



## ***MATTICKS INDUSTRIES, INC.***

### **KOOLGUARD**

### **WALL MOUNT AIR CONDITIONING**

**( COOLING w/ELECTRIC HEAT ) R-410A**

**GENERAL PURPOSE INTERIOR \**

**CLASS 1, GROUP BCD, DIVISION 2 EXTERIOR**



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...230 Volt 1Ph , 230 Volt 3Ph, 460 Volt 3Ph @ 60Hz

#### Features:

...Heavy duty ultra-quiet operation for versatile applications such as new construction, modular analyzer shelters, control rooms, electronic equipment shelters, battery rooms, chemical storage containers, and many other hazardous locations that require environmental control.

...Aluminum finned copper coils: Grooved tubing and enhanced louvered fin for maximum heat transfer and energy efficiency.

...Twin indoor blowers: Move air quietly. Single speed blower motor provides maximum room circulation and low static operation.

...Compressors: Reciprocating compression designed to withstand higher compressor ratios. Scroll compressors for increased efficiency, quieter operation and reliability on 4 and 5 ton models.

...Electrical components: Electrical components are enclosed in approved explosion proof enclosures within the unit and are easily accessible for routine inspection and maintenance.

Dust Filters: One inch disposable air filters are standard with the return air filter grill and are replaceable from the room side.

...Electrical heat strips: Low watt density, stainless steel finned strip elements furnished on Electric Heat Models, with automatic high limit thermal cut-off safety control. Heaters are also shut off on blower failure. Both these shut down features require manual reset before restarting.

...Fresh Air make up: Barometric fresh air dampers are standard on all units, allowing up to 25% outside fresh air where needed. Where closed loop circulation is required this damper is permanently closed. Fresh air from a safe location above the roof line is furnished using a volume controlled filter plenum and stack. Also offered is our stack support designed for stacks up to 25' above grade without the use of guy wires.

...Full length mounting brackets: For improved appearance and easy installation. Note: Bottom mounting bracket included to assist in installation.

...Cabinet finish with baked on beige enamel, which allows it to withstand 1000 hours of salt spray

...Unit panel controls can be removed from the return grill and located away from the air flow

...Rain Flashing supplied with each unit

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#### Options:

...Polyurethane enamel corrosion protected hermetic system, includes evaporator coil, condenser coil, compressor, and all connecting tube

...Polyurethane enamel coating of entire unit. Custom colors available

...Fresh Air Plenum and Stack with Rain Cap

...Loss of flow Alarm Contacts

...Low Ambient Control

...Stainless Steel Housing

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#### Electric Heat Models :

18,000/11700 BTU to 58,000/18800 BTU @ 230/208 Volt 1Ph 60Hz

24,000/14000 BTU to 70,000/18800 BTU @ 230/208 Volt 3Ph 60Hz

31,000/15600 BTU to 68,000/18800 BTU @ 460 Volt 3Ph 60Hz

## SPECIFICATIONS - 230/208 Volt 1Ph UNITS

MODEL	COOLING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	A/C UNIT ELECTRICAL RATINGS				WEIGHT NET
			VOLTS	AMPS COOLING	AMPS HEATING	CIRCUIT RATING	
MBE12184A05-BCD-GP	18,300	17,000	230/208	11.7/12.4	20.8/18.0	30A	406
MBE12184A08-BCD-GP	18,300	27,300	230/208	11.7/12.4	33.3/28.8	50A	406
MBE12184A10-BCD-GP	18,300	34,100	230/208	11.7/12.4	41.7/36.1	60A	406
MBE12244A05-BCD-GP	24,000	17,000	230/208	16.2/17.6	20.8/18.0	30A	406
MBE12244A08-BCD-GP	24,000	27,300	230/208	16.2/17.6	33.3/28.8	50A	406
MBE12244A10-BCD-GP	24,000	34,100	230/208	16.2/17.6	41.7/36.1	60A	406
MBE12314A05-BCD-GP	29,600	17,000	230/208	18.4/20.0	20.8/18.0	35A	461
MBE12314A08-BCD-GP	29,600	27,300	230/208	18.4/20.0	33.3/28.8	50A	461
MBE12314A10-BCD-GP	29,600	34,100	230/208	18.4/20.0	41.7/36.1	60A	461
MBE12314A15-BCD-GP	29,600	51,100	230/208	18.4/20.0	62.5/54.1	90A	461
MBE12364A05-BCD-GP	35,400	17,000	230/208	22.6/24.4	20.8/18.0	35A	461
MBE12364A08BCD--GP	35,400	27,300	230/208	22.6/24.4	33.3/28.8	50A	461
MBE12364A10-BCD-GP	35,400	34,100	230/208	22.6/24.4	41.7/36.1	60A	606
MBE12364A15-BCD-GP	35,400	51,100	230/208	22.6/24.4	62.5/54.1	90A	606
MBE12434A05-BCD-GP	43,000	17,000	230/208	25.5/27.7	20.8/18.0	50A	606
MBE12434A10-BCD-GP	43,000	34,100	230/208	25.5/27.7	41.7/36.1	60A	606
MBE12434A15-BCD-GP	43,000	51,100	230/208	25.5/27.7	62.5/54.1	90A	606
MBE12474A05-BCD-GP	47,000	17,000	230/208	28.8/30.7	20.8/18.0	50A	606
MBE12474A10-BCD-GP	47,000	34,100	230/208	28.8/30.7	41.7/36.1	60A	606
MBE12474A15-BCD-GP	47,000	51,100	230/208	28.8/30.7	62.5/54.1	90A	606
MBE12574A05-BCD-GP	57,000	17,000	230/208	31.4/31.3	20.8/18.0	60A	626
MBE12574A10-BCD-GP	57,000	34,100	230/208	31.4/31.3	41.7/36.1	60A	626
MBE12574A15-BCD-GP	57,000	51,100	230/208	31.4/31.3	62.5/54.1	90A	626

## SPECIFICATIONS - 230/208 Volt 3Ph UNITS

MODEL	COOLING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	A/C UNIT ELECTRICAL RATINGS				WEIGHT NET
			VOLTS	AMPS COOLING	AMPS HEATING	CIRCUIT RATING	
MBE2244B06-BCD-GP	24,000	20,400	230/208	16.2/17.6	18.0/19.8	20A	406
MBE2314B06-BCD-GP	29,600	20,400	230/208	18.4/20.0	18.0/19.8	25A	461
MBE2314B09-BCD-GP	29,600	30,700	230/208	18.4/20.0	26.0/28.5	35A	461
MBE2314B15-BCD-GP	29,600	51,200	230/208	18.4/20.0	41.0/45.5	60A	461
MBE2364B06-BCD-GP	35,400	20,400	230/208	22.6/24.4	18.0/19.8	30A	461
MBE2364B09-BCD-GP	35,400	30,700	230/208	22.6/24.4	26.0/28.5	35A	461
MBE2364B15-BCD-GP	35,400	51,200	230/208	22.6/24.4	41.0/45.5	60A	461
MBE2434B09-BCD-GP	43,000	30,700	230/208	25.5/27.7	25.0/28.0	35A	606
MBE2434B15-BCD-GP	43,000	51,200	230/208	25.5/27.7	42.5/47.0	60A	606
MBE2434B18-BCD-GP	43,000	61,400	230/208	25.5/27.7	50.0/55.5	70A	606
MBE2474B09-BCD-GP	47,000	30,700	230/208	28.8/30.7	25.0/28.0	40A	606
MBE2474B15-BCD-GP	47,000	51,200	230/208	28.8/30.7	42.5/47.0	60A	606
MBE2474B18-BCD-GP	47,000	61,400	230/208	28.8/30.7	50.0/55.5	70A	606
MBE2574B09-BCD-GP	57,000	30,700	230/208	31.4/31.3	27.5/30.5	400A	606
MBE2574B15-BCD-GP	57,000	51,200	230/208	31.4/31.3	42.5/47.0	60A	606
MBE2574B18-BCD-GP	57,000	61,400	230/208	31.4/31.3	50.0/55.5	70A	606
MBE2694B09-BCD-GP	69,000	30,700	230/208	33.3/36.9	30.0/33.0	45A	626
MBE2694B15-BCD-GP	69,000	51,200	230/208	33.3/36.9	45.3/49.8	60A	626
MBE2694B18-BCD-GP	69,000	61,400	230/208	33.3/36.9	52.8/58.2	70A	626

## SPECIFICATIONS - 460 Volt 3Ph UNITS

MODEL	COOLING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	A/C UNIT ELECTRICAL RATINGS				WEIGHT NET
			VOLTS	AMPS COOLING	AMPS HEATING	CIRCUIT RATING	
MBE2314C06-BCD-GP	29,600	20,500	460	10.8	15.0	20A	461
MBE2314C09-BCD-GP	29,600	30,700	460	10.8	19.0	30A	461
MBE2314C15-BCD-GP	29,600	51,200	460	10.8	25.9	35A	461
MBE2364C06-BCD-GP	35,400	20,500	460	11.5	15.0	20A	461
MBE2364C09-BCD-GP	35,400	30,700	460	11.5	18.5	30A	461
MBE2364C15-BCD-GP	35,400	51,200	460	11.5	22.0	35A	461
MBE2434C09-BCD-GP	43,000	30,700	460	12.3	19.0	30A	606
MBE2434C15-BCD-GP	43,000	51,200	460	12.3	23.0	35A	606
MBE2474C09-BCD-GP	47,000	30,700	460	9.9	15.0	20A	606
MBE2474C15-BCD-GP	47,000	51,200	460	9.9	23.0	25A	606
MBE2574C09-BCD-GP	57,000	30,700	460	10.1	19.2	30A	606
MBE2574C15-BCD-GP	57,000	51,200	460	10.1	25.0	35A	606
MBE2694C09-BCD-GP	69,000	30,700	460	20.1	19.3	30A	626
MBE2694C15-BCD-GP	69,000	51,200	460	20.1	25.7	35A	626

## DEMINSIONAL SPECIFICATIONS

MODEL	LENGTH	HEIGHT	DEPTH	SUPPLY AIR OPENING	RETURN AIR OPENING
18,000 - 24,000 BTU	33.3"	70.56"	17.125"	19.88" x 7.88"	19.88" x 11.88"
30,000 - 36,000 BTU	38.2"	70.56"	17.125"	27.88" x 7.88"	27.88" x 13.88"
43,000 - 57,500 BTU	42.07"	84.87"	22.43"	29.88" x 9.88"	29.88" x 15.88"
69,500 BTU	42.0"	94.87"	42.0"	29.88" x 9.88"	29.88" x 15.88"

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