



## Profit Series Rooftop Package

**460V, 3Ph, 60Hz**

**Model: MRB-200CWD1N1-Z(B) MRB-250CWD1N1-Z(B)**

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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

Profit Series

Rooftop Package

Capacity: 20&25 Ton



### Unit Performance and Data:

| Model                              | MRB-200CWD1N1-Z(B) | MRB-250CWD1N1-Z(B) |
|------------------------------------|--------------------|--------------------|
| Power supply                       | 460V 3~ 60Hz       | 460V 3~ 60Hz       |
| <b>NOMINAL CAPACITY</b>            |                    |                    |
| Cooling Rated Capacity (BTU/h)     | 245000             | 282000             |
| Rated EER (Btu/h.W)                | 10                 | 10                 |
| IEER (Btu/h.W)                     | 18.3               | 18.3               |
| <b>INDOOR AIR FLOW</b>             |                    |                    |
| ESP (in.wg)                        | 0 ~ 1.4            | 0 ~ 1.4            |
| Air Volume (CFM)                   | 8800               | 9700               |
| <b>SOUND LEVEL</b> (dB(A))         | 82                 | 82                 |
| <b>REFRIGERANT</b>                 |                    |                    |
| Type                               | R410A              | R410A              |
| Volume (lbs-oz)                    | 20-15 + 20-15      | 20-15 + 20-15      |
| Volume (kg)                        | 9.5+9.5            | 9.5+9.5            |
| <b>THROTTLE TYPE</b>               | EEV                | EEV                |
| <b>DESIGN PRESSURE</b> (MPa)       | 4.2 Max            | 4.2 Max            |
| <b>CONSTRUCTION PANEL MATERIAL</b> | Galvanized sheet   | Galvanized sheet   |
| <b>COMPRESSOR</b>                  |                    |                    |
| Type                               | Scroll             | Scroll             |
| <b>INDOOR FAN MOTOR</b>            |                    |                    |
| Motor Type                         | DC/Direct drive    | DC/Direct drive    |
| RPM                                | 1680               | 1680               |
| <b>INDOOR FAN</b>                  |                    |                    |
| Type                               | Centrifugal fan    | Centrifugal fan    |
| <b>INDOOR COIL</b>                 |                    |                    |
| Number of rows                     | 3                  | 3                  |
| Fin type                           | AL                 | AL                 |
| <b>OUTDOOR FAN</b>                 |                    |                    |
| Motor Type                         | DC/Direct drive    | DC/Direct drive    |
| RPM                                | 920                | 920                |

### Features:

- Wide application range
- Enhanced comfort
- High efficiency & Cost savings
- Engineered for Dependable Performance
- Easy installation
- Smart and Simple Maintenance

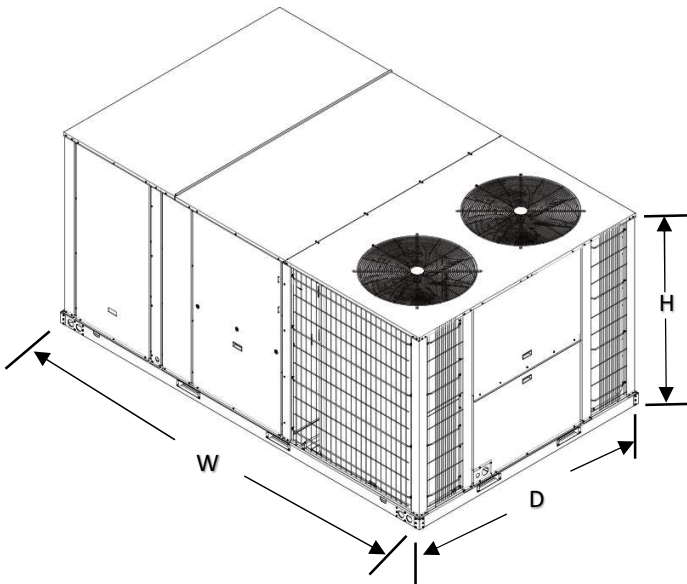
Submittal Data Sheet

Profit Series  
Rooftop Package  
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Dimensions:

(Unit: in(mm))



| Model Size | Unit Width<br>"W" in. [mm] | Unit Height<br>"H" in. [mm] | Unit Length<br>"L" in. [mm] |
|------------|----------------------------|-----------------------------|-----------------------------|
| 200        | 141-3/4 [3600]             | 65-11/16 [1668]             | 86-5/8 [2200]               |
| 250        | 141-3/4 [3600]             | 65-11/16 [1668]             | 86-5/8 [2200]               |

## Submittal Data Sheet

Profit Series

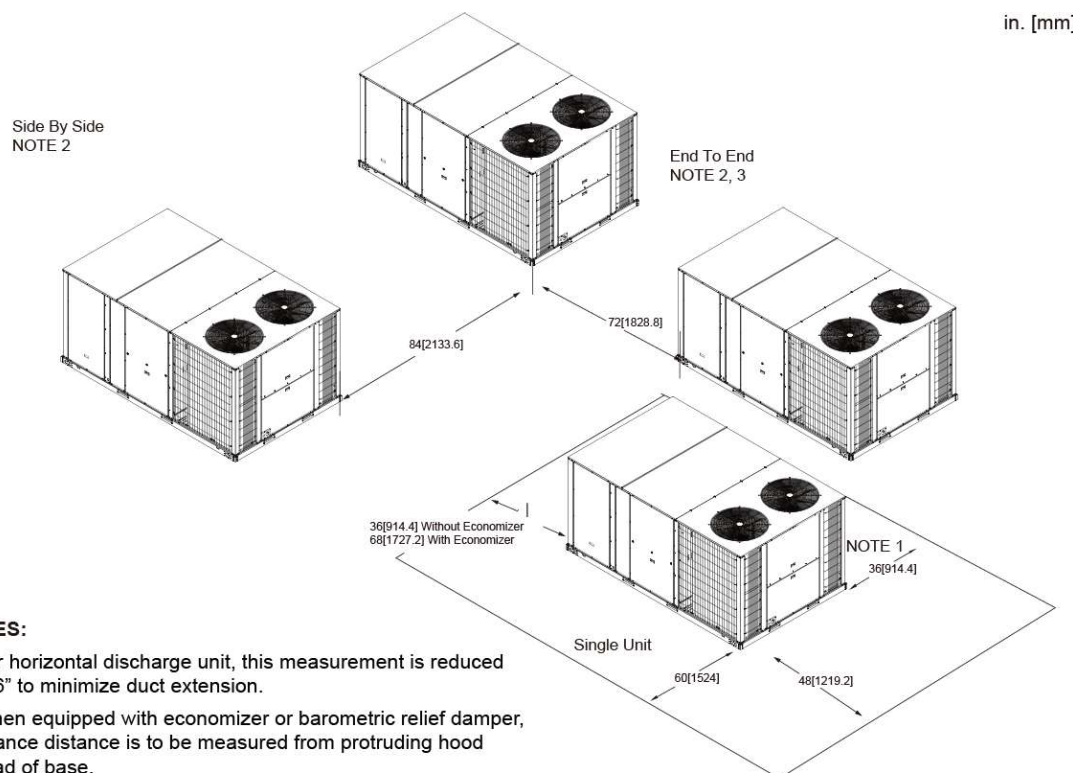
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## Installation Space Requirements:

### Unit Clearance



#### 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.