

QUIET, ENERGY-EFFICIENT **HEATING & COOLING** FOR COMFORTABLE STAYS



VERT-I-PAK®

THE BEST HVAC SOLUTIONS
FOR HOSPITALITY & MULTI-FAMILY



FRIEDRICH® VERT-I-PAK® SERIES SINGLE PACKAGE HEAT PUMPS

A quiet, energy-efficient option for suites, extended stay properties, assisted living, and more, Friedrich Vert-I-Paks prioritize guest comfort. Delivering high performance with a sleek look—in options available for hospitality, multi-family dwellings, and more—Vert-I-Paks are a smart solution for commercial properties.



FRIEDRICH
DELIVERING BOLDLY CRAFTED COMFORT

Designed To Deliver Uncompromised Performance

Ideal for both hospitality and multi-family comfort solutions, Friedrich® Vert-I-Pak® heat pumps install easily and discreetly. Plus, they feature energy-saving high efficiencies for year-round comfort and savings.



High Efficiencies

Vert-I-Pak supports decarbonization efforts with heat pump operation down to 10°F and low ambient capability with active defrost and base pan heat.



Earth-Friendly

All units are compliant with the new A2L refrigerant federal regulations, using R-32 refrigerant and offering superior energy efficiency and a reduced environmental footprint.



Energy- & Cost-Saving

Experience significant energy and cost savings with our latest model that features a lower runtime cost and reduced electrical heating expenses thanks to the efficient heat pump.



Flexible Installation

Mounts from any interior side (front, right, or left), features a 10" round duct for small chassis units, a fully packaged design, and comes precharged and prewired for a hassle-free setup.

Installs discreetly for a natural and more homelike look.



INDOORS

Installs out of sight, so your guests will only see a wall thermostat.



OUTDOORS

Eliminates the clutter of outdoor condensing units, and is available with a sleek architectural grille in custom colors to match building exteriors.

The Vert-I-Pak® Advantages

Comfort shouldn't be complicated. Whether you're catering to guests at a hotel or families living in an apartment complex, Friedrich® Vert-I-Paks are built to last, built to perform, and built to cost you less.

Advanced Connectivity

Every unit can be paired with either a wired or wireless thermostat for easy operation. Plus, a suite of energy management thermostats are available that have a motion and thermal occupancy sensor, auto changeover, energy presets, and comprehensive remote management capabilities¹ accessible via mobile or web interfaces and integrated with BACnet for additional energy savings.

Trusted Warranties & Support

An industry-leading warranty features a 1-year full warranty on parts and labor and 5-year limited warranty. Plus, a nationwide service network and US-based expert technical team ensures you get fast, knowledgeable service.

¹Energy management capability requires purchase of additional hardware and service fees.

Diamonblue™ Advanced Corrosion Protection

Safeguards both coils from deterioration, significantly extending the lifespan of the unit. This specialized coating ensures reliable performance and durability even in challenging conditions like coastal environments.



Advanced Condensate Removal

All Vert-I-Paks feature slinger ring technology for evaporative cooling and a primary condensate removal. A secondary overflow lip on the drain pan and drip edge on wall plenums help prevent leaks and water damage.

NOTE: VHA18 and VHA24 models use a gravity-fed drain pan (VPDP2).

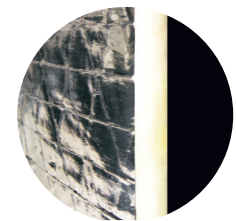
A Superior Product That Delivers Superior Performance

With Friedrich® Vert-I-Pak®, you can feel confident that both you and your occupants will be satisfied. Each unit is expertly engineered to minimize noise, maximize comfort, and optimize efficiencies.

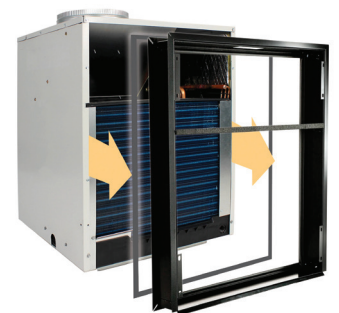
Boldly Crafted for Quieter Performance

Friedrich's free-floating chassis design slides into the wall plenum and a gasket firmly seals the chassis to the patented telescoping plenum. This eliminates vibration noises that are transmitted into the room in competitors' metal-on-metal fixed installations. Extra thick, vibration-absorbing rubber grommets are mounted on a durable base, engineered for structural and acoustic integrity.

Chassis slides into gasketed, telescoping wall plenum



Foil-backed, ½" insulation blanket inside the cabinet reduces sound transmitted into the guest room



Scan to Watch Video:
QUIETMASTER®
TECHNOLOGY

Advanced Energy Management

The comfort of your guests and occupants is paramount, and Friedrich's energy management solution makes it easier than ever to optimize their experience while maximizing efficiency and savings.



GUEST EXPERIENCE

New & Improved Design

A sleek design, fingerprint-resistant glass, and an intuitive interface enhance the user experience

Real-time Occupancy Sensor

Combines motion and thermal sensing technologies for accurate occupancy detection

Program To Match Daily Schedules

Tailored for maximum energy savings based on daily routines and personalized weekly temperature schedules

EFFICIENT MONITORING

Remote Management¹

Provides expansive solutions from any computer or mobile device connected to the internet

Wireless Mesh Network

Eliminates the need for additional networking equipment such as signal repeaters or multiple data collection boxes

Graphical Room View

Examine up to 30 days of room temperature, humidity, setpoints, and occupancy modes

¹Requires an added accessory "Online Connection Kit" (EMOCT4) and a one-time license fee (EMRAF4).



Room Status

Displays operation, occupancy, and energy efficiency status of each room

Error Alert

Built-in diagnostic tools automatically send email alert notifications to hotel staff

Temperature Setback & Optimization

Automatically adjusts the temperature when rooms are unoccupied and continuously adjusts temperature rate to maximize energy savings

Energy Reports

Monitor energy use and evaluate performance of energy-saving features

Runtime Reports

Provides daily average of compressor and heater runtime

Vert-I-Pak vs. The Competition

ADVANCED FEATURES YOU'LL FIND ON FRIEDRICH VERT-I-PAK

1. Floating chassis design slides into a wall plenum and is held firmly in place by a sealing gasket, reducing noise from vibration transfer.
2. ½ inch foil-backed insulation added on the inside of the chassis reduces sound transmission into the guest room.
3. Condensate removal system uses slinger ring technology to cool the coil and increase efficiency.
4. Dynamically balanced blower with large, vibration-absorbing motor mounts for smooth and quiet operation.
5. Patented telescoping plenums (accessory) easily adapt to more installations.
6. 5 year limited warranty²; 1 year labor warranty.
7. A full suite of factory approved indoor air quality accessories designed to deliver healthy air.

WHAT YOU WILL (OR WON'T) FIND ON MANY COMPETITORS' PRODUCTS

1. Chassis is screwed into the wall plenum; Metal-on-metal contact transfers vibration, increasing operating noise under typical conditions; Noise is transferred through the walls and into the room.
2. No insulation on the unit to reduce noise transmission into the guest room.
3. Hard plastic feet on the unit base are less durable and transfer harsh vibration noise.
4. Different plenums needed based on varying wall depths.
5. No labor warranty.
6. No approved indoor air quality accessories.

²See warranty documentation for details.

A Better Solution for Lodging and Hospitality

Maximize guest comfort without sacrificing savings or efficiency year-round with Friedrich® Vert-I-Pak®—a better solution for hospitality.

Why Choose Vert-I-Pak

It offers a better alternative to whole-building solutions, with features like:

- Lower installed cost
- Independent metering for no prorating
- Individual temperature control (one unit can heat while others cool)
- Reduced risk of spaces becoming uninhabitable during repairs
- Easy access for maintenance or replacement

It's a better heating and cooling option, inside and out:

- Eliminates outdoor units and vandalism barriers
- Completely self-contained
- No refrigerant lines running from floor to floor
- Quick, easy replacement maintains livable spaces

It provides improved guest comfort:

- Individually controlled for tailored comfort
- Backup auxiliary electric heat
- Ability to duct air where it's needed, not just on the outside wall



Unmatched Comfort for Multi-family & Residential Spaces

The Friedrich® Vert-I-Pak® offers unmatched comfort and efficiency with advanced heating and cooling features.

Sustainable Comfort – Our versatile heat pumps, available in sizes up to 24k, support decarbonization and electrification efforts, making them an eco-friendly choice.

A Peaceful Environment – Guests experience superior quiet operation with our QuietMaster® technology, featuring strategically placed gaskets to further enhance noise reduction for a peaceful environment.

Enhanced Air Quality – Friedrich FreshAire® IAQ combines MERV 13 filtration, and bi-polar ionization to provide enhanced indoor air quality.

High Performance Year-round – Equipped with low ambient technology, our heat pumps operate efficiently down to 10°F and include active defrost capabilities for optimal performance.



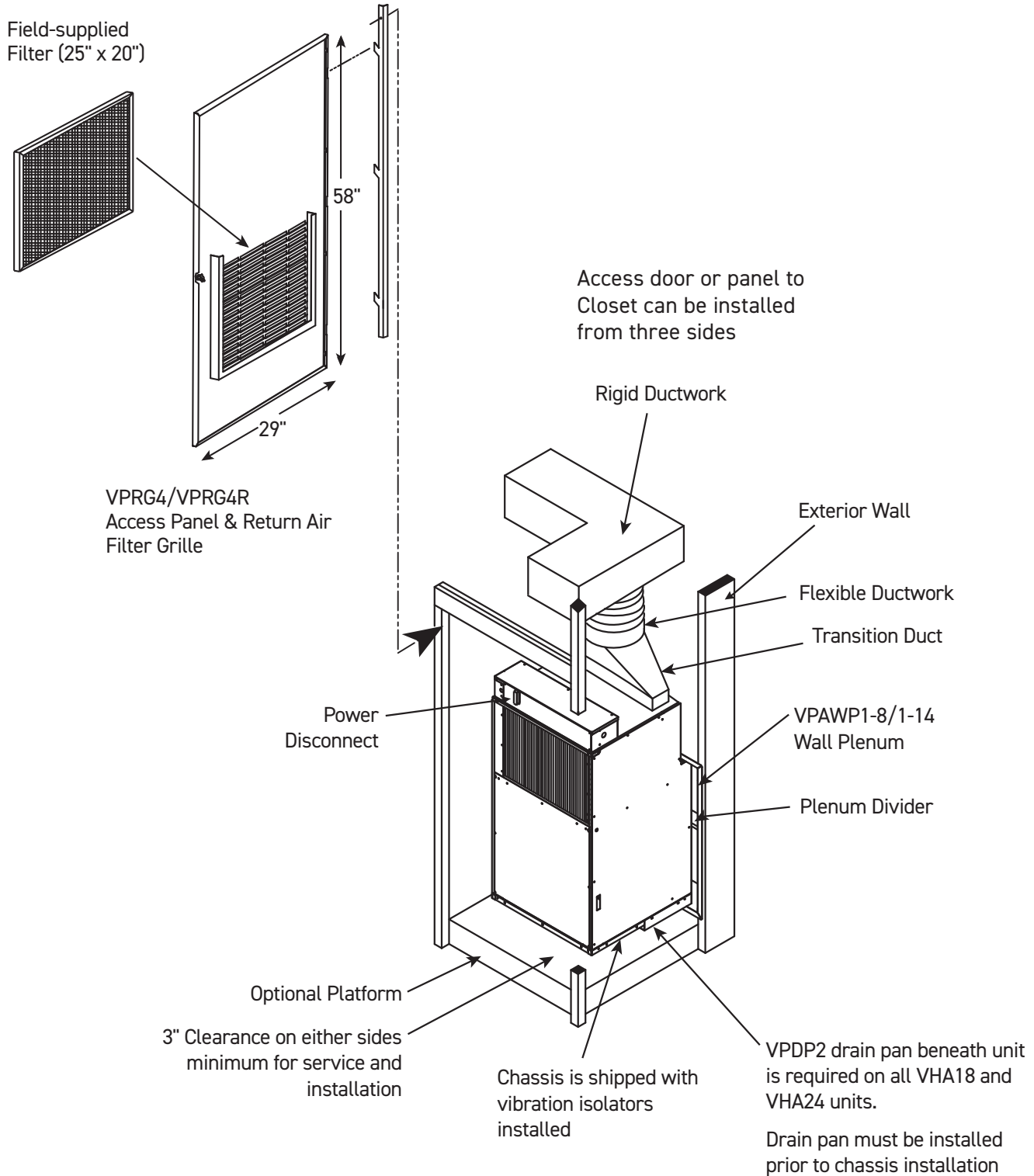
Vert-I-Pak® Specifications

MODEL	VHA09K	VHA09R	VHA12K	VHA12R	VHA18K	VHA18R	VHA24K	VHA24R
COOLING DATA								
Total Cooling Cap. (Btu/hr) @ 95°F	9,400	9,400	11,200	11,200	17,800	17,800	22,600	22,600
Sensible Cooling Cap. (Btu/hr)	7,100	7,100	8,800	8,800	13,100	13,100	14,700	14,700
SEER2	12.3	12.3	12.3	12.3	12.1	12.1	12.1	11.9
EER2	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
Power (W)	887	887	1,057	1,057	1,679	1,679	2,132	2,132
Voltage	208/230	265	208/230	265	208/230	265	208/230	265
HEATING DATA								
Heat Pump Cap. (Btu/hr) @ 47°F	8,600	8,600	10,400	10,400	16,200	16,200	19,500	19,500
Heat Pump Cap. (Btu/hr) @ 17°F	4,900	4,900	6,000	6,000	9,800	9,800	12,400	12400
HSPF2	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.7
Heater size (Kw)	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0/7.5	2.5/3.4/5.0/7.5	2.5/3.4/5.0/7.5/10.0	2.5/3.4/5.0/7.5/10.0
PHYSICAL								
Dimensions (W x D x H)	23"X23"X32"	23"X23"X32"	23"X23"X32"	23"X23"X32"	23"X23"X47"	23"X23"X47"	23"X23"X52"	23"X23"X52"
Refrigerant	R32							
Volume (Oz)	26	26	28.7	28.7	40	40	44	44
Airflow (CFM)	360		420		560		580	
VENTILATION AIR								
CFM	UP TO 60							

NOTE: Due to continuing research in new energy-saving technology, specifications are subject to change without notice.



Typical Vert-I-Pak® Installation



Vert-I-Pak® Accessories

ARCHITECTURAL LOUVER (optional)

Extruded aluminum grille that attaches to the outdoor section of the wall plenum; VPSC2 and VPSC2-42 can be ordered in custom colors.

Models – VPAL2/VPAL-42 & VPSC2/VPSC2-42

Dimensions – 25 9/16" W x 31 1/16" H



VPAL2



VPAWP1-8/14

WALL PLENUM (required)

Two-part telescoping sleeve that sits inside the exterior wall penetration.

Models – VPAWP1-8 (telescopes from 4–8") & VPAWP1-14

(telescopes from 8–14")

Dimensions – 24 1/8" W x 30 3/8" H

24 5/8" W x 30 7/8" H (cutout)

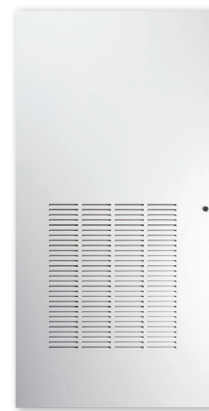
RETURN AIR GRILLE/ACCESS PANEL/SOLID DOOR ACCESS PANEL (optional)

Hinged panel allows access to unit and return air filter.

Models – VPRG4 (default left-hinged), VPRG4R (right-hinged) & VPRG4SD (solid door)

Dimensions – 29" W x 58" H

27" W x 55 3/4" H (cutout)



VPRG4/VPRG4R



VPRG4SD

NOTE: A field-supplied filter should be mounted on the inside grille; Panel can be mounted with return air opening/louvers on top for better sound attenuation.

FIRST COMPANY SLEEVE ADAPTER (optional)

Single-piece, welded adapter easily connects to Friedrich chassis and allows retrofit into existing First Company® SPXR-series single package unit wall sleeve and louver.

Models – VPASA1

NOTE: Only compatible with Friedrich VHA09 and VHA12 units.



VPASA1

DRAIN PAN (required for VHA18 and VHA24 models)

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

Models – VPDP2



VPDP2

TRANSITION KITS (optional)

Single piece allows retrofit into existing 10" round flexible ducts for any VTACs.

Model – VPTRL (compatible with VHA18, VHA24)

NOTE: VHA09 and VHA12 (RCQ series) have 10" round supply take-off.

Vert-I-Pak® Accessories

Heat Pump Thermostats

RT7P

Wired, wall-mounted programmable thermostat with backlight

RT7

Wired, wall-mounted digital thermostat with backlight

WRT2

Wireless, wall-mounted programmable thermostat with backlight



RT7P



RT7



WRT2



Energy Management Thermostats

EMRTA4/EMWRTA4 - White

EMRTB4/EMWRTB4 - Black

Wired/wireless w/occupancy sensor

EMRAF4

Energy management system remote access fee

EMRDS4

Wireless door/window sensor

EMCWPA4/ EMCWPB4

Wall plate

EMOCT4

Online connection fee and kit for Energy Management.

EMROS4

Remote occupancy sensor

EMRTS4

Remote temperature sensor

EMRWOS4

Wireless occupancy sensor



EMRTA4/EMWRTA4 - White
EMRTB4/EMWRTB4 - Black

FreshAir® IAQ

Friedrich® FreshAir® IAQ are proven, easy-to-install accessories that improve the health and quality of indoor air.

FILTRATION (field-supplied filter)

FreshAir MERV 13 filtration is effective at capturing and removing microorganisms from the air, which according to ASHRAE¹, the leading authority on the science behind advanced indoor air quality, include harmful airborne viruses.

¹Based on ASHRAE Guidance for Building Operations during the COVID-19 Pandemic.

FRESHAIR® MERV 13 FILTER BRACKET KITS

VPFK0912-2

2" MERV 13 filter bracket kit for VHA09, VHA12

VPFK0912U

2"-4" MERV 13 telescoping filter bracket kit for VHA09, VHA12

VPFK1824-2

2" MERV 13 filter bracket kit for VHA18, VHA24

VPFK1824U

2"-4" MERV 13 telescoping filter bracket kit for VHA18, VHA24



VPFK0912-2
VPFK1824-2

VPFK0912U
VPFK1824U

FRESHAIR® PURIFIER - APWR1

FreshAir® Purifier by iWaves is an optional accessory that kills mold, bacteria, and viruses—while effectively removing odors and VOCs.

OUTSIDE AIR VENTILATION

All Friedrich Vert-I-Pak units are manufactured featuring passive outside air ventilation. Up to 60 CFM of fresh outside air can be brought into the space during unit operation.



APWR1

Friedrich® Vert-I-Pak® Fast Features

Cooling & Heating Efficiencies Up To:

12.3 SEER2/10.6 EER2/6.7 HSPF2

Cooling & Heating Capacities:

COOLING: 9,400–22,600 Btu

HEATING: 8,600–19,500 Btu

Refrigerant Type: R-32

Key Features:

- QuietMaster® technology
- FreshAir® IAQ
- Integrated energy management
- Advanced condensate removal

Additional Standard Features:

- **High Efficiencies** – Vert-I-Pak supports decarbonization efforts with heat pump operation down to 10°F and low ambient capability with active defrost and base pan heat.
- **Earth-friendly** – All models are compliant with A2L refrigerant standards, offering superior energy efficiency and a reduced environmental footprint.
- **Flexible Installation** – Mounts from any interior side (front, right, or left), a 10" round duct is available for small chassis units, a fully packaged design, and comes precharged and prewired for a hassle-free setup.

Warranty:

1 yr. Parts & Labor; 5 yr. Limited.



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