



MATTICKS INDUSTRIES, INC.



KOOLGUARD

WALL MOUNT AIR CONDITIONING

(HEATPUMP)

**GENERAL PURPOSE INTERIOR **

CLASS 1, GROUP BCD, DIVISION 2 EXTERIOR



...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.

...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.

SPECIFICATIONS - 230/208 Volt 3Ph UNITS

| MODEL | COOL/HEAT BTU/HR | | ELECTRICAL CHARACTERISTICS | | | CIRCUIT RATING | EER | AIR MOVING CAPACITY | WEIGHT NET |
|----------------|---------------------|-------|-------------------------------|-----------|-----------|-------------------|------|---------------------------|---------------|
| | COOL | HEAT | VOLTS/PH | AMPS | WATTS | | | | |
| MBY223B-BCD-GP | 23600 | 23200 | 230/208/3 | 9.1/9.8 | 3620/3520 | 20A | 10.5 | 905 CFM | 398 |
| MBY230B-BCD-GP | 30000 | 28000 | 230/208/3 | 11.8/12.4 | 4690/4460 | 20A | 10 | 1270 CFM | 463 |
| MBY235B-BCD-GP | 35600 | 34400 | 230/208/3 | 13.5/14.2 | 5370/5100 | 35A | 10 | 1270 CFM | 478 |
| MBY241B-BCD-GP | 41500 | 41000 | 230/208/3 | 18.0/18.9 | 7160/6800 | 35A | 10 | 1665 CFM | 608 |
| MBY247B-BCD-GP | 47000 | 46000 | 230/208/3 | 19.3/20.5 | 7670/7370 | 40A | 10.5 | 1665 CFM | 608 |
| MBY256B-BCD-GP | 56500 | 58000 | 230/208/3 | 22.3/25.9 | 8870/9310 | 50A | 10.2 | 1900 CFM | 608 |
| | | | | | | | | | |

SPECIFICATIONS - 460 Volt 3Ph UNITS

| MODEL | COOL/HEAT BTU/HR | | ELECTRICAL CHARACTERISTICS | | | CIRCUIT RATING | EER | AIR MOVING CAPACITY | WEIGHT NET |
|----------------|---------------------|-------|-------------------------------|------|-------|-------------------|------|---------------------------|---------------|
| | COOL | HEAT | VOLTS/PH | AMPS | WATTS | | | | |
| MBY223C-BCD-GP | 23600 | 23200 | 460/3 | 6.4 | 5090 | 10A | 10.5 | 905 CFM | 398 |
| MBY230C-BCD-GP | 30000 | 28000 | 460/3 | 7.3 | 5800 | 10A | 10 | 1270 CFM | 463 |
| MBY235C-BCD-GP | 35600 | 34400 | 460/3 | 7.7 | 6120 | 15A | 10 | 1270 CFM | 478 |
| MBY241C-BCD-GP | 41500 | 41000 | 460/3 | 9.4 | 7480 | 15A | 10 | 1665 CFM | 608 |
| MBY247C-BCD-GP | 47000 | 46000 | 460/3 | 10.4 | 8270 | 20A | 10.5 | 1665 CFM | 608 |
| MBY256C-BCD-GP | 56500 | 58000 | 460/3 | 11.9 | 9470 | 20A | 10.2 | 1900 CFM | 608 |
| | | | | | | | | | |

DEMINSIONAL SPECIFICATIONS

| MODEL | LENGTH | HEIGHT | DEPTH | SUPPLY AIR OPENING | RETURN AIR OPENING |
|---------------------|---------|---------|---------|-----------------------|-----------------------|
| 18,000 - 23,000 BTU | 34 7/8" | 70 1/2" | 16 7/8" | 19 7/8" x 7 7/8" | 19 7/8" x 11 7/8" |
| 30,000 - 36,000 BTU | 39 7/8" | 70 1/2" | 16 7/8" | 27 7/8" x 7 7/8" | 27 7/8" x 13 7/8" |
| 43,000 - 57,500 BTU | 43 7/8" | 84 7/8" | 22 1/2" | 29 7/8" x 9 7/8" | 29 7/8" x 15 7/8" |
| 67,000 - 69,500 BTU | 43 7/8" | 94 7/8" | 22 1/4" | 29 7/8" x 9 7/8" | 29 7/8" x 15 7/8" |
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