

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		EMRT2 Wired Thermostat with Occupancy Sensor	Qty	
VPASA1 Sleeve adapter for exact fit in existing First Company SPXR-series with small chassis VPAK	Qty		EMWRT2 Wireless Thermostat with Occupancy Sensor	Qty	
VPRG4 Return Air Grille/Access Panel	Qty		EMOCT Online Connection Kit	Qty	
VPRG4R Access Panel (Right In-swing)	Qty		EMRAF 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	
UVT1 Germicidal UV light kit	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**

- Compatible with wired and wireless energy management systems
- Completely self-contained
- Vibration isolators mounted under the chassis mounting feet
- Unique free-floating chassis
- Quick connect condensate line
- Compressor is locked out when electric heat is called for or energized
- Integrated emergency heat override switch to allow the operation of the resistance heater in the event of compressor failure
- Standard safety power disconnect
- Electronic control panel on unit for easy diagnostics and servicing
- All units are shipped palletized with return air filter installed
- 24-volt remote thermostat ready
- 10" crimped and beaded duct-collar ready to attach flex duct
- Easy-to-connect, right or left drain connection
- Non-rigid plenum to chassis connection to isolate vibrations to the building
- Corrosion resistant interior
- Easy-to-install front, left, or right hand into closet
- Compact and lightweight, weighs as little as 125 lbs
- Two fan speed control from wall thermostat (RT7)
- Diamonblue Advanced Corrosion Protection® on the outdoor coil provides added endurance and protection in coastal or corrosive environments



# SPECIFICATIONS

Model	VHA09K	VHA09R	VHA12K	VHA12R	VHA18K	VHA18R	VHA24K	VHA24R
COOLING DATA								
Total COOLING Cap.	9300	9300	11500	11500	18400	18400	22500	22500
Sensible Cool Cap.	7440	7440	9085	9085	13430	13430	15750	15750
POWER (W)	845	845	1045	1045	1670	1670	2045	2045
EER	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
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
HEAT PUMP DATA								
REVERSE HEATING Btu	8300	8300	10600	10600	16700	16700	19500	19500
COP @ 47F	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
HEATING POWER (W)	730	730	940	940	1480	1480	1732	1732
HEATING CURRENT (A)	3.6	3.1	4.5	3.7	7.0	6.1	9.2	9.2
ELECTRICAL DATA								
VOLTAGE (1 PHASE, 60 Hz)	208-230	265	208-230	265	208-230	265	208-230	265
VOLT RANGE	197-253	239-292	197-253	239-292	197-253	239-292	197-253	239-292
COOLING CURRENT (A)	4.1	3.5	4.9	4.0	7.9	7.0	10.5	10.5
AMPS L.R	21.0	21.0	23.0	23.0	37.0	37.0	44.0	44.0
INDOOR MOTOR (HP)	1/4	1/4	1/4	1/4	1/4	1/4	1/5	1/5
INDOOR MOTOR (A)	1.2	1.2	1.2	1.2	0.42	0.42	1.4	1.4
OUTDOOR MOTOR (HP)	—	—	—	—	1/4	1/4	1/4	1/4
OUTDOOR MOTOR (A)	—	—	—	—	1.6	1.6	1.7	1.7
PHYSICAL								
DIMENSIONS (W x D x H)	23"x 23"x 32"	23"x 23"x 32"	23"x 23"x 32"	23"x 23"x 32"	23"x 23"x 47"	23"x 23"x 47"	23"x 23"x 52"	23"x 23"x 52"
NET WEIGHT (LBS)	142	144	147	149	190	192	225	227
SHIPPING WEIGHT (LBS)	164	166	169	171	216	218	251	253
TEST SETTING	Low	LOW	Low	LOW	LOW	LOW	Low	low
R410A CHARGE (OZ)	38.0	38.0	42.1	42.1	58.5	58.5	62	62
AIRFLOW DATA								
INDOOR CFM	Low	High	Low	High	Low	High	Low	High
.10" ESP	430	490	430	490	430	490	630	675
.15" ESP	410	470	410	470	410	470	595	640
.20" ESP	360	440	360	440	360	440	550	600
.25" ESP	310	400	310	400	310	400	505	550
.30" ESP	260	350	260	350	260	350	455	500
.35" ESP	-	-	-	-	-	-	400	445
.40" ESP	-	-	-	-	-	-	345	400
VENT CFM								
Up to " " CFM	60	60	60	60	60	60	60	60

## 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

Normal Value Wet Coil @ .1" ESP.

Rated CFM at Low Speed: VHA09....430 VHA12....430

VHA18....600 VHA24....655

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

