

# Installation and Maintenance Manual

# IM 1236

Group: **Applied Air Systems**

Part Number: **IM 1236**

Date: **September 2015**

## Maverick® II Commercial Packaged Rooftop System

### Power Exhaust Relocation

The purpose of this manual is to provide guidance in relocating factory installed power exhaust into return ductwork in end return air units.

#### **WARNING**

Moving machinery hazard. Can cause severe injury or death. Before servicing equipment, disconnect power and lockoff. More than one disconnect may be required to de-energize unit.

#### **CAUTION**

Sharp edges on sheet metal and fasteners can cause personal injury. This equipment must be installed, operated, and serviced only by an experienced installation company and fully trained personnel.

#### **WARNING**

**Hazardous voltage. Can cause severe injury or death.** Disconnect electric power before servicing equipment. More than one disconnect may be required to de-energize the unit.

#### **CAUTION**

Provide proper line voltage and phase balance. Improper line voltage or excessive phase imbalance constitutes product abuse. It can cause severe damage to the unit's electrical components.

### Introduction

The exhaust components take up an area on the return ductwork as shown in [Figure 1](#). When removed the return ductwork will connect to this location. There will be a 1" flange around the perimeter for the ductwork connection.

The electrical power wires for the exhaust fans will have to be extended per local electrical codes.

### Removing the Exhaust Hood

Refer to [Figure 3](#) for reference.

1. Remove the top of the exhaust hood, H150.
2. Remove exhaust fans, H260, H270, & H280 as applicable.
3. Remove the two sides, H160 & H170.
4. Remove the support channels H186, H185 and H187.

### Removing the barometric relief dampers

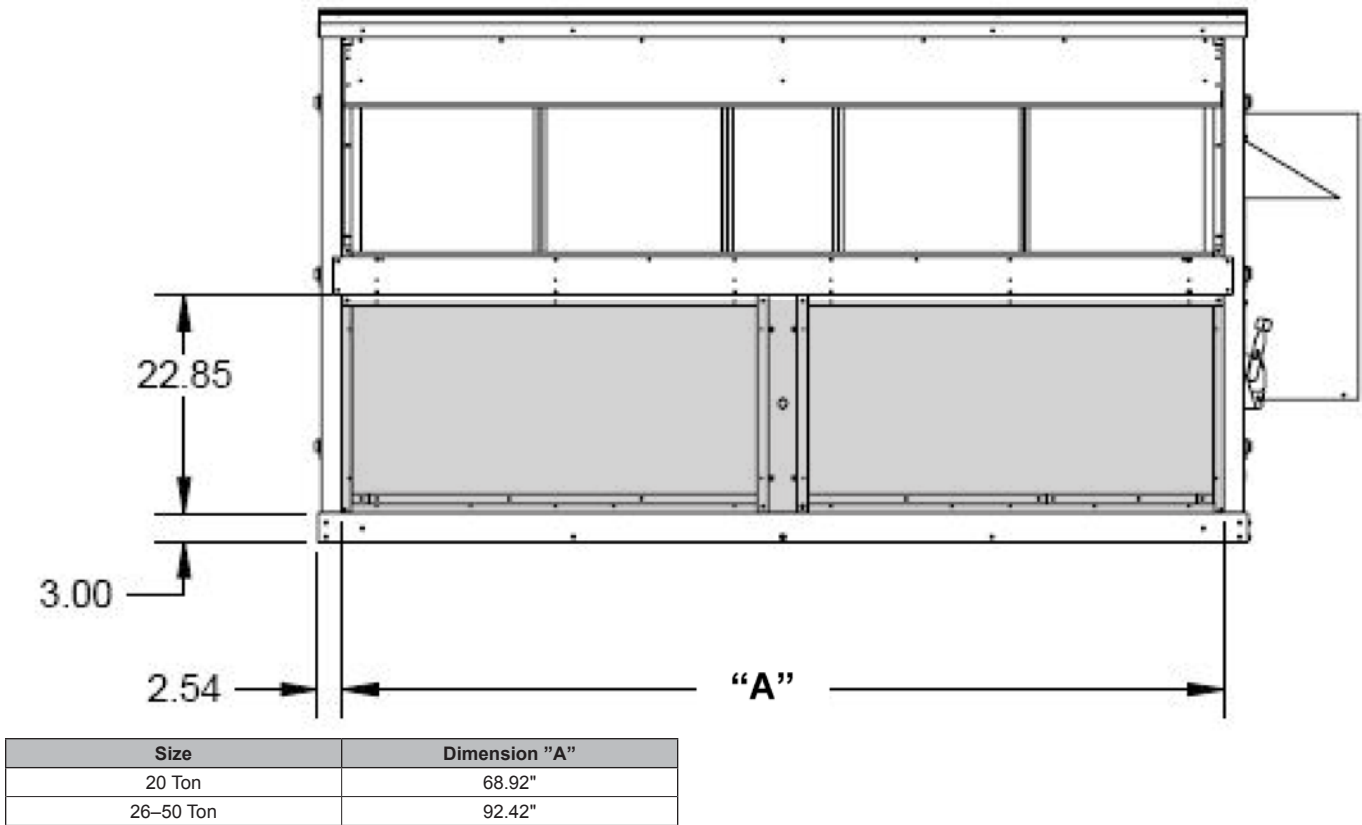
1. Remove the two barometric relief dampers, H020
2. Remove the center divider, H060. This component will not be used again and can be recycled.

## Installing the Relief Damper

Figure 2 shows the relief damper.

1. Two holes will be cut into the return ductwork.
2. Replace the support channels H186, H185 and H187
3. Replace the two sides, H160 & H170
4. Replace the two exhaust fans, H260 & H280
5. Replace the top of the exhaust hood, H150
6. The hood components should be sealed with silicone.

**Figure 1: Installation Location and Dimensions**







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