



MATTICKS INDUSTRIES, INC.

KOOLGUARD

WALL MOUNT AIR CONDITIONING

(HEATPUMP) R-410A

**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				
MBY2234B-BCD-GP	23400	24000	230/208/3	13.5/15.1	3105/3140	20A	9.0	905 CFM	398
MBY2304B-BCD-GP	29800	29000	230/208/3	14.7/15.4	3381/3203	25A	9.2	1270 CFM	463
MBY2354B-BCD-GP	34600	35000	230/208/3	17.6/18.8	4048/3910	30A	9.0	1270 CFM	478
MBY2414B-BCD-GP	42000	42000	230/208/3	20.4/22.3	4692/4638	35A	9.0	1665 CFM	608
MBY2474B-BCD-GP	46000	44000	230/208/3	22.4/23.5	5152/4888	35A	9.0	1665 CFM	608
MBY2564B-BCD-GP	54000	54000	230/208/3	21.6/23.9	4968/4971	40A	9.0	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				
MBY2234C-BCD-GP	23400	24000	460/3	11.6	5336	15A	9.0	905 CFM	398
MBY2304C-BCD-GP	30000	28000	460/3	11.0	5060	15A	9.2	1270 CFM	463
MBY2354C-BCD-GP	35600	34400	460/3	11.0	5060	15A	9.0	1270 CFM	478
MBY2414C-BCD-GP	41500	41000	460/3	12.3	5658	15A	9.0	1665 CFM	608
MBY2474C-BCD-GP	47000	46000	460/3	12.8	5888	20A	9.0	1665 CFM	608
MBY2564C-BCD-GP	56500	58000	460/3	13.8	6348	20A	9.0	1900 CFM	608

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"

**MATTICKS INDUSTRIES, INC. / 11232 BRITTMOORE PARK DR.
HOUSTON, TX 77041 / P: 832-243-0662 F: 832-243-0660
www.matticks.com**