

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)

VPASP1-8 Adjustable Wall Plenum (5 1/2" - 8")	Qty	
VPASP1-14 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™

 9000, 12000 and
 17000 Btu models


23000 Btu model

Specifications

Model	VEA09K	VEA12K	VEA18K	VEA24K	VHA09K	VHA09R	VHA12K	VHA12R	VHA18K	VHA18R	VHA24K	VHA24R	
COOLING DATA													
COOLING Btu	9000/9000	12000/12000	17000/16500	23000/22700	9000/9000	9000	12000/12000	12000	17000/16800	16800	23000/22800	22500	
POWER (W)	840/840	1145/1120	1890/1835	2420/2390	855/855	855	1165/1165	1190	1870/1845	1845	2525/2505	2475	
EER	10.7/10.7	10.5/10.7	9.0/9.0	9.5/9.5	10.5/10.5	10.5	10.3/10.3	10.1	9.1/9.1	9.1	9.1/9.1	9.1	
SENSIBLE HEAT RATIO	0.77	0.74	0.70	0.70	0.77	0.77	0.75	0.77	0.70	0.70	0.70	0.70	
HEATER SIZE (kW)	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4/5.0/7.5/10.0	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	2.5/3.4/5.0/7.5/10.0	2.5/3.4/5.0/7.5/10.0	
HEAT PUMP DATA													
HEATING Btu	—	—	—	—	8480/8400	8650	11500/11200	11000	16000/15000	15900	20000/20000	20000	
COP @ 47F	—	—	—	—	3.0/3.1	3.0	3.0/3.1	3.0	3.0/3.0	3.0	3.0/3.0	3.0	
HEATING POWER (W)	—	—	—	—	830/795	845	1125/1060	1075	1560/1540	1550	1953/1953	1950	
HEATING CURRENT (A)	—	—	—	—	3.7/3.9	3.2	4.8/5.0	4.1	7.5/8.2	6.5	8.5/9.4	8.1	
ELECTRICAL DATA													
VOLTAGE (1 PHASE, 60 Hz)	230/208	230/208	230/208	230/208	230/208	265	230/208	265	230/208	265	230/208	265	
VOLT RANGE	253-197	253-197	253-197	253-197	253-197	292/239	253-197	292/239	253-197	292-239	253-197	292-239	
COOLING CURRENT (A)	3.9/4.2	5.1/5.4	8.1/8.6	10.0/10.4	3.8/3.9	3.8	5.3/5.6	4.7	8.2/8.6	6.9	10.9/10.6	9.7	
AMPS L.R	21.0	29.5	42.0	46.0	21.0	21.0	30.0	30.0	42.0	42.0	46.0	46.0	
AMPS F.L.	3.5	4.7	7.8	9.5	3.5	3.5	4.8	4.8	7.8	7.8	9.5	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	1/4	1/4	
INDOOR MOTOR (A)	1.2	1.2	1.2	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.9	1.8	
OUTDOOR MOTOR (HP)	—	—	—	1/4	—	—	—	—	—	—	1/4	1/4	
OUTDOOR MOTOR (A)	—	—	—	0.85	—	—	—	—	—	—	0.85	0.9	
PHYSICAL													
DIMENSIONS (W x D x H)	23"x23"x32"	23"x23"x32"	23"x23"x32"	23"x23"x47"	23"x23"x32"	23x23x32	23"x23"x32"	23x23x32	23"x23"x32"	23"x23"x32"	23"x23"x47"	23"x23"x47"	
NET WEIGHT (LBS)	114	124	144	167	114	114	125	124	144	165	167	187	
SHIPPING WEIGHT (LBS)	125	135	155	220	125	125	136	135	155	176	220	240	
TEST SETTING	Low	Low	High	Low	Low	LOW	Low	LOW	High	HIGH	Low	low	
R410A CHARGE (OZ)	41.5	45	48.1	65	38	39	39.5	37	48	48	65	65	
AIRFLOW DATA													
INDOOR CFM	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High	LOW HIGH	Low High	Low high
.10" ESP.10" ESP	405 450	420 450	400 480	610 700	420 450	420 450	420 450	390 450	400 480	400 480	610 700	610 700	
.15" ESP.10" ESP	375 420	405 425	375 465	585 670	405 425	405 425	405 425	375 425	375 465	375 465	585 670	585 670	
.20" ESP.10" ESP	345 385	385 400	350 450	560 640	385 400	385 400	385 400	350 400	350 450	350 450	560 640	560 640	
.25" ESP.10" ESP	325 365	355 375	330 390	535 610	355 375	355 375	355 375	325 375	330 390	330 390	535 610	535 610	
.30" ESP.10" ESP	305 340	320 350	310 330	510 580	320 350	320 350	320 350	320 350	310 330	310 330	510 580	510 580	
VENT CFM	60	60	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 VEA12/VHA12....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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