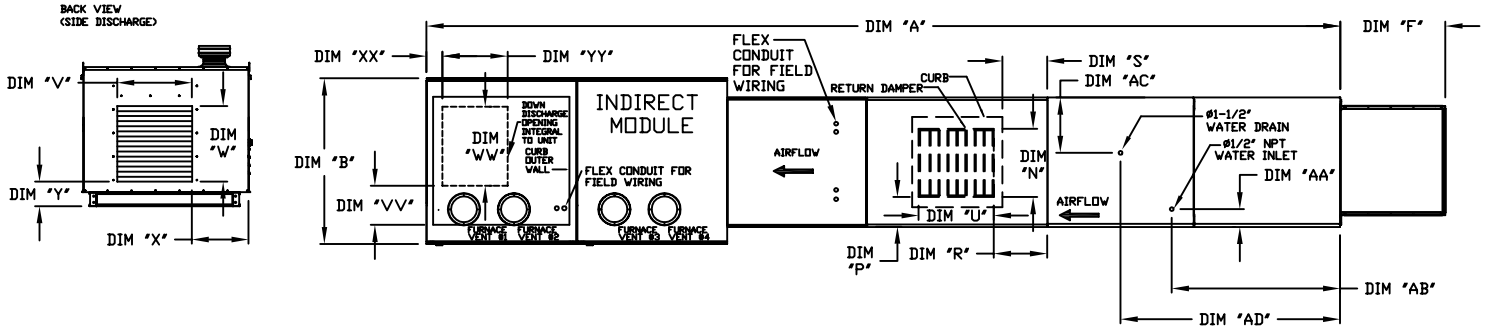
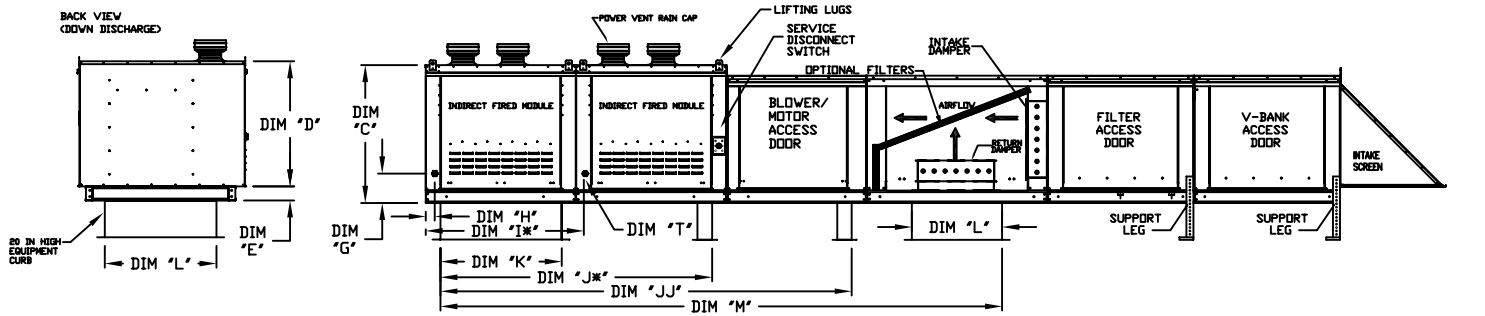
IODULAR OUTDOOR IBT HEATER WITH V-BANK, EVAPORATIVE COOLER, MIXING BOX AND SCREEN INTAKE

SIVDECHBSAHIBT
REV.#1 07/25/2012





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		V-BANK INFORMATION
	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	FILTER SIZE & QTY
1-IBT.150-G10	199	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	1	4-1/2	38-1/2	13	48-1/4	20"x25"x2" (3)
1-IBT.200-G10	199	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	1	4-1/2	38-1/2	13	48-1/4	20"x25"x2" (3)
1-IBT.300-150-150-G10	199	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	1	4-1/2	38-1/2	13	48-1/4	20"x25"x2" (3)
1-IBT.400-200-200-G10	199	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	1	4-1/2	38-1/2	13	48-1/4	20"x25"x2" (3)
2-IBT.200-G15	207	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	1	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
2-IBT.300-G15	207	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	1	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
2-IBT.400-G15	207	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	1	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
2-IBT.400-200-200-G15	207	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	1	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
2-IBT.600-300-300-G15	207	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	1	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
2-IBT.800-400-400-G15	207	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	1	4-1/2	38-1/2	18	48-1/4	16"x20"x2" (8)
3-IBT.400-G18	224	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	1	4-1/2	44	20	57-1/4	20"x25"x2" (8)
3-IBT.600-300-300-G18	224	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	1	4-1/2	44	20	57-1/4	20"x25"x2" (8)
3-IBT.800-400-400-G18	224	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	1	4-1/2	44	20	57-1/4	20"x25"x2" (8)
3-IBT.1000-300-300-400-G18	284-1/8	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	1	4-1/2	44	20	57-1/4	20"x25"x2" (8)
3-IBT.1200-400-400-400-G18	284-1/8	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	1	4-1/2	44	20	57-1/4	20"x25"x2" (8)
4-IBT.400-920	249-3/8	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	1	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
4-IBT.800-400-400-920	249-3/8	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	1	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
4-IBT.1000-300-300-400-920	309-1/2	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	1	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
4-IBT.1200-400-400-400-920	309-1/2	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	1	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
4-IBT.1400-300-300-400-400-920	309-1/2	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	1	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
4-IBT.1600-400-400-400-400-920	309-1/2	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	1	4-1/2	41-1/8	23-1/2	52-7/8	16"x20"x2" (15)
5-IBT.400-925	259-3/8	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	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	1	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)
5-IBT.800-400-400-925	259-3/8	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	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	1	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)
5-IBT.1000-300-300-400-925	319-1/2	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	1	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)
5-IBT.1200-400-400-400-925	319-1/2	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	1	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)
5-IBT.1400-300-300-400-400-925	319-1/2	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	1	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)
5-IBT.1600-400-400-400-400-925	319-1/2	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	1	4-1/2	41-1/8	28-7/8	52-7/8	20"x25"x2" (12)

UNIT INFORMATION

MODEL	BTU RANGE (MBH)**			TURNDOWN RATIO	COMBUSTION EFFICIENCY***	GAS PRESSURE****		STANDARD EVAPORATIVE COOLING UNIT					CELDEK EVAPORATIVE COOLING UNIT					OPTIONAL MIXING BOX FILTERS
	BURNER INPUT	BTU LOW	BTU HIGH			MIN	MAX	TOT. WEIGHT	MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE	TOT. WEIGHT	MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE	FILTER SIZE & QTY
1-IBT.150-G10	150	20	120	6	80.0%	7" WC	14" WC	1177 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1182 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH	10"x16"x2" (5)
1-IBT.200-G10	200	26.7	160	6	80.0%	7" WC	14" WC	1207 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1212 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH	10"x16"x2" (5)
1-IBT.300-150-150-G10	300	20	240	12	80.0%	7" WC	14" WC	1262 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1267 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH	10"x16"x2" (5)
1-IBT.400-200-200-G10	400	26.7	320	12	80.0%	7" WC	14" WC	1336 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1341 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH	10"x16"x2" (5)
2-IBT.200-G15	200	26.7	160	6	80.0%	7" WC	14" WC	1520 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1515 LBS	25"x32"x12"	1080 FPM	20	6.5 GPM	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.300-G15	300	40	240	6	80.0%	7" WC	14" WC	1612 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1607 LBS	25"x32"x12"	1080 FPM	20	6.5 GPM	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.400-G15	400	53.3	320	6	80.0%	7" WC	14" WC	1691 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1686 LBS	25"x32"x12"	1080 FPM	20	6.5 GPM	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.400-200-200-G15	400	26.7	320	12	80.0%	7" WC	14" WC	1579 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1574 LBS	25"x32"x12"	1080 FPM	20	6.5 GPM	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.600-300-300-G15	600	40	480	12	80.0%	7" WC	14" WC	1733 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1728 LBS	25"x32"x12"	1080 FPM	20	6.5 GPM	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.800-400-400-G15	800	53.3	640	12	80.0%	7" WC	14" WC	1846 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1841 LBS	25"x32"x12"	1080 FPM	20	6.5 GPM	20"x25"x2" (2), 16"x25"x2" (1)
3-IBT.400-G18	400	53.3	320	6	80.0%	7" WC	14" WC	2117 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2107 LBS	30"x36"x12"	1067 FPM	28	8.4 GPM	15"x20"x2" (4), 15"x15"x2" (2)
3-IBT.600-300-300-G18	600	40	480	12	80.0%	7" WC	14" WC	2235 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2225 LBS	30"x36"x12"	1067 FPM	28	8.4 GPM	15"x20"x2" (4), 15"x15"x2" (2)
3-IBT.800-400-400-G18	800	53.3	640	12	80.0%	7" WC	14" WC	2373 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2363 LBS	30"x36"x12"	1067 FPM	28	8.4 GPM	15"x20"x2" (4), 15"x15"x2" (2)
3-IBT.1000-300-300-400-G18	1000	40	800	20	80.0%	7" WC	14" WC	3112 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	3102 LBS	30"x36"x12"	1067 FPM	28	8.4 GPM	15"x20"x2" (4), 15"x15"x2" (2)
3-IBT.1200-400-400-400-G18	1200	53.3	960	18	80.0%	7" WC	14" WC	3224 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	3214 LBS	30"x36"x12"	1067 FPM	28	8.4 GPM	15"x20"x2" (4), 15"x15"x2" (2)
4-IBT.400-920	400	53.3	320	6	80.0%	7" WC	14" WC	2812 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	2782 LBS	38"x43"x12"	1322 FPM	35	10.15 GPM	18"x25"x2" (4), 16"x20"x2" (2)
4-IBT.800-400-400-920	800	53.3	640	12	80.0%	7" WC	14" WC	3029 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	2999 LBS	38"x43"x12"	1322 FPM	35	10.15 GPM	18"x25"x2" (4), 16"x20"x2" (2)
4-IBT.1000-300-300-400-920	1000	40	800	20	80.0%	7" WC	14" WC	3912 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	3882 LBS	38"x43"x12"	1322 FPM	35	10.15 GPM	18"x25"x2" (4), 16"x20"x2" (2)
4-IBT.1200-400-400-400-920	1200	53.3	960	18	80.0%	7" WC	14" WC	4024 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	3994 LBS	38"x43"x12"	1322 FPM	35	10.15 GPM	18"x25"x2" (4), 16"x20"x2" (2)
4-IBT.1400-300-300-400-400-920	1400	40	1120	28	80.0%	7" WC	14" WC	4136 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	4106 LBS	38"x43"x12"	1322 FPM	35	10.15 GPM	18"x25"x2" (4), 16"x20"x2" (2)
4-IBT.1600-400-400-400-400-920	1600	53.3	1280	24	80.0%	7" WC	14" WC	4248 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	4218 LBS	38"x43"x12"	1322 FPM	35	10.15 GPM	18"x25"x2" (4), 16"x20"x2" (2)
5-IBT.400-925	400	53.3	320	6	80.0%	7" WC	14" WC	2535 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	2515 LBS	45"x54"x12"	1304 FPM	42	12.6 GPM	14.5"x19"x2" (12)
5-IBT.800-400-400-925	800	53.3	640	12	80.0%	7" WC	14" WC	3772 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	3732 LBS	45"x54"x12"	1304 FPM	42	12.6 GPM	14.5"x19"x2" (12)
5-IBT.1000-300-300-400-925	1000	40	800	20	80.0%	7" WC	14" WC	4544 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4504 LBS	45"x54"x12"	1304 FPM	42	12.6 GPM	14.5"x19"x2" (12)
5-IBT.1200-400-400-400-925	1200	53.3	960	18	80.0%	7" WC	14" WC	4656 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4616 LBS	45"x54"x12"	1304 FPM	42	12.6 GPM	14.5"x19"x2" (12)
5-IBT.1400-300-300-400-400-925	1400	40	1120	28	80.0%	7" WC	14" WC	4768 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4728 LBS	45"x54"x12"	1304 FPM	42	12.6 GPM	14.5"x19"x2" (12)
5-IBT.1600-400-400-400-400-925	1600	53.3	1280	24	80.0%	7" WC	14" WC	4880 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4840 LBS	45"x54"x12"	1304 FPM	42	12.6 GPM	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.