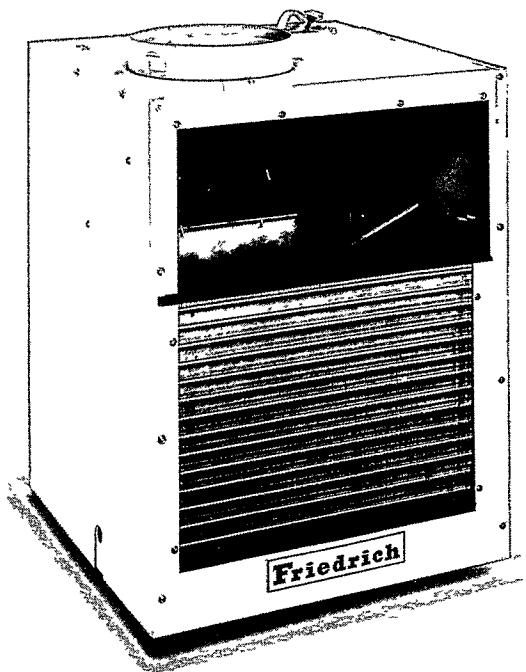


VERT-I-PAK™ SINGLE PACKAGE VERTICAL AIR CONDITIONER



VERT-I-PAK FEATURES

- ◆ Completely self contained unit.
- ◆ No refrigerant lines running from floor to floor.
- ◆ No outside condensing units, eliminating the need for external electrical wiring, landscaping and vandalism barriers.
- ◆ Compact and lightweight— weighs as little as 125 lbs.
- ◆ Ultra-quiet operation.
- ◆ Dual-speed fan switch.
- ◆ 10" crimped and beaded duct-collar ready to attach flex-duct.
- ◆ Easy installation; does not require HVAC technician.
- ◆ Quick-release power disconnect.
- ◆ Rustproof polystyrene base pan, shroud and condenser fan.
- ◆ Corrosion resistant interior.
- ◆ Easy to connect, left or right drain connections.
- ◆ Isolation feet resist vibration and allow unit to "float" within closet.
- ◆ Slinger ring condenser fan for maximum condensate disposal and energy efficiency.
- ◆ Remote thermostat-ready 24V transformer and quick disconnect wire harness.
- ◆ Available in heat pump or electric heat.
- ◆ Cooling mode freeze protection.
- ◆ Complete line of accessories.

Capacities available:

- 9,000 Btu/h
- 12,000 Btu/h
- 18,000 Btu/h

Friedrich®



VERT-I-PAK™

CHASSIS SPECIFICATIONS

MODELS:

V(E,H)A09K25 V(E,H)A09K34 V(E,H)A09K50 V(E,H)A12K25 V(E,H)A12K34 V(E,H)A12K50 V(E,H)A18K25 V(E,H)A18K34 V(E,H)A18K50

COOLING DATA :

Cooling Cap. (Btu/h)	9500/9300	9500/9300	9500/9300	11500/11300	11500/11300	11500/11300	17200/17000	17200/17000	17200/17000
Cooling Power (W)	950	950	950	1200	1200	1200	1911	1911	1911
SEER	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Water Removal (Pts/h)	2.1	2.1	2.1	2.8	2.8	2.8	4.0	4.0	4.0
Cooling SHR	0.77	0.77	0.77	0.76	0.76	0.76	0.75	0.75	0.75

ELECTRIC HEAT DATA :

Heater Size (KW)	2.5	3.4	5.0	2.5	3.4	5.0	2.5	3.4	5.0
Heating Cap. (Btu/h)	8500/7000	11600/9500	17000/13900	8500/7000	11600/9500	17000/13900	8500/7000	11600/9500	17000/13900
Heating Power (W)	2500/2050	3500/2780	5000/4090	2500/2050	3500/2780	5000/4520	2500/2050	3500/2780	5000/4520
Heating Current (A)	11.9/11.2	15.9/14.6	22.6/20.6	11.9/11.2	15.9/14.6	22.6/20.6	11.9/11.2	15.9/14.6	22.6/20.6

HEAT PUMP DATA :

Heating Cap. (Btu/h)	8000/7800	8000/7800	8000/7800	11200/11000	11200/11000	11200/11000	15700/15500	15700/15500	15700/15500
Heating Power (W)	950	950	950	1200	1200	1200	1830	1830	1830
Heating Current (A)	4.4/4.9	4.4/4.9	4.4/4.9	5.2/6.0	5.2/6.0	5.2/6.0	9.0/10.0	9.0/10.0	9.0/10.0
COP @ 47°F	3.0	3.0	3.0	3.0	3.0	3.0	2.4	2.4	2.4

ELECTRICAL DATA :

Voltage (V)	230/208	230/208	230/208	230/208	230/208	230/208	230/208	230/208	230/208
LRA - Comp. (A)	20	20	20	26.3	26.3	26.3	45	45	45
Cooling Current (A)	4.4/4.9	4.4/4.9	4.4/4.9	5.2/6.0	5.2/6.0	5.2/6.0	7.6	7.6	7.6
MIN. Ckt. Amps (A)	15	20	30	15	20	30	15	20	30
Power Connection	POWER CORD			POWER CORD			POWER CORD WITH OPTION TO HARD WIRE		

PHYSICAL DATA :

Refrigerant	R-22	R-22	R-22	R-22	R-22	R-22	R-22	R-22	R-22
Unit Width (in.)	23.125	23.125	23.125	23.125	23.125	23.125	23.125	23.125	23.125
Unit Depth (in.)	23.125	23.125	23.125	23.125	23.125	23.125	23.125	23.125	23.125
Unit Height* (in.)	32.25	32.25	32.25	32.25	32.25	32.25	32.25	32.25	32.25
Shipping Weight (lbs.)	125	125	125	135	135	135	155	155	155

AIR FLOW DATA :

Indoor CFM **	300	300	300	375	375	375	550	550	550
Fresh Air CFM**	60	60	60	60	60	60	60	60	60
Motor	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP	230V, 1/4 HP
Motor Amps**	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

*Height includes 2" high duct collar and 5/8" isolators under unit.

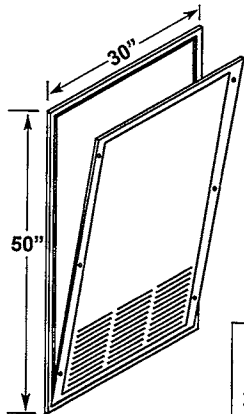
**Normal Value Dry Coil on High Speed @ .3" ESP.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

VERT-I-PAK™ MODEL IDENTIFICATION GUIDE

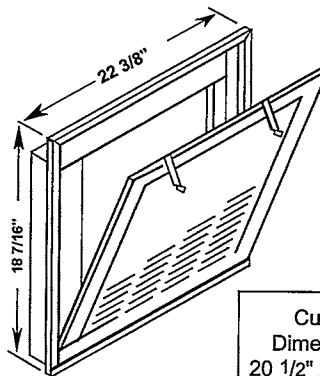
MODEL NUMBER	V	E	A	09	K	50	RT	A
SERIES	V=Vertical Series							ENGINEERING CODE
	E=Cooling with or without electric heat H=Heat Pump							CONTROL
DESIGN SERIES								RT= Remote Thermostat
NORMAL CAPACITY	09= 9,000 Btu/h 12= 12,000 Btu/h 18= 18,000 Btu/h							ELECTRIC HEATER SIZE (Nominal KW size) 00= no electric heat 25= 2.5 KW 34= 3.4KW 50= 5.0KW
VOLTAGE	K= 208/230V - 1PH - 60HZ							

ACCESSORIES



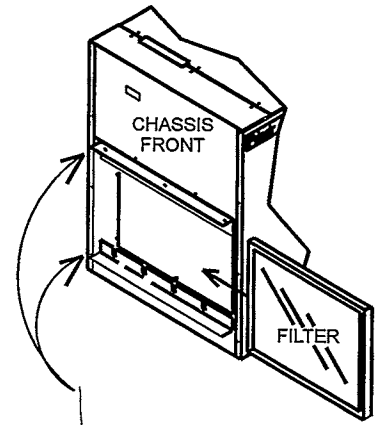
Cutout Dimension:
28 1/4" x 48 1/4"

VPRG1 RETURN AIR GRILLE WITH ACCESS PANEL (Option 1)

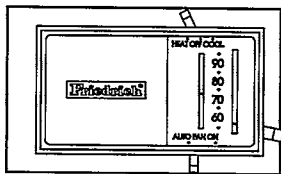


Cutout Dimension:
20 1/2" x 16 1/2"

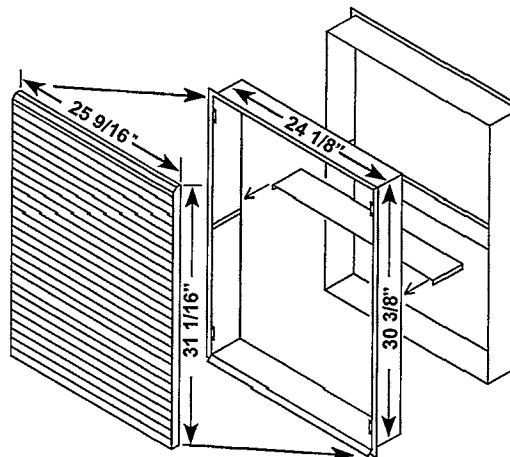
VPRG2 RETURN AIR GRILLE (Option 2)



VPFB1 CHASSIS FILTER BRACKETS (Option 3)



VPRT1 THERMOSTAT



Cutout Dimension:
24 5/8" x 30 7/8"

VPAL1 ARCHITECTURAL LOUVER

VPWP1 OR VPWP2 WALL PLENUMS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

STANDARD VERT-I-PAK™ ACCESSORIES

ITEM	DESCRIPTION	MODEL NO.
WALL PLENUM	Two-part sleeve that telescopes in and out from 4 1/2" – 8" in width. The wall plenum sits inside the exterior wall penetration. DIMENSIONS: 24 1/8" Width x 30 3/8" Height CUTOUT DIMENSIONS: 24 5/8" Width x 30 7/8" Height	VPWP1
	Same as VPWP1, but telescopes to a larger width, 8" – 14" as required. DIMENSIONS: 24 1/8" Width x 30 3/8" Height CUTOUT DIMENSIONS: 24 5/8" Width x 30 7/8" Height	VPWP2
ARCHITECTURAL LOUVER	Extruded aluminum grille that attaches to the outdoor section of the wall plenum. DIMENSIONS: 25 9/16" Width x 31 1/16" Height	VPAL1
RETURN AIR GRILLE/ ACCESS PANEL (Option 1)	Serves as an access panel to chassis and interior return air grille. A field-supplied (12" x 20") filter is mounted inside the grille. DIMENSIONS: 30" Width x 50" Height CUTOUT DIMENSIONS: 28 1/4" Width x 48 1/4" Height	VPRG1
RETURN AIR GRILLE (Option 2)	Interior return air grille that hinges to allow a field-supplied (16" x 20") filter to slip inside. Must be used when an access door/panel already exists in closet. DIMENSIONS: 22 3/8" Width x 18 7/16" Height CUTOUT DIMENSIONS: 20 1/2" Width x 16 1/2" Height	VPRG2
FILTER BRACKETS (Option 3)	Brackets allow field-supplied (16" x 20") filter to be attached directly to the unit's chassis.	VPFB1
THERMOSTAT	Honeywell 24 Volt wall mounted thermostat. (Single stage heat and cool.) 24 Volt transformer is factory installed into all chassis.	VPRT1



FRIEDRICH AIR CONDITIONING CO.
 Post Office Box 1540
 4200 N. PanAm Expressway
 San Antonio, Texas 78295-1540
 (210) 357-4400 FAX: (210) 357-4480