

# SE032

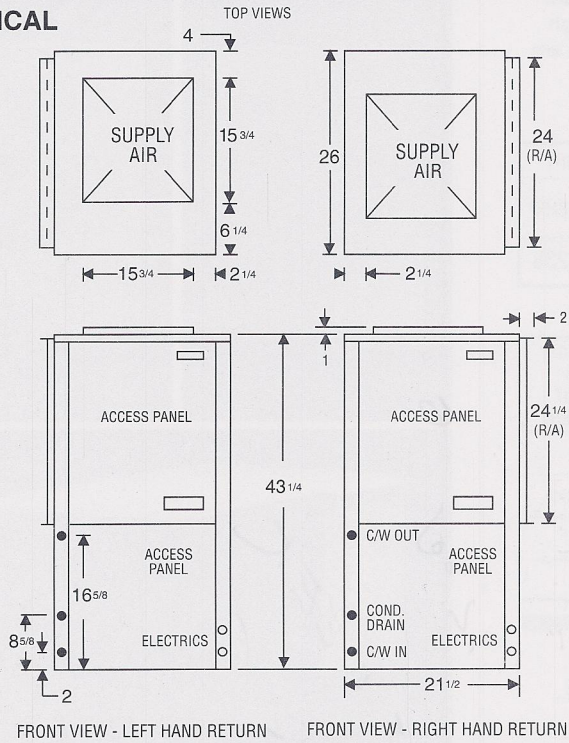
SUPER EFFICIENCY

## BLOWER PERFORMANCE

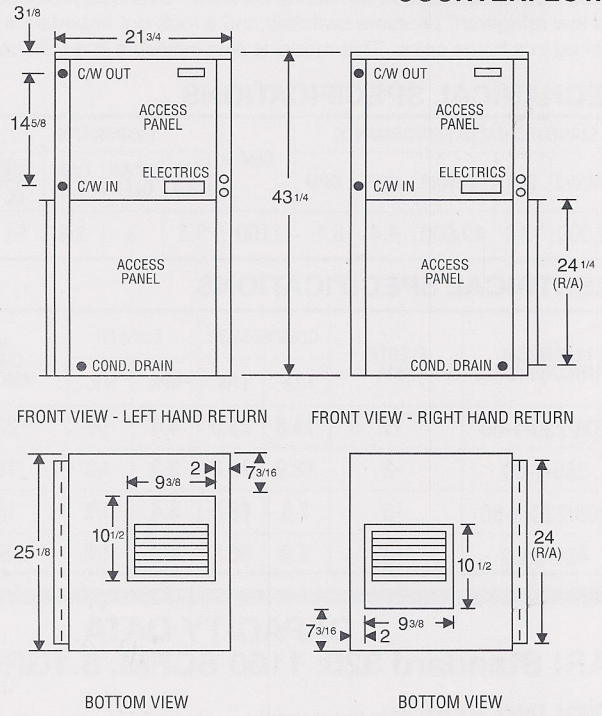
AVAILABLE EXTERNAL STATIC PRESSURE (In. H <sub>2</sub> O including allowance for wet coil and filter)												
FAN SPEED	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.0	1.1	1.2
HIGH	1390	1320	1250	1190	1100	1000	890	800	-	-	-	-
MED.	1280	1200	1160	1070	1000	890	-	-	-	-	-	-
LOW	1100	1050	1000	925	800	-	-	-	-	-	-	-

## PHYSICAL CHARACTERISTICS

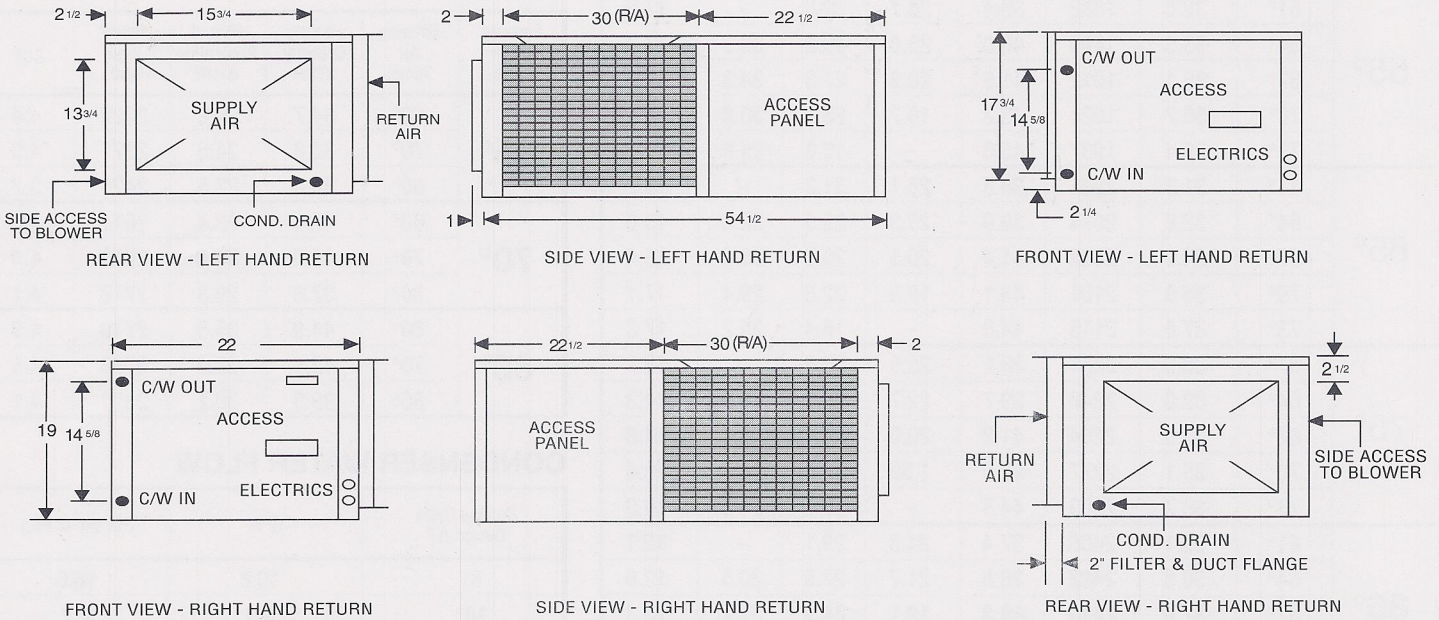
### VERTICAL



### COUNTERFLOW



### HORIZONTAL



### OPTIONAL STRAIGHT-THRU AIR CONFIGURATION

CONDENSER WATER CONNECTIONS: 3/4" F.P.T.  
CONDENSATE DRAIN CONNECTION: 3/4" F.P.T.  
FILTER SIZE: VT, CF 24" X 24" X 1" ; HZ 17 1/2" X 30" X 1"

As a result of continuing research and development, all ratings and specifications are subject to change without notice. Rev. 12/94



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# FHP SPECIFICATION DATA SHEET

FLORIDA HEAT PUMP HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS

# SE032

SUPER EFFICIENCY

Units are complete packages containing all refrigeration components: compressor, reversing valve, capillary tube metering device and water-to-refrigerant condenser. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and a lock-out impedance relay. The units are finished in a beige color. This model is also available in a split configuration.

## MECHANICAL SPECIFICATIONS

STANDARD RATED PERFORMANCE					CFM	EVAPORATOR				BLOWER	WEIGHT	
COOLING	EER	HEATING	COP	GPM		FACE AREA	ROWS DEEP	TUBE SIZE	FINS PER IN.		NET	SHIP
32,000	13.1	40,000	4.4	8.1	1100	3.5	3	3/8	14	9X7	228	238

## ELECTRICAL SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	ELECTR. SYM.	COMPRESSOR		BLOWER		MIN. CIRCUIT AMPACITY	FUSE (T/D) HACR CIRCUIT BREAKER
		RLA	LRA	NPA	H.P.		
208/230-1-60	-1	14.8	73.0	4.4	1/2	22.9	35
265-1-60	-2	12.9	72.0	3.3	1/2	19.5	30
208/230-3-60	-3	7.8	68.0	4.4	1/2	14.2	20
460-3-60	-4	3.9	36.0	1.8	1/2	6.7	15

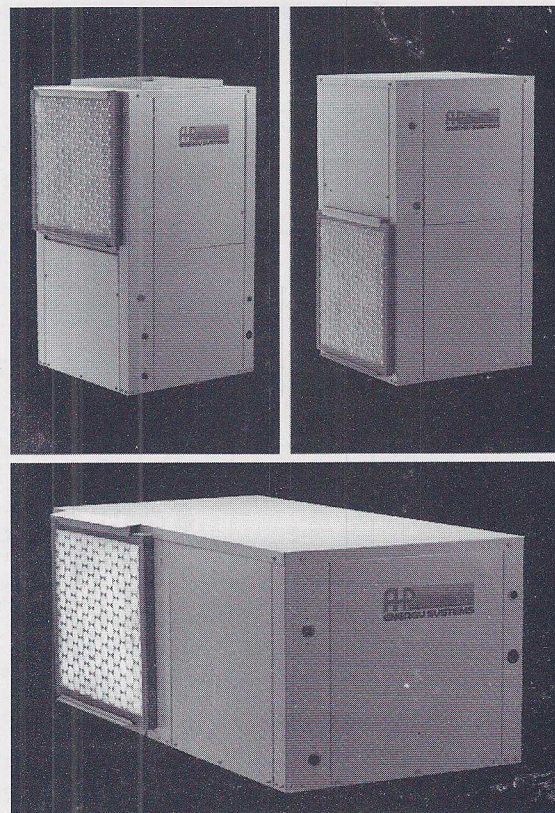
## CAPACITY DATA

ARI Standard 320: 1100 SCFM, 8.1GPM/9.7' P.D.

### COOLING (All BTUH in thousands)

Entering Water Temp.	Ent. Air Wet Bulb Temp.	Total Capacity BTUH	Watts Input	Heat Rejection BTUH	Sensible Capacity BTUH Ent. Air Dry Bulb °F			EER
					75°	80°	85°	
55°	61°	32.0	1888	38.4	26.7	32.0	-	17.0
	64°	33.5	1899	40.0	23.8	30.2	33.5	17.7
	67°	35.1	1912	41.6	20.9	27.3	34.3	18.4
	70°	36.7	1924	43.3	16.7	23.1	30.0	19.1
	73°	38.4	1937	45.0	-	18.8	25.8	19.9
65°	61°	31.3	2061	38.3	26.1	31.3	-	15.2
	64°	32.8	2074	39.9	23.3	29.5	32.8	15.8
	67°	34.3	2088	41.4	20.5	26.7	33.5	16.4
	70°	35.9	2101	43.1	16.3	22.6	29.4	17.1
	73°	37.6	2115	44.8	-	18.4	25.2	17.8
75°	61°	30.6	2234	38.2	25.5	30.6	-	13.7
	64°	32.0	2248	39.7	22.7	28.9	32.0	14.3
	67°	33.5	2264	41.2	20.0	26.1	32.8	14.8
	70°	35.1	2277	42.9	1.59	22.0	28.7	15.4
	73°	36.7	2293	44.5	-	18.0	24.6	16.0
85°	61°	29.1	2408	37.4	24.3	29.1	-	12.1
	64°	30.5	2422	38.8	21.7	27.5	30.5	12.6
	67°	<b>32.0</b>	<b>2440</b>	<b>40.3</b>	19.1	<b>24.9</b>	31.2	<b>13.1</b>
	70°	33.5	2454	41.9	15.2	21.0	27.4	13.7
	73°	35.0	2471	43.5	-	17.1	23.5	14.2
95°	61°	26.6	2579	35.4	22.2	26.6	-	10.3
	64°	27.8	2594	36.7	19.8	25.1	27.8	10.8
	67°	29.1	2613	38.1	17.4	22.7	28.5	11.2
	70°	30.5	2628	39.5	13.8	19.2	24.9	11.6
	73°	31.9	2647	41.0	-	15.6	21.4	12.1

BOLD DATA ARE AT ARI STANDARD 320 RATING CONDITIONS.



### HEATING

Entering Water Temp.	Entering Air Temp.	Heating Capacity BTUH	Heat of Absorption BTUH	Power Input Watts	COP
55°	60°	34.7	26.8	2329	4.4
	70°	32.8	24.6	2377	4.0
	80°	30.8	22.5	2424	3.7
70°	60°	42.4	33.4	2611	4.8
	70°	<b>40.0</b>	<b>30.9</b>	<b>2665</b>	<b>4.4</b>
	80°	37.6	28.3	2718	4.1
80°	60°	44.9	35.6	2710	4.9
	70°	42.4	32.9	2766	4.5
	80°	39.8	30.2	2821	4.1

### CONDENSER WATER FLOW

Cooling Cycle Design ΔT	GPM	P.D. (Ft. of Hd.)
8°	10.6	16.6
10°	<b>8.1</b>	<b>9.7</b>
12°	6.4	6.1
14°	6.0	5.3
16°	5.1	3.8

