

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	
VPDP1 Drain Pan for all A Series 24,000 Btu	Qty	
RT6 Wired Digital 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	

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
- No refrigerant lines running from floor to floor
- 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
- R-410A refrigerant
- 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 (RT6)
- Diamonblue™ advanced corrosion protection on the outdoor coil provides added endurance and protection in coastal or corrosive environments


DIAMONBLUE™
 Advanced Corrosion Protection



9200, 11500 and 18000 Btu models



23000 Btu model

Specifications

Model	VEA09K	VEA12K	VEA18K	VEA24K	VHA09K	VHA09R	VHA12K	VHA12R	VHA18K	VHA24K
COOLING DATA										
COOLING Btu	9000/8600	11500/11200	17000/16500	23000/22700	9000/8600	8900	11500/11200	12000	17000/16800	23000/22800
POWER (W)	857/819	1174/1143	1889/1833	2421/2389	857/819	908	1186/1155	1224	1868/1846	2527/2505
EER	10.5/10.5	9.8/9.8	9.0/9.0	9.5/9.5	10.5/10.5	9.8	9.7/9.7	9.8	9.1/9.1	9.1/9.1
SENSIBLE HEAT RATIO	0.74	0.74	0.70	0.70	0.74	0.74	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	2.5/3.4/5.0	2.5/3.4/5.0/7.5/10.0
HEAT PUMP DATA										
HEATING Btu	—	—	—	—	8200/8000	8700	10800/10600	11500	16000/15000	20000/20000
COP @ 47F	—	—	—	—	3.0/3.0	3.0	3.0/3.0	3.0	3.0/3.0	3.0/3.0
HEATING POWER (W)	—	—	—	—	801/782	850	1055/1035	1123	1560/1540	1953/1953
HEATING CURRENT (A)	—	—	—	—	3.6/3.9	3.4	4.5/4.7	4.4	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	265	230/208	265	230/208	230/208
VOLT RANGE	253-197	253-197	253-197	253-197	253-197	253-198	253-197	253-198	253-197	253-197
COOLING CURRENT (A)	4.0/4.3	5.2/5.4	8.1/8.6	10.0/10.4	4.0/4.3	3.6	5.3/5.5	5.0	8.2/8.6	10.6/10.9
AMPS L.R	21.0	29.5	42.0	46	21.0	16.5	29.5	23.5	42.0	46.0
AMPS F.L.	3.5	4.5	7.8	9.5	3.5	3.1	5.0	4.3	7.8	9.5
INDOOR MOTOR (HP)	1/4	1/4	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	1.08	1.2	1.08	1.2	1.94
OUTDOOR MOTOR (HP)	—	—	—	1/4	—	—	—	—	—	1/4
OUTDOOR MOTOR (A)	—	—	—	0.85	—	—	—	—	—	0.85
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 47"	23" x 23" x 32"	23x23x32	23" x 23" x 32"	23x23x32	23" x 23" x 32"	23" x 23" x 47"
NET WEIGHT (LBS)	114	124	144	167	114	114	125	124	144	167
SHIPPING WEIGHT (LBS)	125	135	155	220	125	125	135	135	155	220
TEST SETTING	Low	Low	High	Low	Low	Low	Low	Low	High	Low
R410A CHARGE (OZ)	41.5	32	48.1	65	38	39	39	37	48	65
AIRFLOW DATA										
INDOOR CFM*	Low	High	Low	High	Low	High	Low	High	Low	High
.10" ESP.10" ESP	405	450	420	450	400	480	610	700	420	450
.15" ESP.10" ESP	375	420	405	425	375	465	585	670	405	425
.20" ESP.10" ESP	345	385	385	400	350	450	560	640	385	400
.25" ESP.10" ESP	325	365	355	375	330	390	535	610	355	375
.30" ESP.10" ESP	305	340	320	350	310	330	510	580	320	350
VENT CFM	60	60	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: VEA09/VHA09....325 VHA12/VEA12....390 VEA18/VHA18....400 VEA24/VHA24....610



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



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