

SE063

SUPER EFFICIENCY

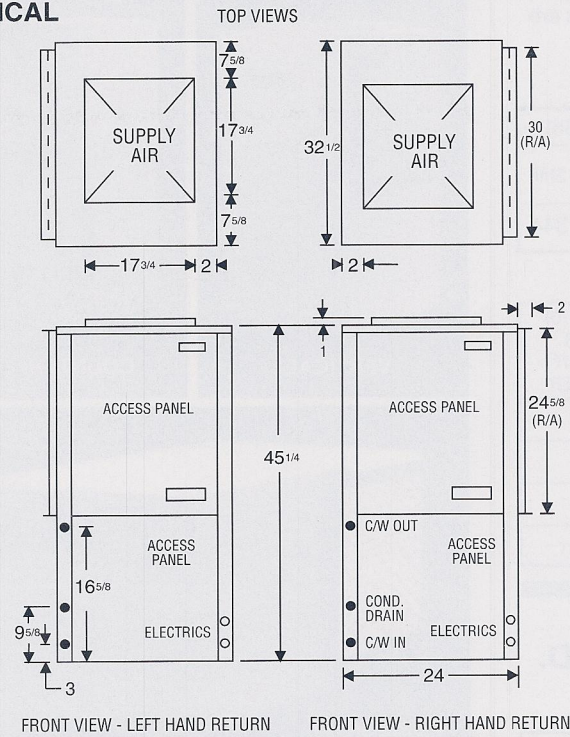
BLOWER PERFORMANCE

Note: 575 Volt models available in high speed only.

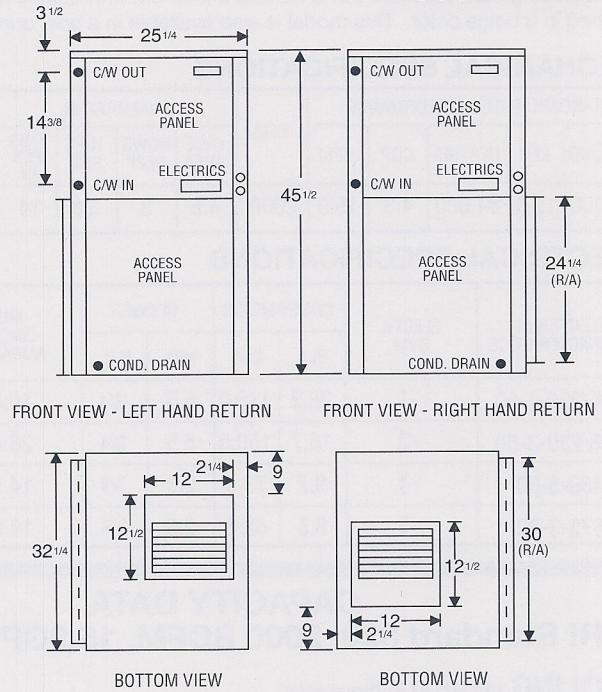
AVAILABLE EXTERNAL STATIC PRESSURE (In. H ₂ O including allowance for wet coil and filter)												
FAN SPEED	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.0	1.1	1.2
HIGH	2160	2090	2030	1960	1870	1800	1730	1680	1640	1600	1550	1500
MED.	2110	2040	1990	1910	1820	1760	1690	1630	1600	-	-	-
LOW	2060	1990	1950	1860	1760	1710	1640	-	-	-	-	-

PHYSICAL CHARACTERISTICS

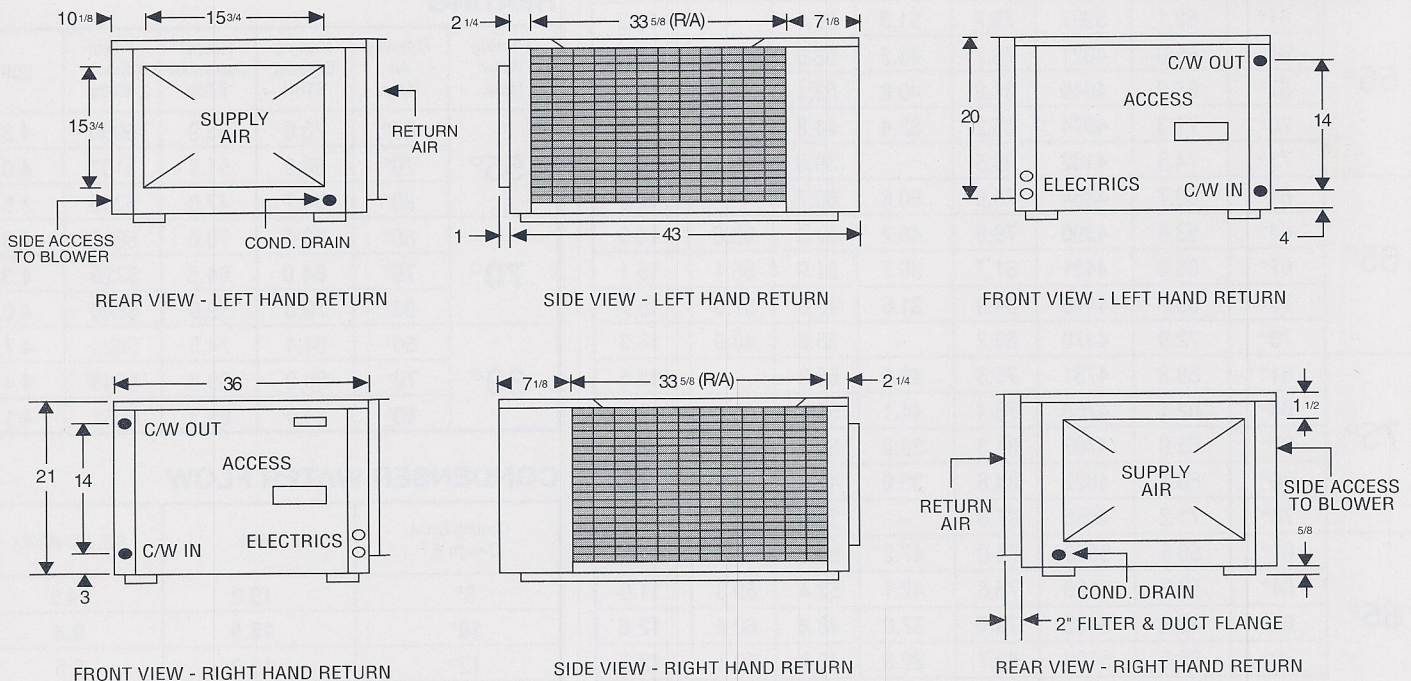
VERTICAL



COUNTERFLOW



HORIZONTAL



a HARROW company

FHP MANUFACTURING
601 N.W. 65th COURT
 FT. LAUDERDALE, FL 33309
 PHONE: (305) 776-5471
 FAX: (305) 776-5529

CONDENSER WATER CONNECTIONS: 1" F.P.T.
 CONDENSATE DRAIN CONNECTION: 3/4" F.P.T.
 FILTER SIZE: VT, CF 24" X 30" X 1" ; HZ 19 1/2" X 35" 1"

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

Rev. 6/93

FHP SPECIFICATION DATA SHEET

FLORIDA HEAT PUMP HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS

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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
62,000	12.0	84,000	4.3	15.9	2000	4.5	3	3/8	14	11X9	324	344

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	28.2	135.0	5.5	3/4	40.8	60
208/230-3-60	-3	16.7	150.0	5.5	3/4	26.4	40
460-3-60	-4	9.7	73.0	2.8	3/4	14.9	20
575-3-60	-5	6.5	62.0	2.6	3/4	10.8	15

CAPACITY DATA

ARI Standard 320: 2000 SCFM, 15.9GPM/9.4' P.D.

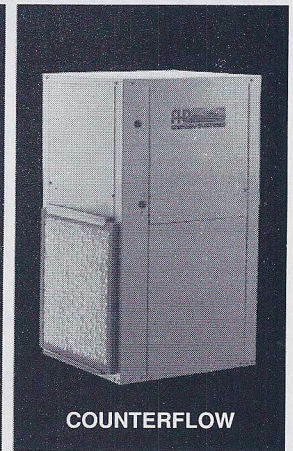
COOLING (All BTUH in thousands)

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°	62.1	3997	75.7	51.8	62.1	-	15.5
	64°	65.0	4021	78.7	46.2	58.6	65.0	16.2
	67°	68.0	4049	81.8	40.6	53.1	66.5	16.8
	70°	71.3	4074	85.2	32.4	44.8	58.3	17.5
65°	73°	74.5	4102	88.5	-	36.6	50.0	18.2
	61°	60.7	4364	75.6	50.6	60.7	-	13.9
	64°	63.6	4390	78.6	45.2	57.3	63.6	14.5
	67°	66.6	4421	81.7	39.7	51.9	65.1	15.1
75°	70°	69.7	4448	84.9	31.6	43.8	57.0	15.7
	73°	72.9	4479	88.2	-	35.8	48.9	16.3
	61°	59.3	4731	75.5	49.5	59.3	-	12.5
	64°	62.1	4760	78.4	44.1	56.0	62.1	13.0
85°	67°	65.0	4793	81.3	38.8	50.7	63.6	13.6
	70°	68.1	4822	84.6	30.9	42.8	55.6	14.1
	73°	71.2	4855	87.8	-	34.9	47.8	14.7
	61°	56.6	5098	74.0	47.2	56.6	-	11.1
95°	64°	59.3	5129	76.8	42.1	53.4	59.3	11.6
	67°	62.0	5165	79.6	37.0	48.4	60.6	12.0
	70°	65.0	5196	82.7	29.5	40.8	53.1	12.5
	73°	68.0	5232	85.8	-	33.0	45.6	13.0
95°	61°	51.6	5460	70.3	43.0	51.6	-	9.5
	64°	54.1	5493	72.8	38.4	48.7	54.1	9.8
	67°	56.5	5532	75.4	33.8	44.1	56.4	10.2
	70°	59.3	5565	78.3	26.9	37.2	49.5	10.6
73°	62.2	5601	81.4	-	29.7	42.0	11.1	

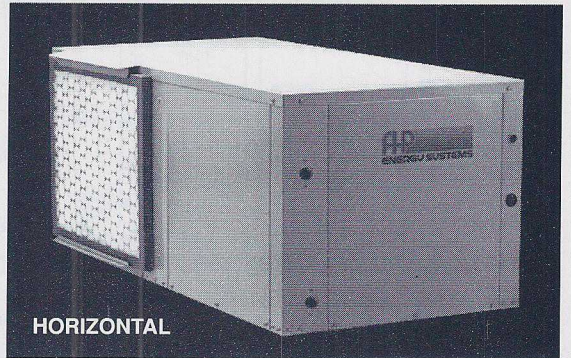
BOLD DATA ARE AT ARI STANDARD 320 RATING CONDITIONS.



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HEATING

Entering Water Temp.	Entering Air Temp.	Heating Capacity BTUH	Heat of Absorption BTUH	Power Input Watts	COP
55°	60°	73.0	55.9	5005	4.3
	70°	68.9	51.5	5107	4.0
	80°	64.7	47.0	5209	3.6
70°	60°	89.0	70.0	5611	4.6
	70°	84.0	64.5	5725	4.3
	80°	79.0	59.0	5840	4.0
80°	60°	94.4	74.5	5824	4.7
	70°	89.0	68.8	5943	4.4
	80°	84.0	63.3	6058	4.1

CONDENSER WATER FLOW

Cooling Cycle Design ΔT	GPM	P.D. (Ft. of Hd.)
8°	19.9	14.5
10°	15.9	9.4
12°	13.3	6.6
14°	11.4	4.9
16°	10.0	3.6

