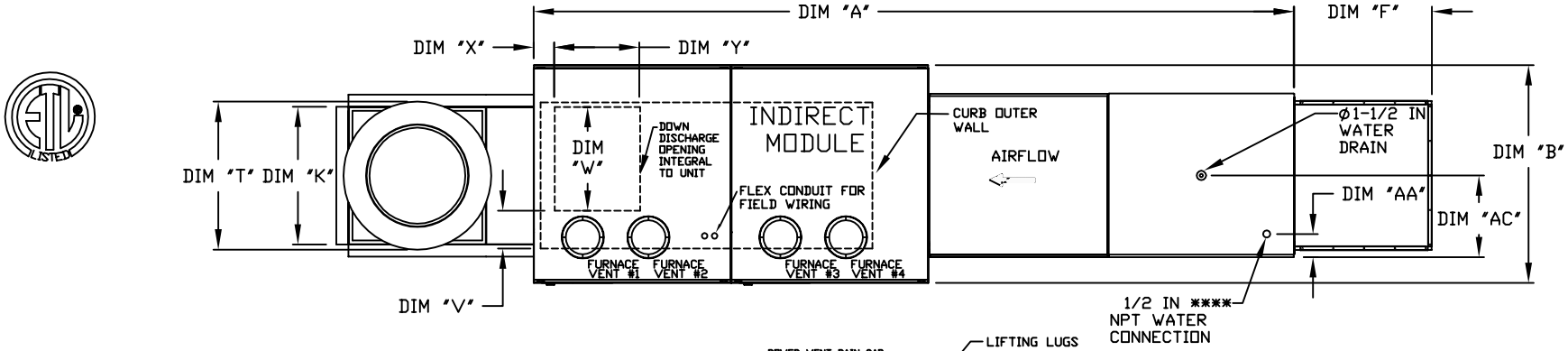
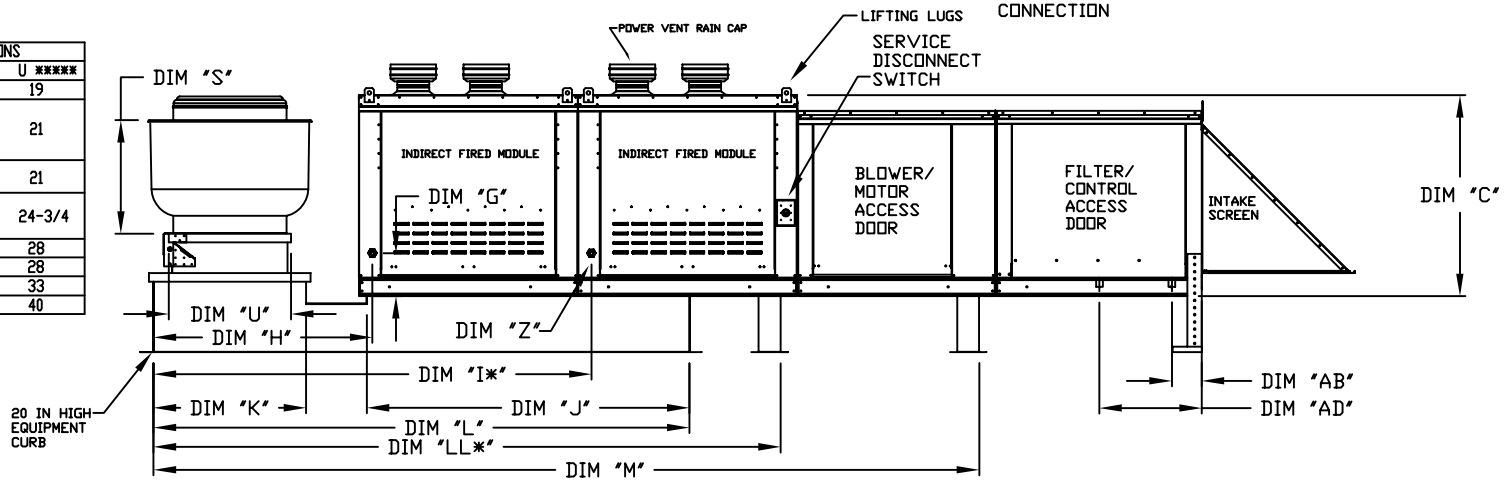
ISOLAIR OUTDOOR DOWN DISCHARGE IBT HEATER ROOF TOP FURNACE WITH EVAPORATIVE COOLER AND SCREEN INTAKE

REV.#3 07/25/2012



EXHAUST UNIT DIMENSIONS			
MODEL #	S	T	U *****
DU12	14-1/2	22	19
BDU11 DU25 DU30 DU33	18-1/2	27-1/4	21
BDU13 DU50	21-1/2	30-1/4	21
BDU15 DU75 DU85	23	33-3/4	24-3/4
BDU18	23-1/2	39-3/8	28
BDU20	29-1/2	38-7/8	28
BDU24	30-5/8	43-3/8	33
BDU30	33-1/2	52-3/4	40



MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	UNIT DIMENSIONS														DOWN DISCHARGE OPENING				GAS CONNECTION	# OF FURNACES	WATER INLET		DRAIN OPENING	
	A	B	C	D	E	F	G	H	I*	J	K	L	LL*	M	V	W	X	Y	"Z" (NPT)		AA	AB	AC	AD
1-IBT.150-G10	124-1/2	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	8-3/4	36-1/8	N/A	71	21	106	N/A	124-3/16	3	16-3/4	3-1/8	21	3/4	1	4-1/2	6-1/4	13	16
1-IBT.200-G10	124-1/2	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	8-3/4	36-1/8	N/A	71	21	106	N/A	124-3/16	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	124-1/2	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	8-3/4	36-1/8	N/A	71	21	106	N/A	124-3/16	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	124-1/2	49-1/2	39-9/16	35-13/16	3-3/4	22-3/8	8-3/4	36-1/8	N/A	71	21	106	N/A	124-3/16	3	16-3/4	3-1/8	21	3/4	2	4-1/2	6-1/4	13	16
2-IBT.200-G15	132-1/2	49-1/2	39-9/16	35-13/16	3-3/4	30-5/16	8-3/4	46-1/8	N/A	79	31	124	N/A	142-3/16	5	24	3-1/8	21	1	1	4-1/2	6-1/4	18	16
2-IBT.300-G15	132-1/2	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	8-3/4	46-1/8	N/A	79	31	124	N/A	142-3/16	5	24	3-1/8	21	1	1	4-1/2	6-1/4	18	16
2-IBT.400-G15	132-1/2	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	8-3/4	46-1/8	N/A	79	31	124	N/A	142-3/16	5	24	3-1/8	21	1	1	4-1/2	6-1/4	18	16
2-IBT.400-200-200-G15	132-1/2	49-1/2	39-9/16	35-13/16	3-3/4	30-5/16	8-3/4	46-1/8	N/A	79	31	124	N/A	142-3/16	5	24	3-1/8	21	1	2	4-1/2	6-1/4	18	16
2-IBT.600-300-300-G15	132-1/2	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	8-3/4	46-1/8	N/A	79	31	124	N/A	142-3/16	5	24	3-1/8	21	1	2	4-1/2	6-1/4	18	16
2-IBT.800-400-400-G15	132-1/2	49-1/2	53-7/8	50-1/8	3-3/4	30-5/16	8-3/4	46-1/8	N/A	79	31	124	N/A	142-3/16	5	24	3-1/8	21	1	2	4-1/2	6-1/4	18	16
3-IBT.400-G18	143-1/2	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	10-3/4	50-1/8	N/A	84	35	133	N/A	151-3/16	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	143-1/2	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	10-3/4	50-1/8	N/A	84	35	133	N/A	151-3/16	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	143-1/2	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	10-3/4	50-1/8	N/A	84	35	133	N/A	151-3/16	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	203-5/8	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	10-3/4	50-1/8	110-1/4	84	35	133	166-1/16	211-5/16	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	203-5/8	57-3/4	57-1/16	51-13/16	5-1/4	34-3/16	10-3/4	50-1/8	110-1/4	84	35	133	166-1/16	211-5/16	6-3/4	26-1/2	4-1/8	26-1/2	1	3	4-1/2	5-3/4	20	19

* 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.

***** 9 INCH HIGH EXHAUST ADAPTER MAY BE REQUIRED

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

UNIT INFORMATION

MODEL	BTU RANGE (MBH)**			TURNDOWN RATIO	COMBUSTION EFFICIENCY***	GAS PRESSURE****		STANDARD EVAPORATIVE COOLING UNIT					CELDEK EVAPORATIVE COOLING UNIT				
	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
1-IBT.150-G10	150	20	120	6	80.0%	7" WC	14" WC	927 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	932 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1-IBT.200-G10	200	26.7	160	6	80.0%	7" WC	14" WC	957 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	962 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1-IBT.300-150-150-G10	300	20	240	12	80.0%	7" WC	14" WC	1012 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1017 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
1-IBT.400-200-200-G10	400	26.7	320	12	80.0%	7" WC	14" WC	1086 LBS	20"x25"x2" (3)	406 FPM	6	3 GPH	1091 LBS	20"x24"x12"	1050 FPM	12	3.9 GPH
2-IBT.200-G15	200	26.7	160	6	80.0%	7" WC	14" WC	1170 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1165 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
2-IBT.300-G15	300	40	240	6	80.0%	7" WC	14" WC	1262 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1257 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
2-IBT.400-G15	400	53.3	320	6	80.0%	7" WC	14" WC	1341 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1336 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
2-IBT.400-200-200-G15	400	26.7	320	12	80.0%	7" WC	14" WC	1229 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1224 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
2-IBT.600-300-300-G15	600	40	480	12	80.0%	7" WC	14" WC	1383 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1378 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
2-IBT.800-400-400-G15	800	53.3	640	12	80.0%	7" WC	14" WC	1496 LBS	16"x20"x2" (8)	429 FPM	10	5 GPH	1491 LBS	25"x32"x12"	1080 FPM	20	6.5 GPH
3-IBT.400-G18	400	53.3	320	6	80.0%	7" WC	14" WC	1672 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1662 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
3-IBT.600-300-300-G18	600	40	480	12	80.0%	7" WC	14" WC	1790 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1780 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
3-IBT.800-400-400-G18	800	53.3	640	12	80.0%	7" WC	14" WC	1928 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	1918 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
3-IBT.1000-300-300-400-G18	1000	40	800	20	80.0%	7" WC	14" WC	2667 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2657 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH
3-IBT.1200-400-400-400-G18	1200	53.3	960	18	80.0%	7" WC	14" WC	2778 LBS	20"x25"x2" (8)	348 FPM	14	7 GPH	2768 LBS	30"x36"x12"	1067 FPM	28	8.4 GPH