

VERTICAL SINGLE PACKAGE AIR CONDITIONERS



FRIEDRICH

1883

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A SIMPLY BETTER WAY to HEAT & COOL MULTIPLE ROOMS.

Vert-I-Pak® A simply better way to heat & cool multiple rooms.

Ideal for extended stay properties, suites, assisted living facilities, student housing and commercial spaces

Condition multiple rooms

A single VERT-I-PAK unit may be ducted for flexible zone cooling in multiple rooms.

Concealed installation

Guests will appreciate the homelike feel of a guest room or suite with a hidden cooling system. And, everyone enjoys the benefits and comfort of individual in-room temperature control.

Quieter than exposed cooling options

Because the VERT-I-PAK installs in a typical mechanical closet, units are quieter than other in-room air conditioning options. Even quieter operating sound levels may be achieved by insulating the closet.

Added value

VERT-I-PAK is less expensive to install and maintain than multiple units for multiple rooms. And energy efficient operation means lower operating costs.

Heat and cool larger areas and common spaces

Available in capacities from 9,000 - 23,000 BTU/h, VERT-I-PAK units can easily cool larger suites and common areas.

Installs as easily as a PTAC

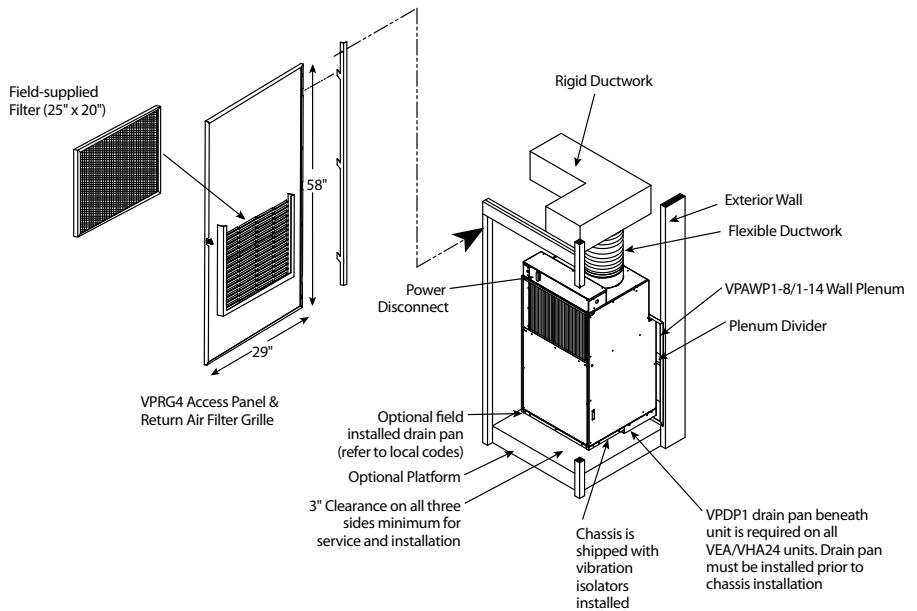
All units are pre-wired, charged and piped, so only electrical hook up is needed to be up and running.

100% run tested prior to shipment

Every unit is tested in every operating mode before it ships for optimal performance and reliability.

Typical Vert-I-Pak® installation.

VERT-I-PAK®



Give your property a homelike appearance

VERT-I-PAK fits neatly into a typical mechanical closet, so you can create indoor living spaces that are more versatile. Guests and tenants will enjoy a quieter and more visually dynamic living environment.



5 YEAR WARRANTY
On the sealed refrigeration system. Limitations apply. Refer to warranty documentation for details.

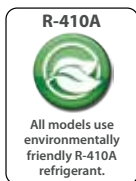
Premium features and advantages

- Completely self-contained
- Ultraquiet operation
- Unique free-floating chassis
- Eliminates the clutter of split systems and the need for multiple PTACs
- No refrigerant lines running from floor to floor
- Easy installation; does not require an HVAC technician
- Standard safety power disconnect
- Electronic control panel on unit for easy diagnostics and servicing
- All units are shipped (on pallet) with return air filter
- 24-volt remote thermostat ready
- High/low fan speed can be selected at thermostat for improved comfort and sound (RT5 thermostat only)
- 10" crimped and beaded duct-collar ready to attach flex duct

- Easy-to-connect, right or left drain connection
- Installs easily on an outside wall
- Corrosion resistant interior
- Easy-to-install front, left, or right hand into closet
- Compact and lightweight, weighs as little as 125 lbs.



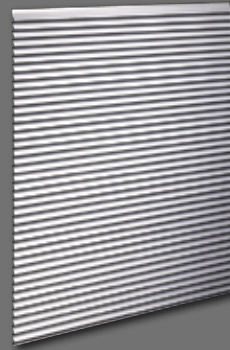
Finished units are unpainted galvanized metal





STANDARD ON ALL MODELS.
This advanced corrosion protection treatment protects the outdoor coil against deterioration and extends the life of the unit especially in harsh coastal environments.

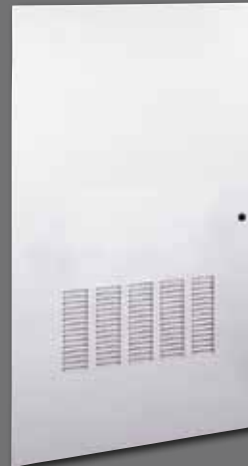
Optional accessories



ARCHITECTURAL LOUVER VPAL2 and VPSC2

Extruded aluminum grille that attaches to the outdoor section of the wall plenum. Takes in fresh air and returns condensed air. VPSC2 can be ordered in custom colors.

DIMENSIONS: 25 9/16" W x 31 1/16" H



RETURN AIR GRILLE/ ACCESS PANEL VPRG4

Hinged panel allows access to unit and return air filter. A field-supplied filter (25" x 20") is mounted inside the grille. Panel can be mounted with return air openings high or low on the door for optimum sound attenuation.

DIMENSIONS: 29" W x 58" H
CUTOUT DIMENSIONS: 27" W x 55 3/4" H



WALL PLENUM VPAWP1-8, VPAWP1-14

Two-part sleeve that telescopes in and out. Sits inside the exterior wall penetration.

VPAWP1-8 telescopes from 5 1/2"-8"
VPAWP1-14 telescopes from 8"-14"
DIMENSIONS: 24 1/8" W x 30 3/8" H
CUTOUT DIMENSIONS: 24 5/8" W x 30 7/8" H



SINGLE STAGE THERMOSTAT RT4

Single stage, wall-mounted digital thermostat for control of Friedrich VERT-I-PAK.



SINGLE STAGE THERMOSTAT RT5

Single stage, wall-mounted digital thermostat with two fan speeds and backlight for control of Friedrich VERT-I-PAK.

VERTICAL SINGLE PACKAGE AIR CONDITIONERS



Specifications

Model	VEA09K	VEA12K	VEA18K	VEA24K	VHA09K	VHA12K	VHA18K	VHA24K
COOLING DATA								
COOLING BTUh	9400/9000	11500/11200	17000/16500	23000/22700	9200/8900	11500/11200	17000/16800	23000/22800
POWER (W)	959/918	1162/1140	1882/1860	2421/2389	939/908	1186/1155	1882/1860	2527/2505
EER	9.8/9.8	9.8/9.8	9.0/9.0	9.5/9.5	9.8/9.8	9.7/9.7	9.1/9.1	9.1/9.1
SENSIBLE HEAT RATIO	0.74	0.72	0.70	0.70	0.74	0.72	0.70	0.70
HEATER SIZE	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0/7.5/10.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0/7.5/10.0
HEAT PUMP DATA								
HEATING BTUh	N/A				8500/8000	10800/10600	16000/15000	20000/20000
COP @ 47F	N/A				3.0/3.0	3.0/3.0	3.0/3.0	3.0/3.0
HEATING POWER (W)	N/A				830/811	1055/1035	1560/1540	1953/1953
HEATING CURRENT (A)	N/A				3.6/3.9	4.6/4.9	7.5/8.2	8.5/9.4
ELECTRICAL DATA								
VOLTAGE (1 PHASE, 60 Hz)	230/208	230/208	230/208	230/208	230/208	230/208	230/208	230/208
VOLT RANGE	253-198	253-198	253-198	253-198	253-198	253-198	253-198	253-198
COOLING CURRENT (A)	4.2/4.4	5.2/5.4	8.1/8.6	10.0/10.4	4.1/4.3	5.3/5.5	8.2/8.6	10.6/10.8
AMPS L.R.	22	30	42	34.8	18.5	26	42	34.8
AMPS F.L.	3.7	4.5	7.8	9.5	3.6	5	7.8	9.5
INDOOR MOTOR (HP)	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
INDOOR MOTOR (A)	1.2	1.2	1.2	1.94	1.2	1.2	1.2	1.94
OUTDOOR MOTOR (HP)	N/A			1/4	N/A			1/4
OUTDOOR MOTOR (A)	N/A			.85	N/A			.85
AIRFLOW DATA								
INDOOR CFM*	300	350	450	610	300	420	450	610
VENT CFM	60	60	60	60	60	60	60	60
MAX. ESP	.3"	.3"	.3"	.4"	.3"	.3"	.3"	.4"
PHYSICAL								
DIMENSIONS (W x D x H)	23x23x32	23x23x32	23x23x32	23x23x47	23x23x32	23x23x32	23x23x32	23x23x47
NET WEIGHT (LBS)	114	124	144	167	114	125	144	167
SHIPPING WEIGHT (LBS)	125	135	155	220	125	135	155	220
R410A CHARGE (oz)	33.5	32	48.1	65	38.9	44	48	65

NOTES:

Cooling Standards:

95°F DB/75°F WB outdoor, 80°F DB/67°F WB indoor

Heating Standards:

47°F DB/43°F WB outdoor, 70°F DB/60°F WB indoor

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

*Normal Value Wet Coil @ .1" ESP.



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