



# BLU+ ECO SERIES INVERTER

## MULTI ZONE

 **R-454B**  
REFRIGERANT



 HIGHEST COOLING CAPABILITY

 OPTIMIZED ENERGY EFFICIENCY

 LOW NOISE LEVEL

**SEER<sup>2</sup>**



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



			MOBMH180D	MOBMH270D	MOBMH360D	MOBMH480D
BASIC INFORMATION	NUMBER OF ZONES		18K 3	27K 4	36K 5	48K 6
	OUTDOOR MARKET MODEL		MOBMH180D	MOBMH270D	MOBMH360D	MOBMH480D
BASIC PARAMETER	POWER SUPPLY(VOLTS; HZ; PHASE)		208/230V,60HZ,1PH	208/230V,60HZ,1PH	208/230V,60HZ,1PH	208/230V,60HZ,1PH
	VOLTAGE RANGE	V	187-253	187-253	187-253	187-253
NATIONAL CERTIFICATION	COOLING CAPACITY	BTU/H	18000	26000	35000	45000
	COOLING INPUT	W	1440	2130	2915	3850
	COOLING CURRENT	A	6.2	10	13	17.3
	SEER2	BTU/H/W	23	23	23.1	21.3
	EER2	BTU/H/W	12.5	12.2	12	11.7
	COOLING CAPACITY RANGE	BTU/H	5400-21600	7200-32000	9000-40000	12000-49000
	COOLING INPUT (RANGE)	W	400 ~ 1900	500 ~ 2730	600 ~ 4100	800 ~ 5900
	COOLING CURRENT(RANGE)	A	3.5 ~8.5	4.0 ~12.0	5.0 ~18.5	7.0 ~26.0
	HEATING CAPACITY	BTU/H	19000	27000	37000	48000
	HEATING INPUT	W	1465	2198	3098	3908
	HEATING CURRENT	A	6.6	10	14	17.3
	HSPF2-4	BTU/H/W	10	9.5	10	10
	HSPF2-5	BTU/H/W	7.7	7.1	7.5	7.7
	HEATING CAPACITY RANGE	BTU/H	5700-21600	8400-29200	10000-40000	13000-55000
	HEATING INPUT(RANGE)	W	350 ~1900	500 ~2560	600 ~3950	800 ~5200
	HEATING CURRENT(RANGE)	A	3.0 ~8.5	4.0 ~11.5	5.0 ~18.0	7.0 ~23.0
	HEATING(H32) RATED CAPACITY	BTU/H	13500	18000	27000	34000
	HEATING(H32) COP	W/W	2.6	2.5	2.4	2.4
	HEATING(H42) RATED CAPACITY	BTU/H	13500	19000	26000	36000
	HEATING(H42) COP	W/W	2.2	2	2	2.1
	COOLING CAPACITY AT 109 F (43 )	BTU/H	16000	24800	32000	42000
	COOLING CAPACITY AT 5F (-15 )	BTU/H	25000	30000	37000	45000
	HEATING CAPACITY AT 17F (-8.33 )	BTU/H	14000	18000	31600	34000
	HEATING CAPACITY AT 5F(-15 )	BTU/H	13500	19000	26000	36000
	HEATING CAPACITY AT -4F (-20 )	BTU/H	10000	13600	24000	25000
	HEATING CAPACITY AT -13F (-25 )	BTU/H	8000	11800	20000	20000
	OUTDOOR MINIMUM CIRCUIT AMPACITY	A	16	23	30.5	34
	OUTDOOR MAX.FUSE	A	20	25	35	40
	CONNECTION WIRING		AWG 14-4	AWG 14-4	AWG 14-4	AWG 14-4
	OUTDOOR OUTDOOR FAN MOTOR RLA	A	1.0	1.2	1.3	2.5
	OUTDOOR COMPRESSOR RATED CURRENT(RLA)	A	8.2	12.1	17	24
	OUTDOOR OUTDOOR AIR FLOW(CFM)	CFM	1765.8	2130.7	2148.4	4502.8
OUTDOOR NOISE LEVEL (HI)	DB(A)	60	61	63	65	
N.A. DESIGN PRESSURE	PSI	550 / 340	550 / 340	550 / 340	550 / 340	
BASIC PARAMETER(NC)	OUTDOOR REFRIGERANT TYPE		R454B	R454B	R454B	R454B
	OUTDOOR REFRIGERANT CHARGE	OZS	61.73	84.66	120.63	148.15
	OUTDOOR ADDITIONAL REFRIGERANT PER FT	OZ/FT	0.16	0.16	0.16	0.16
	OUTDOOR THROTTLE TYPE		EXV+CAPILLARY	EXV	EXV	EXV
	LIQUID SIDE	MM(INCH)	3X6.35MM(3X1/4IN)	4X6.35MM(4X1/4IN)	5X6.35MM(5X1/4IN)	6X6.35MM(6X1/4IN)
	GAS SIDE	MM(INCH)	3X9.52MM(3X3/8IN)	3X9.52MM+1X12.7MM(3X3/8IN+1X1/2IN)	4X9.52MM+1X12.7MM(4X3/8IN+1X1/2IN)	4X9.52MM+2X12.7MM(4X3/8IN+2X1/2IN)
	MAX. LENGTH PER EACH INDOOR UNIT	FT	98.4	114.8	114.8	114.8
	TOTAL MAXIMUM PIPING LENGTH PER SYSTEM	FT	196.8	262.4	262.4	262.4
	MAX. HEIGHT DIFFERENCE	FT	49.2	49.2	49.2	49.2
	INDOOR OPERATING TEMP. RANGE(COOLING)	°F	60-90	60-90	60-90	60-90
	OUTDOOR OPERATING TEMP. RANGE(COOLING)	°F	-13-122	-13-122	-13-122	-13-122
	INDOOR OPERATING TEMP. RANGE(HEATING)	°F	32-86	32-86	32-86	32-86
	OUTDOOR OPERATING TEMP. RANGE(HEATING)	°F	-13-75	-13-75	-13-75	-13-75
	SIZE/WEIGHT	OUTDOOR ITEM NET/GROSS WEIGHT	LB	100.53/109.35	138.89/149.69	168.87/180.12
OUTDOOR UNIT DIMENSION WDXH		INCH	35.04 X 13.46 X 26.50	37.24 X 16.14 X 31.89	37.24 X 16.14 X 31.89	37.48 X 16.34 X 52.48
OUTDOOR PACKAGE DIMENSION WDXH		INCH	40.55 X 17.24 X 29.53	42.91 X 19.68 X 34.84	42.91 X 19.68 X 34.84	43.11 X 19.49 X 58.27
OUTDOOR ELECTRICAL MOTOR	OUTDOOR OUTDOOR FAN MOTOR MODEL		ZKFN-80-10-1L	ZKFN-120-8-9	ZKFN-120-8-9	ZKFN-85-10-1L
	OUTDOOR OUTDOOR FAN MOTOR OUTPUT	W	80	120	120	85
COMPRESSOR	OUTDOOR OUTDOOR FAN MOTOR SPEED(HI/MID/LO)	R/MIN	750/600/500	800/700/650	900/750/600	800/700/650
	OUTDOOR COMPRESSOR TYPE		TWIN-ROTARY	ROTARY	ROTARY	ROTARY
	OUTDOOR COMPRESSOR BRAND		GMCC	GMCC	GMCC	GMCC
	OUTDOOR COMPRESSOR CAPACITY	W	4730	4780/7600	10010	13700
	OUTDOOR COMPRESSOR INPUT POWER	W	1250	805/2045	2765	3700
OUTDOOR COMPRESSOR RATED CURRENT	A	8.1	4.15/9.30	5.4	7	



# MULTI ZONE BLU+ INDOOR WALL MOUNTS

			MIBMHW90D	MIBMHW12D	MIBMHW18D	MIBMHW24D
POWER SUPPLY		V-HZ-PH	9K 208/230V,60HZ,1PH	12K 208/230V,60HZ,1PH	18K 208/230V,60HZ,1PH	24K 208/230V,60HZ,1PH
	VOLTAGE RANGE	V	187-253	187-253	187-253	187-253
NATIONAL CERTIFICATION	COOLING CAPACITY	BTU/H	9000	12000	18000	24000
	COOLING INPUT	W	612	984	1333	1846
	COOLING CURRENT	A	4.6	4.5	6.0	8.0
	SEER2	BTU/H/W	24.6	23.1	24.0	23.5
	EER2	BTU/H/W	14.7	12.2	13.5	13.0
	COOLING CAPACITY RANGE	BTU/H	3100-10900	2600-13700	3600-20000	9700-27000
	COOLING INPUT (RANGE)	W	210 ~ 820	175 ~ 1210	355 ~ 1700	860 ~ 2550
	COOLING CURRENT(RANGE)	A	1.1 ~3.6	1.1 ~5.3	1.6 ~7.5	3.7 ~11.2
	HEATING CAPACITY	BTU/H	10000	12000	18000	25000
	HEATING INPUT	W	800	953	1385	2379
	HEATING CURRENT	A	3.6	4.3	6.2	10.4
	HSPF2-4	BTU/H/W	13.0	11.5	11.1	10.0
	HSPF2-5	BTU/H/W	9.5	8.5	8.3	7.7
	COP	W/W	3.66	3.69	3.81	3.08
	HEATING CAPACITY RANGE	BTU/H	4200-14200	4100-14400	7600-22000	11300-32700
	HEATING INPUT(RANGE)	W	230 ~1240	225 ~1290	410 ~1750	645 ~3320
	HEATING CURRENT(RANGE)	A	1.2 ~5.5	1.2 ~5.7	2.2 ~7.7	3.5 ~14.5
	HEATING(H32) RATED CAPACITY	BTU/H	8600	9600	13000	19500
	HEATING(H32) COP	W/W	2.81	2.84	2.60	2.50
	HEATING(H42) RATED CAPACITY	BTU/H	8200	8600	13000	17800
	HEATING(H42) COP	W/W	2.33	2.35	2.35	2.15
	COOLING AT 109 F (43C) RATED CAPACITY	BTU/H	9300	7900	14500	20700
	COOLING AT 5 F (-15C)	BTU/H	11900	12700	20500	25600
	HEATING AT 17F (-8.33C) RATED CAPACITY	BTU/H	10200	9900	14500	21300
	HEATING(H42) 5F(-15C) RATED CAPACITY	BTU/H	8200	8600	13000	17800
	HEATING AT -4F (-20C) RATED CAPACITY	BTU/H	6500	6700	9700	12300
	HEATING AT -13F (-25C) RATED CAPACITY	BTU/H	5000	5300	7900	11000
	MOISTURE REMOVAL	L/H	0.7	1.3	1.4	2.7
	INDOOR MINIMUM CIRCUIT AMPACITY	A	3.0	3.0	3.0	3.0
	INDOOR MAX.FUSE	A	15	15	15	15
	CONNECTION WIRING		14#X4	14#X4	14#X4	14#X4
	INDOOR INDOOR FAN MOTOR RLA	A	0.5	0.5	0.8	1.3
INDOOR INDOOR AIR FLOW (TURBO/HI/MI/LO/SI)	CFM	382.6 / 294.3 / 194.2 / 153.0 / N/A	382.6 / 294.3 / 194.2 / 153.0 / /	759.3 / 500.3 / 441.4 / 370.8 / /	759.3 / 588.6 / 459.1 / 382.6 / /	
INDOOR NOISE LEVEL (TURBO/HI/MI/LO/SI)	DB(A)	45.5/42/36/21/19.5	46/43/37/20/19	54/45/40.0/26/20	54.0/48.5/43.5/27.5/20.5	
BASIC PARAMETER(NC)	N.A. DESIGN PRESSURE	PSI	550 / 340	550 / 340	550 / 340	550 / 340
	OUTDOOR REFRIGERANT TYPE		R454B	R454B	R454B	R454B
	OUTDOOR REFRIGERANT CHARGE	OZ	32.45	32.45	47.97	70.55
	OUTDOOR ADDITIONAL CHARGE PER FEET	OZ/FT	0.16	0.16	0.16	0.32
	OUTDOOR THROTTLE TYPE		EXV	EXV	EXV+THROTTLE VALVE	EXV+THROTTLE VALVE
	LIQUID SIDE	MM(INCH)	6.35MM(1/4IN)	6.35MM(1/4IN)	6.35MM(1/4IN)	9.52MM(3/8IN)
	GAS SIDE	MM(INCH)	9.52MM(3/8IN)	9.52MM(3/8IN)	12.7MM(1/2IN)	15.9MM(5/8IN)
	MAX. PIPING LENGTH	FT	82.00	82.00	98.40	164.00
	MAX. HEIGHT DIFFERENCE	FT	49.20	49.20	65.60	82.00
	INDOOR OPERATING TEMP. RANGE(COOLING)	°F	60-90	60-90	60-90	60-90
	INDOOR OPERATING TEMP. RANGE(HEATING)	°F	32-86	32-86	32-86	32-86
	SIZE/WEIGHT	INDOOR ITEM NET/GROSS WEIGHT	LB	18.96/24.25	18.96/24.25	30.42/39.68
INDOOR UNIT DIMENSION WDXH		INCH	31.57 X 7.87 X 11.61	31.57 X 7.87 X 11.61	42.60 X 9.21 X 13.27	42.60 X 9.21 X 13.27
INDOOR PACKAGE DIMENSION WDXXH		INCH	34.45 X 11.22 X 14.96	34.45 X 11.22 X 14.96	45.47 X 16.34 X 12.40	45.47 X 16.34 X 12.40



# MULTI ZONE BLU+ INDOOR CASSETTE

			MIBMHC90D	MIBMHC12D	MIBMHC18D	
POWER SUPPLY		V-HZ-PH	9K 208/230V,60HZ,1PH	12K 208/230V,60HZ,1PH	18K 208/230V,60HZ,1PH	
	VOLTAGE RANGE	V	187-253	187-253	187-253	
NATIONAL CERTIFICATION	COOLING CAPACITY	BTU/H	9000	12000	16800	
	COOLING INPUT	W	629	968	1344	
	COOLING CURRENT	A	4.5	4.3	6.1	
	SEER2	BTU/H/W	21.6	21.1	20.7	
	EER2	BTU/H/W	14.3	12.5	12.5	
	COOLING CAPACITY RANGE	BTU/H	3700-12000	3700-14000	5300-17800	
	COOLING INPUT (RANGE)	W	220 ~ 1010	220 ~ 1160	490 ~ 1620	
	COOLING CURRENT(RANGE)	A	1.6 ~4.4	1.8 ~5.1	2.2 ~7.1	
	HEATING CAPACITY	BTU/H	10000	12000	18000	
	HEATING INPUT	W	733	991	1570	
	HEATING CURRENT	A	3.3	4.3	7.2	
	HSPF2-4	BTU/H/W	11.3	10.4	11.4	
	HSPF2-5	BTU/H/W	8.8	7.9	8.5	
	COP	W/W	4.00	3.55	3.36	
	COOLING AT 109 F (43 ) RATED CAPACITY	BTU/H	11700	11700	13400	
	COOLING AT 5 F (-15 )	BTU/H	12700	13400	17500	
	HEATING AT 17F (-8.33 ) RATED CAPACITY	BTU/H	9300	9300	14800	
	HEATING AT 5F(-15 ) RATED CAPACITY	BTU/H	8300	8400	12800	
	HEATING AT -4F (-20 ) RATED CAPACITY	BTU/H	6100	6700	10600	
	HEATING AT -13F (-25 ) RATED CAPACITY	BTU/H	4900	5300	8300	
	INDOOR MINIMUM CIRCUIT AMPACITY	A	3.00	3.00	3.00	
	INDOOR MAX.FUSE	A	15	15	15	
	OUTDOOR MINIMUM CIRCUIT AMPACITY	A	12.00	12.00	18.00	
	OUTDOOR MAX.FUSE	A	15	15	20	
	CONNECTION WIRING		14#X4	14#X4	14#X4	
	INDOOR INDOOR FAN MOTOR RLA	A	0.9	0.9	1.0	
	OUTDOOR OUTDOOR FAN MOTOR RLA	A	0.6	0.6	0.9	
	OUTDOOR COMPRESSOR RATED CURRENT(RLA)	A	7.3	7.3	10.0	
	INDOOR INDOOR AIR FLOW (TURBO/HI/MI/LO/SI)	CFM	4179 / 364.9 / 306.1 / 194.2 / 147.2	4179 / 364.9 / 306.1 / 194.2 / 147.2	4473 / 388.5 / 317.8 / 194.2 / 147.2	
	INDOOR NOISE LEVEL (TURBO/HI/MI/LO/SI)	DB(A)	42.5/40/37.0/26.0/24.0	46/42.0/38.5/26.5/24.0	48/44.0/41.0/28.5/24.5	
	OUTDOOR OUTDOOR AIR FLOW(CFM)	CFM	1236.1	1236.1	1765.8	
	OUTDOOR NOISE LEVEL (HI)	DB(A)	54.5	54.5	57.5	
N.A. DESIGN PRESSURE	PSI	550 / 340	550 / 340	550 / 340		
BASIC PARAMETER(NC)	OUTDOOR REFRIGERANT TYPE		R454B	R454B	R454B	
	OUTDOOR REFRIGERANT CHARGE	OZ	32.45	32.45	47.97	
	OUTDOOR ADDITIONAL CHARGE	OZ/FT	0.16	0.16	0.16	
	OUTDOOR THROTTLE TYPE		EXV	EXV	EXV+THROTTLE VALVE	
	LIQUID SIDE	MM(INCH)	6.35MM(1/4IN)	6.35MM(1/4IN)	6.35MM(1/4IN)	
	GAS SIDE	MM(INCH)	9.52MM(3/8IN)	9.52MM(3/8IN)	12.7MM(1/2IN)	
	MAX. PIPING LENGTH	FT	82.00	82.00	98.40	
	MAX. HEIGHT DIFFERENCE		49.20	49.20	65.60	
	INDOOR OPERATING TEMP. RANGE(COOLING)	*F	60~90	60~90	60~90	
	OUTDOOR OPERATING TEMP. RANGE(COOLING)	*F	-13-122	-13-122	-13-122	
	INDOOR OPERATING TEMP. RANGE(HEATING)	*F	32-86	32-86	32-86	
	OUTDOOR OPERATING TEMP. RANGE(HEATING)	*F	-13-75	-13-75	-13-75	
	SIZE/WEIGHT	INDOOR ITEM NET/GROSS WEIGHT	LB	35.27/41.89	35.27/41.89	35.27/41.89
		INDOOR UNIT DIMENSION WXDXH	INCH	22.44 X 22.44 X 9.65	22.44 X 22.44 X 9.65	22.44 X 22.44 X 9.65
INDOOR PACKAGE DIMENSION WDXDH		INCH	28.15 X 25.20 X 11.61	28.15 X 25.20 X 11.61	28.15 X 25.20 X 11.61	
OUTDOOR ITEM NET/GROSS WEIGHT		LB	62.17/67.68	62.17/67.68	92.59/100.31	
OUTDOOR UNIT DIMENSION WXDZH		INCH	30.12 X 11.93 X 21.85	30.12 X 11.93 X 21.85	35.04 X 13.46 X 26.50	
OUTDOOR PACKAGE DIMENSION WDXDH	INCH	34.92 X 13.27 X 24.02	34.92 X 13.27 X 24.02	39.17 X 15.67 X 29.13		



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NO. 250



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