



Dometic Air Conditioner Replacements for RVP-Coleman Airstreams

Ducted

Standard Ducting

The ducts run from opposite corners of the air conditioner, one each to the front and rear of the coach. See Figures 1A & 1B.

'H' Ducting

The ducts run two legs towards the front and rear of the coach, forming an 'H' pattern. See Figure 2.

Center Ducting

The ducts run from the front & rear center of the air conditioner along the Center-Line of the coach. See Figure 3.

Applications

Initially, ensure that the current ducting meets the minimum required specifications for the Dometic air conditioners to be installed. See Page 3.

When using either of the first two duct configurations, the BriskAir or Penguin air conditioners can be installed in place of the Coleman, using a ducted return air assembly – either Standard or Quick-Cool. The return air assembly part numbers would be 3105007.xxx and 3105935.xxx, respectively.

When the Coleman is installed in a center duct configuration, only the Penguin air conditioners can be used as the replacement, and the duct configuration must be considered. In some configurations, the duct will run directly under the air conditioner with a hole cut into the ducting for the air conditioner discharge. Should this not be the configuration, a Center Duct Kit, part number 3107802.005, is available to configure the air conditioner for this application.

Note: There is no Center Duct Kit for the BriskAir series air conditioners.

Thermostatic Controls

As Coleman generally uses 4 wires in the wall for their thermostatic controls, the service center must choose the control system to be used. The Bi-Metal Control Kit, part number 3104998.004 also uses 4 wires in the wall. The Analog Control System requires the addition of 2 wires in the wall for part number 3107541.009 - cool and furnace only. For heat strip and heat pump applications with the Analog System, 3 wires must be added to the original 4 in the wall and part numbers 3107541.017 and 3107546.008, respectively, will be used. The Comfort Control Center can be used provided RJ11 connections are applied to the existing 4 wires in the wall. RJ11 connections with 6" leads, part number 3106614.054, are carried for this purpose, or the service center may choose to crimp their own connections. A 12vdc power source is required with the Analog and Comfort Control Systems, which can be accomplished with transformer part number 3108074.018.

If the BriskAir High Efficiency is used, the electronic control kit part number 3109407.001 and Comfort Control Center part number 3109228.001 or the Analog System part number 3107541.009 (thermostat included) must be used.

Note: When the Penguin 15 KBtu air conditioner is used in a ducted application, either the Comfort Control Center or Analog System must be used.

Non-Ducted - Mechanical

The Coleman can be removed and a BriskAir 13.5 or 15 KBtu or Penguin 13.5 KBtu put into its place using the Air Distribution Box part number 3107206.xxx or 3105457.xxx, respectively.

If the BriskAir High Efficiency is used, Air Distribution Box part number 3107211.xxx must be used.

Note: The Penguin 15 KBtu air conditioner cannot be used in this application.

Non-Ducted – Wall Thermostat

The Coleman can be removed and a Brisk or Penguin put into its place using either the BriskAir or Penguin, 13.5 or 15KBtu air conditioners. For BriskAir, use Air Distribution Box part number 3107210.xxx. For Penguins, select only those that have factory-installed control modules and use Air Distribution Box part number 3106615.010.

For BriskAir High Efficiency airs, use the Air Distribution Box part number 3107210.xxx and electronic kit part number 3109407.001 and Comfort Control Center part number 3109228.001, or Analog Control System part number 3107541.009 (thermostat included.)

FIG. 1A

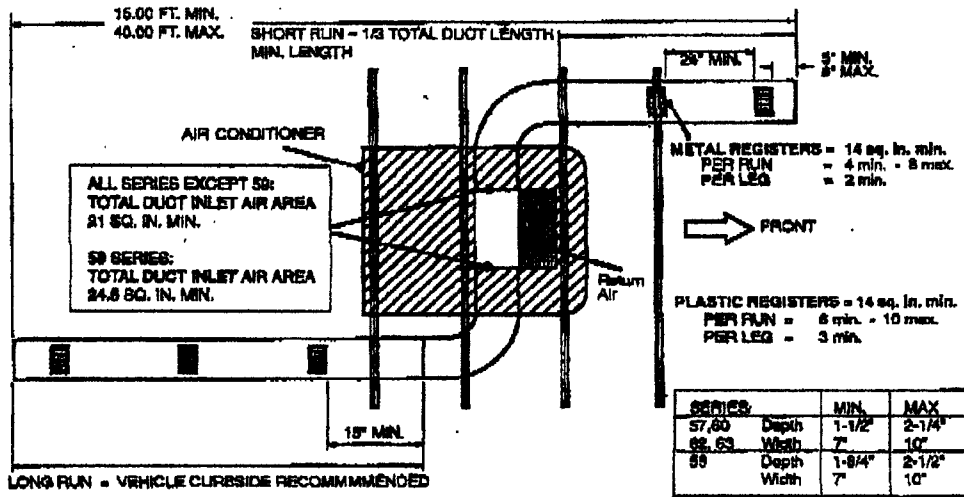


FIG. 1B

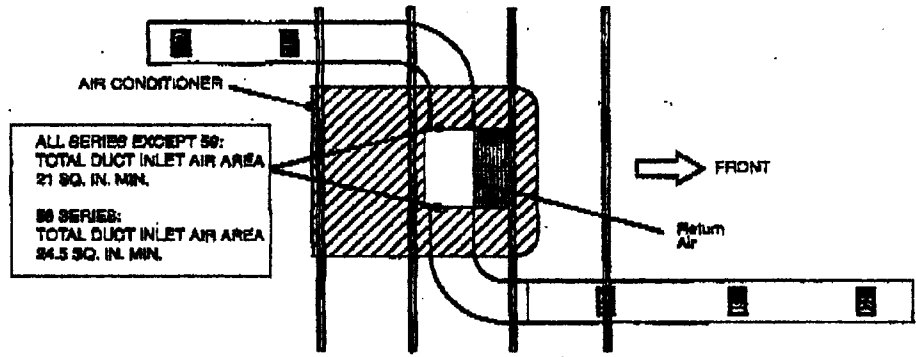


FIG. 2

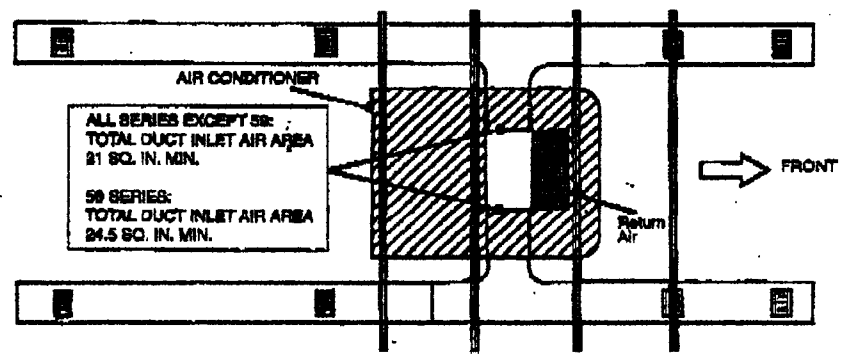


FIG. 3

