



VERT-I-PAK SINGLE PACKAGED VERTICAL AIR CONDITIONERS

A-SERIES ENGINEERING SPECIFICATIONS

All units shall be factory assembled, piped, wired and fully charged with R-22. Units shall be ETL listed and carry an ETL label. Units are approved for 0" clearance. All units shall be factory run-tested to check operation.

The basic unit shall not exceed 23 1/8" wide x 23 1/8" deep x 32 1/4" high. Unit shall draw in ambient air through upper portion of an outside architectural louver measuring 25 9/16" wide x 31 1/16" high and shall exhaust heated air out through the lower portion of the louver. The unit shall be secured to the architectural louver by means of a two part, weather-resistant wall plenum. The unit shall be capable of left, right or straight-in installations into mechanical closet without field modifications.

REFRIGERATION SYSTEM – The refrigeration system shall consist of a hermetically sealed rotary compressor that is externally mounted on vibration isolators; condenser and evaporator coils constructed of copper tubes and aluminum plate fins; and capillaries as expansion devices. The coils shall be draw-through design to facilitate cleaning. Unit shall have a fan slinger ring to increase efficiency and condensate disposal and have a primary condensate removal system consisting of 3/4" FPT drain connections built into the unit for easy removal. A secondary condensate removal system shall also be available for back up and shall overflow through the wall plenum and to the outside of the building.

AIR HANDLING SECTION – The evaporator and condenser fans shall be driven by a single, totally enclosed, ball bearing, permanently lubricated split capacitor fan motor. Airflow shall be directed vertically up through a standard 10" flex duct starter collar and into flexible or rigid ducts to be distributed into the conditioned area. Starter collar shall have both crimped edge to ease flex duct installation and a waistline to prevent duct from loosening.

CONTROLS – The unit shall be factory equipped with terminal strip for connection to a standard 24-volt single-stage heat/cool thermostat. A 24-volt transformer shall be included and factory wired. The unit shall be hard-wired and have a quick-disconnect to disable power for control box service.

GENERAL CONSTRUCTION – The unit shall be constructed of 18 gauge G90 zinc-coated steel. It shall be insulated for thermal efficiency. The wall plenum (required factory accessory) shall be constructed of 20 gauge G90 zinc-coated steel; pre-treated with zinc-phosphate and sealed with a chromate rinse, then powder coated for maximum coverage and protection. The architectural louver (required factory accessory) shall be fabricated from extruded anodized aluminum with louvers in the horizontal plane.

The unit shall include two vibration isolators mounted under the chassis and a non-rigid plenum-to-chassis connection to isolate vibrations from the building.

The unit shall have a plastic fan, fan shroud and drain pan for corrosion protection and to help prevent rust on the side of the building below the outdoor louver.

The unit shall be shipped with return air filter brackets and a 14" x 20" affixed directly on to the unit chassis. Other optional factory accessories shall be available for mounting the return air filter in mechanical closet door or an access panel.

Optional return air grilles shall be available as factory accessories for installation in the wall or door of the mechanical closet.

WARRANTY – First year: parts on entire unit. Second through fifth years: compressor only. See Limited Warranty document for complete details.