

|              |              |               |
|--------------|--------------|---------------|
| PURCHASER    | P.O. #       | DATE          |
| PROJECT      | LOCATION     |               |
| ENGINEER     | ARCHITECT    |               |
| SUBMITTED BY | FOR APPROVAL | FOR REFERENCE |

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING Btu | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|-------------|---------|-----------------|
|      |                  |          |             |         |                 |
|      |                  |          |             |         |                 |
|      |                  |          |             |         |                 |
|      |                  |          |             |         |                 |
|      |                  |          |             |         |                 |

**A-SERIES ACCESSORIES** (Wall Plenum and Outdoor Louver are required)

|   |     |  |  |     |  |
|---|-----|--|--|-----|--|
| VPAWP1-8 Adjustable Wall Plenum (5 ½"- 8")  | Qty |  | RT7 Wired Digital Wall Thermostat                          | Qty |  |
| VPAWP1-14 Adjustable Wall Plenum (8"-14")   | Qty |  | RT7P Wired Programmable Wall Thermostat                    | Qty |  |
| VPAL2 Architectural Louver  | Qty |  | WRT2 Wireless Digital Wall Thermostat                      | Qty |  |
| VPSC2 Architectural Louver (color matched)  | Qty |  | EMRTA/B4 Wired Thermostat with Occupancy Sensor            | Qty |  |
| VPASA1 Sleeve adapter for exact fit in existing First Company SPXR-series with small chassis VPAK | Qty |  | EMWRTA/B4 Wireless Thermostat with Occupancy Sensor        | Qty |  |
| VPRG4 Return Air Grille/Access Panel  | Qty |  | EMOCT4 Online Connection Kit                               | Qty |  |
| VPRG4R Access Panel (Right In-swing)  | Qty |  | EMRAF4 Remote Access Fee                                   | Qty |  |
| VPDP2 Drain Pan for VHA18 & VHA24   | Qty |  | VPFK0912-2 2 inch MERV 13 filter bracket for VHA09, VHA12  | Qty |  |
| APWR1 FreshAire® purifier features bi-polar ionization  | Qty |  | VPFK0912U 2-4 inch MERV 13 filter bracket for VHA09, VHA12 | Qty |  |
|   |     |  | VPFK1824-2 2 inch MERV 13 filter bracket for VHA18, VHA24  | Qty |  |
|   |     |  | VPFK1824U 2-4 inch MERV 13 filter bracket for VHA18, VHA24 | Qty |  |

**FEATURES**

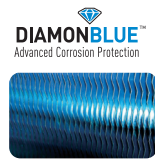
- Rated to SEER2 and HSPF2
- Higher indoor blower CFM
- Heat Pump operation down to 10°F
- Back up electric heat
- Active Defrost Cycle
- Lower breaker size than current models (in some cases)
- Rectangular conditioned air opening for all models
- Diamonblue™ Advanced Corrosion Protection on both the indoor and outdoor coils (summer 2024)
- 23 x 23 footprint
- R-32 refrigerant

**Active defrost**

- Short Defrost Cycle
- Electric Heat during Defrost Cycle

**Base pan heater**

- No condensate ice build up in colder conditions
- Continuous operation



18000 & 24000 BTU models use secondary gravity-fed drain (VPDP2).

# Vert-I-Pak<sup>®</sup> Specifications

| MODEL                              | VHA09K      | VHA09R      | VHA12K      | VHA12R      | VHA18K          | VHA18R          | VHA24K               | VHA24R               |
|------------------------------------|-------------|-------------|-------------|-------------|-----------------|-----------------|----------------------|----------------------|
| <b>COOLING DATA</b>                |             |             |             |             |                 |                 |                      |                      |
| 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                  |
| <b>HEATING DATA</b>                |             |             |             |             |                 |                 |                      |                      |
| 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               | 12,400               |
| 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 |
| <b>PHYSICAL</b>                    |             |             |             |             |                 |                 |                      |                      |
| 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                  |                      |
| <b>VENTILATION AIR</b>             |             |             |             |             |                 |                 |                      |                      |
| CFM                                | UP TO 60    |             |             |             |                 |                 |                      |                      |



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

NOTES:  
Test Ratings based on AHRI Standard 210/240-2023.

