

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
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
V		103.5-126.5	103.5-126.5	187-253	187-253	187-253	187-253
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 WDXH	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 WDXH	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 WDXH	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 WDXH	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

