

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 1/2"- 8")	Qty	
VPAWP1-14 Adjustable Wall Plenum (8"-14")	Qty	
VPAL2 Architectural Louver	Qty	
VPSC2 Architectural Louver (color matched)	Qty	
VPASA1 Sleeve adapter for exact fit in existing First Company SPXR-series	Qty	
VPRG4 Return Air Grille/Access Panel	Qty	
VPRG4SD Solid Access Door Panel	Qty	
VPDP1 Drain Pan for all A Series 24,000 Btu	Qty	

RT7 Wired Digital Wall Thermostat	Qty	
RT7P Wired Programmable Wall Thermostat	Qty	
WRT1 Wireless Digital Wall Thermostat	Qty	
EMRT1 Wired Thermostat with Occupancy Sensor	Qty	
EMWRT1 Wireless Thermostat with Occupancy Sensor	Qty	
EMOCT Online Connection Kit	Qty	
EMRAF Remote Access Fee	Qty	
EMRHCF Energy Management Remote Humidity Control Fee	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


DIAMONBLUE
 Advanced Corrosion Protection®


9300 and 11500 Btu models



18400 and 22500 Btu models

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	2.5/3.4/5.0	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	LOW	HIGH	LOW	HIGH	Low	high	low	high
.10" ESP	430	490	430	490	430	490	430	490	630	675	630	675	660	700	660	700
.15" ESP	410	470	410	470	410	470	410	470	595	640	595	640	615	665	615	665
.20" ESP	360	440	360	440	360	440	360	440	550	600	550	600	575	625	575	625
.25" ESP	310	400	310	400	310	400	310	400	505	550	505	550	525	580	525	580
.30" ESP	260	350	260	350	260	350	260	350	455	500	455	500	485	540	485	540
.35" ESP	-	-	-	-	-	-	-	-	400	445	400	445	450	500	450	500
.40" ESP	-	-	-	-	-	-	-	-	345	400	345	400	415	465	415	465
VENT CFM																
Up to " " CFM	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

★ ASHRAE 90.1-2013 Compliant Model

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....420 VHA12....420
 VHA18....420 VHA24....610

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

