WhisperKOOL®
The Future of KOOL

OMEGA DUCTING OVERVIEW

Use ductwork to connect the unit to the supply and return outlets in the ventilated area. Use only insulated ductwork. Use ductwork on the condenser section to redirect or absorb sound, bring in outside air to the unit inlet, and/or exhaust the hot air.

Note: Do not exceed a total of 25 feet for each length of ductwork run and a combined total of 50 feet for both the supply and return lengths.

Avoid crimping the flexible ducts. This reduces airflow, causing the unit to operate improperly.

Do not allow sharp turns to squeeze or decrease the inside diameter of the flexible ducting.

General duct recommendations:

- Provide support for the flexible duct to prevent sags and bends.
- The required duct sizes are 10" (return) and 10" (supply).
- The recommended register size is 12" x 12". The filter should also be 12" x 12", and located at the return register. Registers and filters are not included with the unit. ***Fiberglass filter recommended.***
- Stretch out the duct to make a smoother interior which reduces air resistance.
- Maximum duct length is 50 combined feet.
- No more than three 90° bends on each duct. Sweep 90° bends are recommended rather than sharp 90° bends. ***Highly recommend to use rigis ducting when doing 90° and 180°.***
- Generously apply duct sealant to all metal seams to fill in gaps that can leak air. Allow sealant to dry before powering on.
- Do not squeeze or reduce the inside diameter of the ducts, as this will reduce airflow.
- Use short and straight ductwork where possible. Flexible duct must be insulated (R-8 insulation rating or higher).
- Check that all fan blades move freely.
- Keep air paths free of loose foreign objects and debris.

DO NOT:

- Install through-the-wall return air grilles at floor level where they will collect dust from the floor.
- Locate the supply or return air grille where it is blocked by bottles, boxes, or cases.