



Basefit Series 7.5-12.5 Tons Rooftop Package (Cooling & Gas)

575V, 3Ph, 60Hz

Model:

MRB-075S225GWN10-Y MRB-100S250GWN10-Y MRB-125S250GWN10-Y

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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

Submittal Data Sheet

Basefit Series

Rooftop Package

Capacity: 7.5-12.5 Ton



Unit Performance and Data:

Model	MRB-075S225GWN10-Y	MRB-100S250GWN10-Y
Tons	7.5	10
POWER SUPPLY	575V,60Hz,3Ph	575V,60Hz,3Ph
NOMINAL CAPACITY		
Cooling Rated Capacity (BTU/h)	90,000	114,000
Rated EER (Btu/h.W)	11.6	11.2
INDOOR AIR FLOW		
ESP (Pa)	0 -250	0 -250
Air Volume (CFM)	3,000	3,600
SOUND LEVEL dB(A)	84	84
REFRIGERANT		
Type	R454B	R454B
Volume (lbs-oz)	3.75 + 3.09	5.07 + 4.41
Volume (kg)	1.7 + 1.4	2.3 + 2.0
COMPRESSOR		
Type	Scroll	Scroll
Quantity	2	2
Operation Ambient Temperature		
°F	0~125.6	0~125.6
°C	-17.8~52	-17.8~52
INDOOR COIL		
Type	Microchannel	Microchannel
INDOOR FAN		
Type	Centrifugal	Centrifugal
Motor type	PSC	PSC
Drive type	Belt	Belt
Quantify	1	1
OUTDOOR COIL		
Type	Microchannel	Microchannel
OUTDOOR FAN		
Type	Axial	Axial
Motor type	DC	DC
Drive type	Direct	Direct
Quantify	2	2
WEIGHT		
Net(kg)	487.5	519.5
Net(lbs)	1074	1145
Gross(kg)	515.5	547.5
Gross(lbs)	1136	1207
SHIPPING PER STD 40HQ	14	14

Features:

- Ambient temp range 0~125°F.
- Eco-friendly R454B refrigerant with low GWP value.
- DC outdoor fan motor design, maintaining head pressure, improving system reliability, especially in low ambient conditions.
- Curb fit: Designed as a direct replacement utilizing the same footprint as competitors
- Interchangeable side and bottom discharge for flexible installation.
- The compressor, control box, and motor can be maintained on the same side of the unit. Flip-over design control box for easy maintenance
- All units equipped with refrigerant filter drier, effectively isolating moisture and impurities in the refrigerant system.

Submittal Data Sheet

Basefit Series

Rooftop Package

Capacity: 7.5-12.5 Ton



Model	MRB-125S250GWN10-Y
Tons	12.5
POWER SUPPLY	575V,60Hz,3Ph
NOMINAL CAPACITY	
Cooling Rated Capacity (BTU/h)	140,000
Rated EER (Btu/h.W)	11
INDOOR AIR FLOW	
ESP (Pa)	0 -250
Air Volume (CFM)	4,000
SOUND LEVEL	dB(A)
	89
REFRIGERANT	
Type	R454B
Volume (lbs-oz)	6.83 + 5.51
Volume (kg)	3.1 + 2.5
COMPRESSOR	
Type	Scroll
Quantity	2
Operation Ambient Temperature	
°F	0~125.6
°C	-17.8~52
INDOOR COIL	
Type	Microchannel
INDOOR FAN	
Type	Centrifugal
Motor type	PSC
Drive type	Belt
Quantify	1
OUTDOOR COIL	
Type	Microchannel
OUTDOOR FAN	
Type	Axial
Motor type	DC
Drive type	Direct
Quantify	2
WEIGHT	
Net(kg)	560.5
Net(lbs)	1235
Gross(kg)	588.5
Gross(lbs)	1297
SHIPPING PER STD 40HQ	14

Submittal Data Sheet

Basefit Series

Rooftop Package

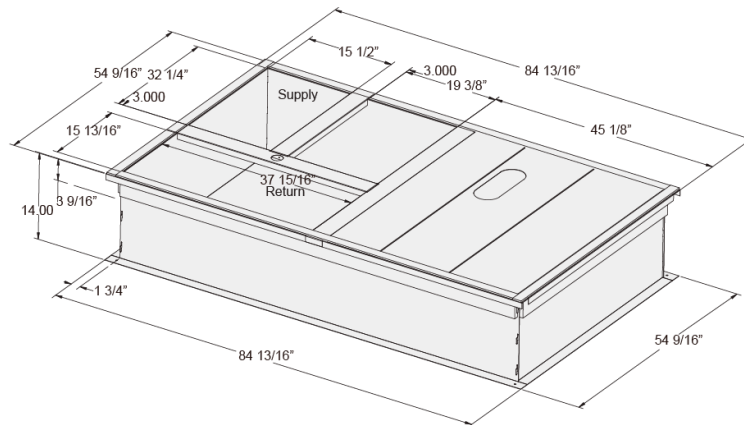
Capacity: 7.5-12.5 Ton



Dimensions:

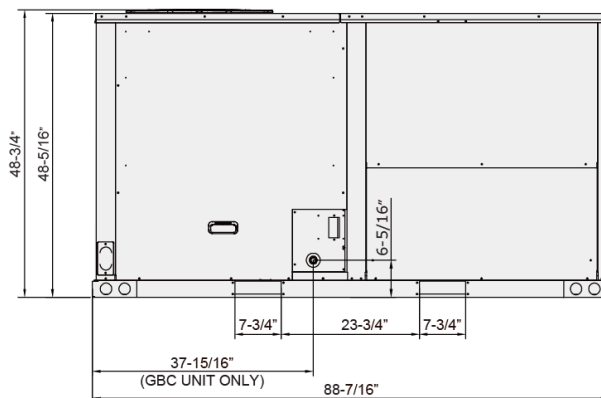
Unit: in.

Roof curb

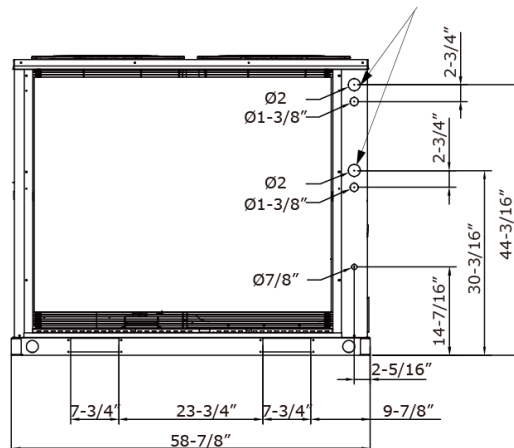


Note: The roof curb is not supplied by Midea.

Front and side views



POWER CONNECTION HOLE



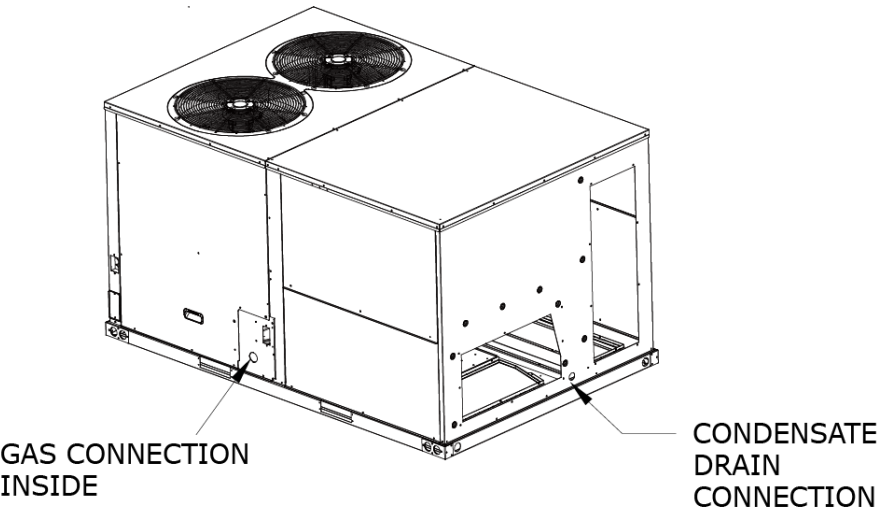
Submittal Data Sheet

Basefit Series
Rooftop Package
Capacity: 7.5-12.5 Ton



Overview

Gas/electric units—overview

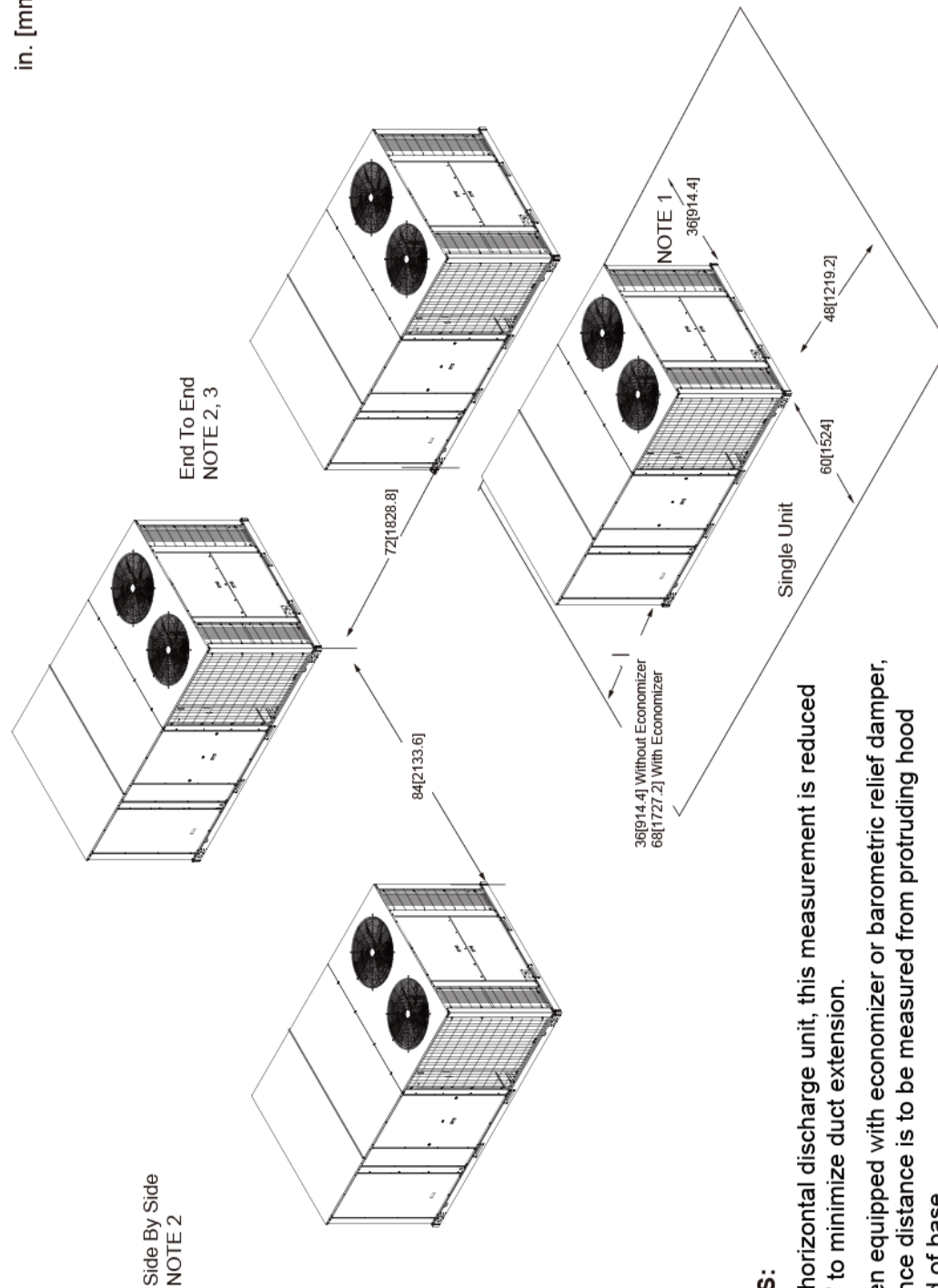


Model Size	Unit Width "W" in. [mm]	Unit Height "H" in. [mm]	Unit Length "D" in. [mm]
75/100/125	88-7/16 [2250]	48-3/4 [1240]	58-7/8 [1500]

Installation Space Requirements:

7.5-12.5Ton

in. [mm]



NOTES:

1. For horizontal discharge unit, this measurement is reduced to 1' 6" to minimize duct extension.
2. When equipped with economizer or barometric relief damper, clearance distance is to be measured from protruding hood instead of base.
3. Clearance is the same if any unit is rotated 180°.
4. Additional clearance required when barometric damper or economizer is installed.
5. A 10' ft. clearance from exhaust outlets for applications using fresh air or economizers should be observed.

Submittal Data Sheet

Basefit Series
Rooftop Package
Capacity: 7.5-12.5 Ton



Gas Heat Data:

Nominal Ton		(Ton)	7.5	10	12.5
Gas Heat Option	Heating Input	High MBh ^(a)	225/157.5	250/200	250/200
	Heating Output	High MBh ^(a)	180/125	200/160	200/160
	Air Temp Rise	High	25-70	30-65	25-65

(a)For two stage heaters (input or output), second stage is total heating capacity. Second stage/first stage