

Friedrich VRP® studio
Variable Refrigerant Packaged Heat Pumps

VRF performance and single package simplicity

FreshAir® IAQ READY



SMALL FOOTPRINT
23 x 23 INCHES

 **FRIEDRICH**

THE EXPERTS IN ROOM AIR CONDITIONING



Innovation that earns awards. Performance that wins customers.

Designed for today's more compact and tightly-built hotel rooms. the VRP® studio is the latest addition to the award-winning VRP® line.

VRP studio provides effective heating, cooling and dehumidification, and yet still allows customized comfort with sophisticated indoor air quality capabilities that help buildings meet ASHRAE 62.1 requirements for MUA (make-up air). A direct fit replacement for our Vert-I-Pak® line.



BEST IN CLASS COOLING PERFORMANCE

Precision Inverter® variable speed compressors deliver efficiencies up to 15.0 SEER2. Automatically adjusts capacity to meet specific cooling conditions. Can operate at up to 120% of rated capacity to reach set point quickly

SUPER EFFICIENT HEATING

Low-ambient heat pump operation to 0° F*. Significant energy rebates available with huge savings over resistance heat

FRESH-AIRE® IAQ READY

A full complement of Indoor Air Quality Products has been certified through installation and testing to ensure exceptional air quality is achieved when FreshAire® IAQ accessories are added.

*May experience some loss in capacity. Continuous operation is not guaranteed.

ADVANCED HUMIDITY CONTROL

Sophisticated humidity control system with on-board sensors and humidistats
Ability to adjust motor and compressor speed enhances dehumidification
Optional hot gas re-heat coil helps maintain ideal RH levels

CONDITIONED FRESH AIR

Optional FreshAire® system brings in up to 130 CFM of conditioned, MERV 8-filtered outside air. Helps building owners achieve ASHRAE 62.1 compliance for commercial buildings, and ASHRAE 62.2 for residential buildings
Reduces cost and complexity associated with dedicated outside air systems

THE MOST COMPLETE LINE OF HVAC PRODUCTS FOR LODGING

Closet-installed VRP® studio lets you manage energy use and delivers performance that exceeds guest expectations

VRP studio combines exceptional energy efficiency with advanced energy management to significantly reduce energy costs. Available FreshAire® system and MERV 13 filtration address a major concern among guests- safe and healthy indoor air.



SAVE VALUABLE SPACE IN THE GUESTROOM



Space-saving unitary package design with 23 x 23 inch footprint. Free-floating chassis and fully insulated cabinet for quiet operation.

ENERGY MANAGEMENT CUTS ENERGY COSTS



When paired with the VRPXEM(W) RT2, the property owner gains the added benefit of occupancy-based operation, increasing the annual saving even more.

Also compatible with Incom & Telknet

DELIVER EXCEPTIONAL INDOOR AIR QUALITY



Leading authorities, including the CDC, EPA, and ASHRAE recommend upgrading your filter to a MERV 13 or higher to help guard against the spread of infectious airborne particles, including COVID-19.

*ASHRAE Standard 52.2-2017

ACCESSORIES

STANDARD WALL CONTROLLER

VRPXWCT

Simple easy-to-use wired wall controller for hotels, schools and other commercial properties with customizable set points ensuring guest comfort.



ENERGY MANAGEMENT WALL CONTROLLER WITH OCCUPANCY SENSOR

VRPXEMRT2, VRPXEMWRT2

- Real time motion and thermal occupancy sensor
- Wired or wireless installation
- 5 energy savings presets
- Remote monitoring

ENERGY MANAGEMENT THERMOSTATS

VRPXEMRT2/ VRPXEMWRT2

Wired thermostat with occupancy based Energy Management

EMOCT Online connection kit.	EMRAF Remote access fee.	EMROS Remote Occupancy Sensor	
EMRTS Remote Temp. Sensor	EMRDS Door Switch	EMCWP Wall-Plate	EMRWOS Wireless Occ. Sensor

WALL PLENUMS (REQUIRED)

VPAWP1-8/14

Two-part sleeves that telescope in and out; sits inside the exterior wall penetration.

VPAWP1-8 -Sleeves telescope from 4"- 8"

VPAWP1-14 -Sleeves telescope from 8"- 14"



VPAWP1-8, VPAWP1-14

RETURN AIR GRILLE/ACCESS PANELS

VPRG4/VPRG4R

Hinged panel allows access to unit and return air filter. VPRG4R version is for right in-swing

VPRXAP1

Hinged panel allows access to unit and return air filter (20"x 25"). Can be installed to have a left or right in-swing

VPRXAPPR1

Solid hung panel with 18ga construction and sound attenuating insulation. The return air enters from the perimeter of the door for a more aesthetically pleasing look and overall sound attenuation.



VPAL2

ARCHITECTURAL LOUVER

VPAL2

Extruded aluminum grille that attaches to the outdoor section of the wall plenum.

DRAIN PAN (REQUIRED)

VPDP2

Must be installed prior to chassis for easy installation/removal.



VPDP2



VPRG4, VPRG4R



VPRXAPPR1



HEALTHY AIR DELIVERED

The COVID-19 global pandemic is transforming the way the lodging industry meets the comfort and safety needs for guests. As your room air experts, Friedrich remains committed to improving guest comfort and safety with our newest innovation, FreshAir® IAQ solutions - a suite of indoor air quality accessories for use with Friedrich Air Conditioners, all with one dedicated purpose - healthy indoor air.

FreshAir® IAQ solutions incorporate ASHRAE-recommended protocol* to address indoor air quality and airborne transmissions. This suite of products include industry-leading air quality technologies such as MERV 13 filtration, UV germicidal light and bi-polar ionization. Together, they represent a major leap forward in integrated HVAC air purification and rebuilding confidence for indoor environments.

*Based on ASHRAE Guidance for Building Operations During the COVID-19 Pandemic

ACCESSORIES

FRESH Aire® MERV 13 FILTRATION

FreshAir MERV 13 filtration is effective at capturing and removing microorganisms from the air, which according to ASHRAE*, the leading authority on the science behind advanced indoor air quality, include harmful airborne viruses.



FRESH Aire® MERV 13 FILTER KITS

VRPXF-2

Filter bracket kit for 2" deep filters (up to MERV 13) - includes gasket and 2" MERV 13 filter



VRPFKU

Telescoping filter bracket for 2" - 4" deep filters (up to MERV 13) - includes gasket

FRESH Aire® PURIFIER APWR1

FreshAir Purifier by iWaves features needlepoint bi-polar ionization to address any mold, bacteria, virus, allergens, and VOC's that may be in your air stream to ensure delivery of healthy, clean, purified air.



FRIEDRICH® UV UVT1

Germicidal UV light kits by Fresh-Aire UV have been tested and certified for use on Friedrich Vert-I-Paks. The UV kit can be installed on the evaporator coil and is designed to disinfect surfaces and the air as it circulates through the ventilation system. UV light can kill airborne bacteria, viruses, mold, reduce maintenance costs and extend the life of an HVAC system



SPECIFICATIONS

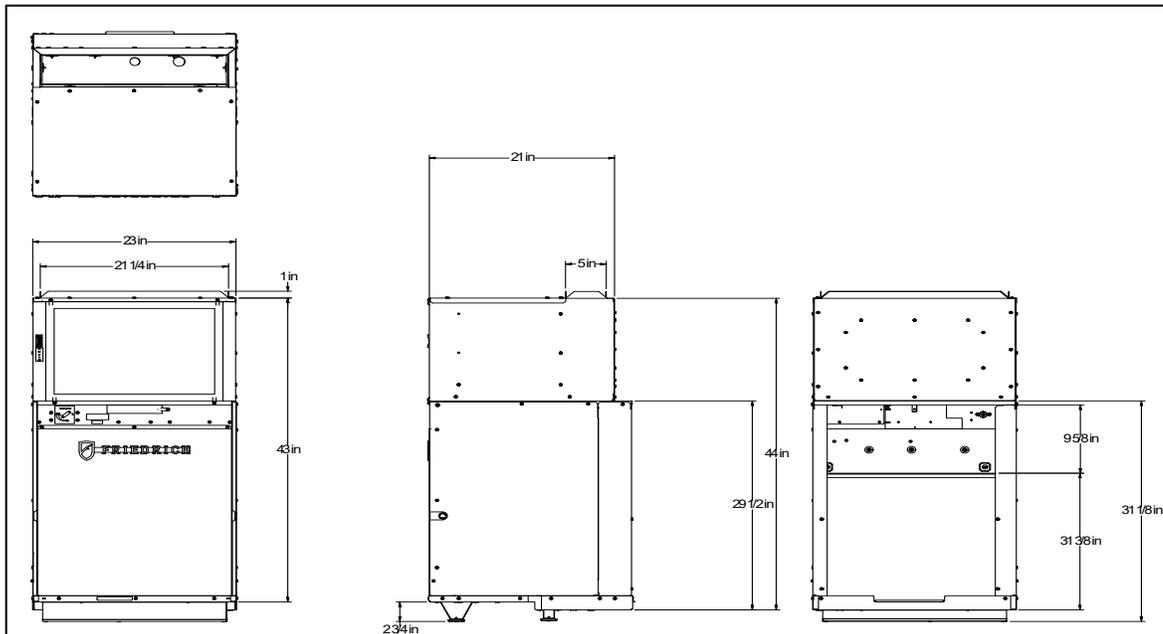
	VRP07K	VRP07R
Cooling Performance Data		
Voltage	230/208	265
Cooling Btu (Rated)	7,000	
Cooling Btu (Min. - Max)	3,800 - 10,000	
Outdoor Operating Range (°F)	55 - 115	
Power (W)	636	
EER	11.0	
IEER	19.1	
Sensible Heat Ratio	0.77	
Cooling Amps	3.2	
Heat Pump Performance Data		
Voltage	230/208	265
Heating Btu (Rated @ 47° F)	7,000	
Heating Btu (@ 17° F)	3,500	
Heating Btu (Min. - Max.)	2,800 - 9,000	
Heat Pump Outdoor Operating Range (°F)*	0 - 70	
COP (Rated @ 47° F)	3.3	
Heating Power (W)	621	
Heating Amps	3.1	

VRP07K/R	
Dimensions (W x D x H)	22 15/16" x 22 13/16" x 44 15/16"
Shipping Dimensions (W x D x H)	25" x 25" x 48 1/4"
Net Weight (lbs.)	161
Shipping Weight (lbs.)	165
R410A Charge (oz.)	31.0

(Cooling Standards: 95°F DB/75°F WB outdoor, 80°F DB/67°F WB indoor)

*May experience some loss in capacity. Continuous operation is not guaranteed.

DIMENSIONAL DRAWING



One or more of the following patents may apply: 10408504, 10436457, 10488083. Additional patents pending.

