

Friedrich®

VERT-I-PAK® SINGLE PACKAGE VERTICAL AIR CONDITIONERS

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

The basic unit shall not exceed 23" wide x 23" deep x 31-1/4" high. Unit shall draw in ambient air through upper portion of an outside architectural louver measuring 25-3/8" wide x 31-1/2" high and shall exhaust heated air out through the lower portion of louver. The unit shall be secured to 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 refrigerant expansion devices. The coils shall be draw-through design to facilitate cleaning. Unit shall have fan slinger ring to increase efficiency and condensate disposal and have a primary condensate removal system consisting of 1/2" MPT flexible internal drain hose 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. Air flow 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 six foot line cord and thermostat-ready plug and harness for connection to standard 24 volt single-stage heat/cool thermostat. A 24 volt transformer shall be included and factory wired. Controls on the top of the unit shall include rocker switch to manually set high or low fan speed. The unit shall 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; electrostatically coated with a polyester finish; and oven cured for durability. The architectural louver (required factory accessory) shall be fabricated from extruded anodized aluminum with louvers in the horizontal plane.

The unit shall include four 1" vibration isolators to mount under the chassis, and a non-rigid plenum-to-chassis connection to isolate vibrations from the building.

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

The unit shall be constructed so as to allow return air filter brackets (factory accessory) to be affixed directly on to the unit chassis. Other optional factory accessories shall be available for mounting return air filter in mechanical closet door or access panel. Unit shall use standard 16" x 20" air filter.

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.