



BLU+ ECO SERIES INVERTER

SINGLE ZONE

 **R-454B**
REFRIGERANT



 HIGHEST COOLING CAPABILITY

 OPTIMIZED ENERGY EFFICIENCY

 LOW NOISE LEVEL

SEER²



CONFORMS TO
UL STD. 1995
CERTIFIED TO
CSA STD. C22.2
NO. 236



		9K-115V	12K-115V	12K-220V	18K-220V	24K-220V	36K-220V
BLUE + ECO SERIES R454B INDOOR		IBMH090B	IBMH120B	IIBMH121B	IBMH181B	IBMH241B	IBMH361B
BLUE + ECO SERIES R454B OUTDOOR		OBMH090B	OBMH120B	OBMH121B	OBMH181B	OBMH241B	OBMH361B
TYPE		COOLING AND HEATING	COOLING AND HEATING	COOLING AND HEATING	COOLING AND HEATING	COOLING AND HEATING	COOLING AND HEATING
VOLTAGE RANGE	V-HZ-PH	115V,60HZ,1PH	115V,60HZ,1PH	208/230V,60HZ,1PH	208/230V,60HZ,1PH	208/230V,60HZ,1PH	208/230V,60HZ,1PH
COOLING CAPACITY	BTU/H	9000	12000	12000	18000	24000	36000
COOLING INPUT	W	720	1200	1111	1565	2474	3830
COOLING CURRENT	A	7.6	12.3	4.9	7.0	11.1	17.0
SEER2	BTU/H/W	21.5	21.3	21.3	20.2	18.5	19.5
EER2	BTU/H/W	12.5	10.0	10.8	11.5	9.6	9.3
COOLING CAPACITY RANGE	BTU/H	2900-10500	3800-12600	2700-13800	2600-18600	6200-24700	6600-36800
COOLING INPUT (RANGE)	W	300 ~ 880	400 ~ 1280	220 ~ 1430	280 ~ 1680	290 ~ 2630	735 ~ 4400
COOLING CURRENT(RANGE)	A	3.0 -8.6	3.6 -12.8	1.3 -6.3	2.1 -7.4	2.0 -11.5	3.4 -19.8
HEATING CAPACITY	BTU/H	10000	12000	12000	18800	25000	36000
HEATING INPUT	W	930	1116	1053	1790	2275	3580
HEATING CURRENT	A	9.4	11.4	4.7	8.0	9.9	16.0
HSPF2-4	BTU/H/W	9.1	8.7	9.2	9.1	9.0	9.1
HSPF2-5	BTU/H/W	7.0	6.7	7.0	7.0	7.1	7.0
HEATING CAPACITY RANGE	BTU/H	2400-11200	2730-12500	4200-14100	6100-19200	11900-27200	11400-44000
HEATING INPUT(RANGE)	W	320 -930	320 -1180	235 -1310	365 -2010	970 -2770	1015 -4800
HEATING CURRENT(RANGE)	A	3.0 -10.2	3.6 -12.0	1.3 -5.8	2.5 -8.9	4.2 -12.1	4.6 -21.5
COOLING AT 109 F (43) RATED CAPACITY	BTU/H	8600	9300	9400	14700	19600	25700
COOLING AT 5 F (-15)	BTU/H	10500	13000	12000	17900	30800	36000
HEATING AT 17F (-8.33) RATED CAPACITY	BTU/H	7400	8100	9200	13300	20200	25600
HEATING(H42) 5F(-15) RATED CAPACITY	BTU/H	7000	7000	8000	11500	22000	24000
INDOOR MINIMUM CIRCUIT AMPACITY	A	3.0	3.0	3.0	3.0	3.0	3.0
INDOOR MAX.FUSE	A	15	15	15	15	15	15
OUTDOOR MINIMUM CIRCUIT AMPACITY	A	18.0	19.0	13.0	15.0	19.0	33.0
OUTDOOR MAX.FUSE	A	20	20	15	20	20	35
CONNECTION WIRING		14#X4	14#X4	14#X4	14#X4	14#X4	14#X4
	A	0.3	0.6	0.4	0.5	0.6	1.0
OUTDOOR OUTDOOR FAN MOTOR RLA	A	0.5	0.6	0.4	0.4	0.8	1.3
OUTDOOR COMPRESSOR RATED CURRENT(RLA)	A	13.5	14.0	7.5	10.0	13.8	21.5
INDOOR INDOOR AIR FLOW (TURBO/HI/MI/LO/SI)	CFM	312.0 / 235.4 / 170.7 / 135.4 / 105.9	353.2 / 294.3 / 235.4 / 176.6 / 129.5	347.3 / 294.3 / 194.2 / 153.0 //	470.9 / 400.2 / 329.6 / 270.8 //	729.9 / 547.4 / 400.2 / 329.6 //	871.1 / 676.9 / 447.3 / 329.6 //
INDOOR NOISE LEVEL (TURBO/HI/MI/LO/SI)	DB(A)	43.5/37.0/33.0/23.0/18.5	45.0/41.0/37.0/27.5/18.5	46/41/35/24/18.5	49.0/45/38/23/19	54.0/46/41.0/28/22	57.0/51.0/45.0/33.5/27.5
OUTDOOR NOISE LEVEL (HI)	DB(A)	53.0	52.5	53.0	58.0	62.0	63.0
OUTDOOR OUTDOOR AIR FLOW	CFM	1294.1	1235.3	1235.3	1235.3	1764.7	2235.294118
N.A. DESIGN PRESSURE	PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
OUTDOOR REFRIGERANT TYPE		R454B	R454B	R454B	R454B	R454B	R454B
OUTDOOR REFRIGERANT CHARGE	OZ	21.52	24.34	24.69	40.57	53.62	112.88
OUTDOOR ADDITIONAL CHARGE PER FEET	OZ/FT	0.16	0.16	0.16	0.16	0.32	0.32
LIQUID SIDE	MM(INCH)	6.35MM (1/4IN)	6.35MM (1/4IN)	6.35MM (1/4IN)	6.35MM (1/4IN)	9.52MM (3/8IN)	9.52MM (3/8IN)
GAS SIDE	MM(INCH)	9.52MM (3/8IN)	9.52MM (3/8IN)	9.52MM (3/8IN)	12.7MM (1/2IN)	15.9MM (5/8IN)	15.9MM (5/8IN)
MAX. PIPING LENGTH	FT	82.00	82.00	82.00	98.40	164.00	213.20
MAX. HEIGHT DIFFERENCE	FT	49.20	49.20	49.20	65.60	82.00	98.40
INDOOR OPERATING TEMP. RANGE(COOLING)	F	60-90	60-90	60-90	60-90	60-90	60-90
OUTDOOR OPERATING TEMP. RANGE(HEATING)	F	5-75	5-75	5-75	5-75	5-75	-13-75
INDOOR OPERATING TEMP. RANGE(HEATING)	F	32-86	32-86	32-86	32-86	32-86	32-86
OUTDOOR OPERATING TEMP. RANGE(COOLING)	F	5-122	5-122	5-122	5-122	5-122	-13-122
INDOOR ITEM NET/GROSS WEIGHT	LB	18.30/23.59	19.40/25.57	18.96/25.13	25.35/32.85	30.64/39.68	43.43/56.88
INDOOR UNIT DIMENSION WXDHX	INCH	28.70 X 7.87 X 11.50	31.57 X 7.87 X 11.61	31.57 X 7.87 X 11.61	38.23 X 8.98 X 12.64	42.60 X 9.21 X 13.27	49.57 X 11.14 X 14.25
INDOOR PACKAGE DIMENSION WDXDXH	INCH	31.10 X 10.63 X 14.76	34.45 X 11.22 X 14.96	34.45 X 11.22 X 14.96	41.14 X 12.01 X 15.94	45.47 X 16.34 X 12.40	52.76 X 17.72 X 15.16
OUTDOOR ITEM NET/GROSS WEIGHT	LB	56.66/62.17	61.29/67.02	59.08/64.37	72.31/78.48	94.58/102.29	150.35/160.27
OUTDOOR UNIT DIMENSION WXDHX	INCH	30.12 X 11.93 X 21.85	30.12 X 11.93 X 21.85	30.12 X 11.93 X 21.85	31.69 X 12.99 X 21.81	35.04 X 13.46 X 26.50	37.24 X 16.14 X 31.89
OUTDOOR PACKAGE DIMENSION WDXDXH	INCH	34.92 X 13.27 X 24.02	34.92 X 13.27 X 24.02	34.92 X 13.27 X 24.02	36.02 X 14.57 X 24.21	39.17 X 15.67 X 29.13	42.91 X 19.68 X 34.84
OUTDOOR COMPRESSOR TYPE		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
OUTDOOR COMPRESSOR BRAND		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
OUTDOOR COMPRESSOR CAPACITY	W	2035/3255	1930/3100 ±3%	1930/3100 ±3%	4385	4780/7600	8095

