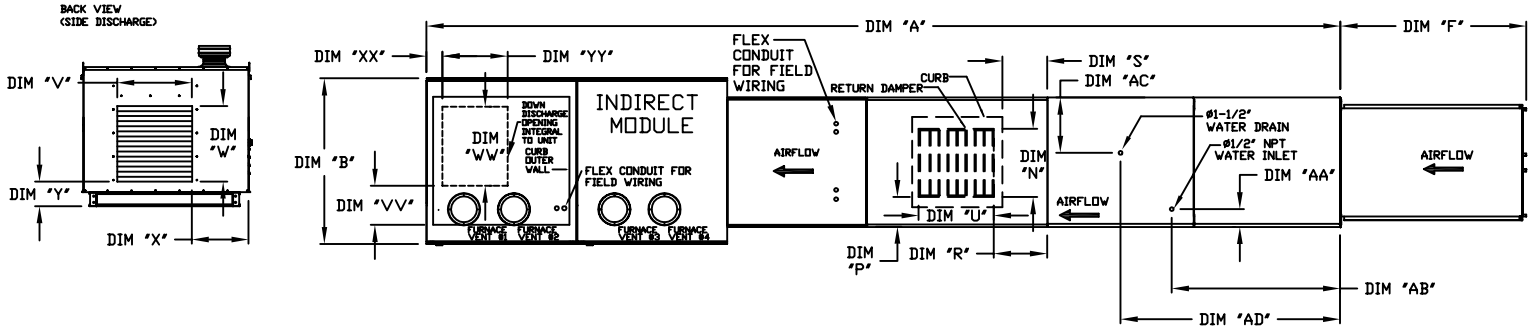
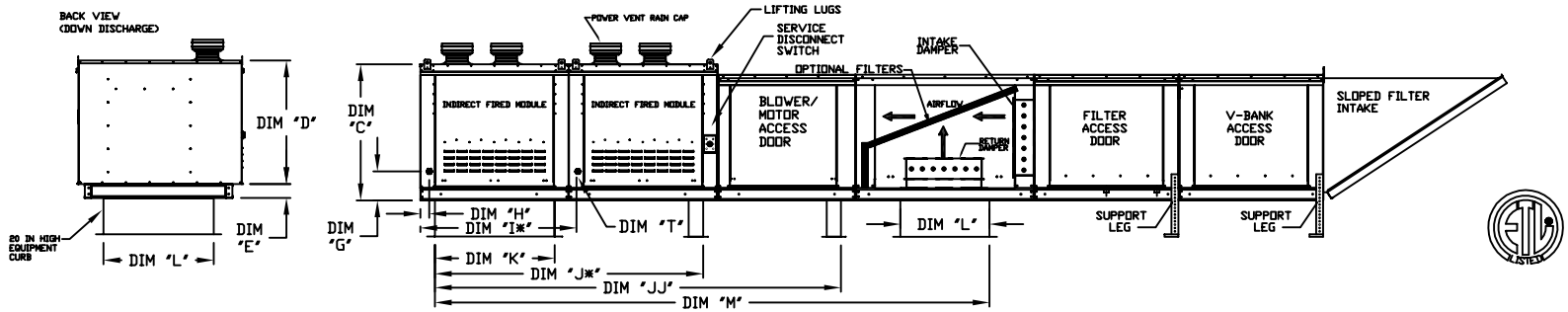
IODULAR OUTDOOR IBT HEATER WITH V-BANK, EVAPORATIVE COOLER, MIXING BOX AND INTAKE HOOD

IHVBECMBSAHIBT
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	44-3/8	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	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	44-3/8	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	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	44-3/8	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	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	44-3/8	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	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	53-5/8	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	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	53-5/8	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	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	53-5/8	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	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	53-5/8	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	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	53-5/8	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	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	53-5/8	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	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	51-5/8	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	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	51-5/8	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	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	51-5/8	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	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	51-5/8	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	4-1/2	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	51-5/8	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	4-1/2	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	76-3/8	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	4-1/2	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	76-3/8	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	4-1/2	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	76-3/8	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	4-1/2	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	76-3/8	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	4-1/2	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	76-3/8	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	4-1/2	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	76-3/8	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	4-1/2	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	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	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	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	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	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	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	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	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	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	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	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	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	1197 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1202 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	1227 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1232 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	1282 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1287 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	1356 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1361 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	1550 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1545 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.300-G15	300	40	240	6	80.0%	7" WC	14" WC	1642 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1637 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.400-G15	400	53.3	320	6	80.0%	7" WC	14" WC	1721 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1716 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	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	1609 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1604 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	20"x25"x2" (2), 16"x25"x2" (1)
2-IBT.600-300-300-G15	600	40	480	12	80.0%	7" WC	14" WC	1763 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1758 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	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	1876 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1871 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH	20"x25"x2" (2), 16"x25"x2" (1)
3-IBT.400-G18	400	53.3	320	6	80.0%	7" WC	14" WC	2157 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2147 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	15"x20"x2" (4), 15"x15"x2" (2)
3-IBT.600-300-300-G18	600	40	480	12	80.0%	7" WC	14" WC	2275 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2265 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	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	2413 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2403 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	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	3152 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	3142 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	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	3264 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	3254 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH	15"x20"x2" (4), 15"x15"x2" (2)
4-IBT.400-920	400	53.3	320	6	80.0%	7" WC	14" WC	2922 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	2892 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH	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	3139 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	3109 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH	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	4022 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	3992 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH	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	4134 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	4104 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH	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	4246 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	4216 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH	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	4358 LBS	16"x20"x2" (15)	572 FPM	24	12 GPH	4328 LBS	38"x43"x12"	1322 FPM	35	10.15 GPH	18"x25"x2" (4), 16"x20"x2" (2)
5-IBT.400-925	400	53.3	320	6	80.0%	7" WC	14" WC	2645 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	3605 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)
5-IBT.800-400-400-925	800	53.3	640	12	80.0%	7" WC	14" WC	3862 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	3822 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)
5-IBT.1000-300-300-400-925	1000	40	800	20	80.0%	7" WC	14" WC	4634 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4594 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)
5-IBT.1200-400-400-400-925	1200	53.3	960	18	80.0%	7" WC	14" WC	4746 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4706 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)
5-IBT.1400-300-300-400-400-925	1400	40	1120	28	80.0%	7" WC	14" WC	4858 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4818 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	14.5"x19"x2" (12)
5-IBT.1600-400-400-400-400-925	1600	53.3	1280	24	80.0%	7" WC	14" WC	4970 LBS	20"x25"x2" (12)	638 FPM	30	15 GPH	4930 LBS	45"x54"x12"	1304 FPM	42	12.6 GPH	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.