

FLP SPECIFICATION DATA SHEET

FLORIDA HEAT PUMP HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS

SL080

SUPER LO-TEMP

ELECTRICAL SPECIFICATIONS

Electrical Characteristics	Elect. Sym.	Compressor, each		Blower		Min. Circuit Amp-acity	Fuse (T/D) HACR Cir. Bkr.
		RLA	LRA	NPA	H.P.		
208/230-1-60	-1	15.4	81.0	7.5	1.0	42.2	50
208/230-3-60	-3	10.3	70.0	3.6	1.0	26.8	35
460-3-60	-4	5.2	30.0	1.8	1.0	13.5	15
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Dual circuits feature 2-stage operation. Complete package includes 2 each compressors, reversing valves, expansion valve metering devices and water-to-refrigerant condensers. Contains safety controls: overload motor protection, high and low refrigerant pressure switches and a lock-out impedance relay. Beige finish.

MECHANICAL SPECIFICATIONS

EVAPORATOR				BLOWN. SIZE	WEIGHT	
SQUARE FEET	ROWS DEEP	TUBE SIZE	FPI		NET	SHIP
7.0	2	3/8	14	12 x 12	590	635



ARI/CSA PERFORMANCE DATA

COOLING (ARI 325 CERTIFIED)				HEATING (ARI 325 CERTIFIED)				ARI 330/CSA-C446 CERTIFIED							
HIGH TEMP		LOW TEMP		GPM	HIGH TEMP		LOW TEMP		GPM	COOLING			HEATING		
BTUH	EER	BTUH	EER		BTUH	COP	BTUH	COP		BTUH	EER	GPM	BTUH	COP	GPM
79,000	13.1	87,000	16.4	13.0	90,000	3.8	67,000	3.3	13.0	74,000	13.0	13.0	51,000	3.1	13.0

CAPACITY DATA: All performance at 2300 CFM (ARI Rated CFM)

EWT °F	GPM	COOLING										HEATING				
		Ent. Air W.B., °F	Total BTUH	Watts Input	Heat Rej. BTUH	Sensible BTUH, at ent. air dry bulb, °F			EER	WPD Ft. Hd.	Ent. Air D.B., °F	Htg. BTUH	Heat of Absorp. BTUH	Watts Input	COP	
						75	80	85								
45	10	63	80.4	4171	97.4	61.6	77.5	—	19.3	4.7	60	64.5	48.2	4772	4.0	
		67	85.4	4201	102.7	52.1	68.0	85.2	20.3		70	60.9	43.6	4839	3.6	
		71	90.9	4244	108.5	27.6	53.8	71.1	21.4		80	57.1	40.8	4920	3.4	
	13	63	83.5	4059	97.4	62.7	78.9	—	20.6	7.5	60	66.3	50.3	4756	4.1	
		67	88.7	4096	102.7	53.0	69.2	86.8	21.7		70	62.6	46.0	4853	3.8	
		71	94.4	4130	108.5	28.1	54.8	72.4	22.9		80	59.5	42.6	4940	3.5	
	16	63	86.7	3947	97.4	63.8	80.3	—	22.0	11.0	60	67.8	51.8	4742	4.2	
		67	92.1	3983	102.7	53.9	70.5	88.4	23.1		70	63.9	47.4	4839	3.9	
		71	97.9	4015	108.5	28.6	55.8	73.7	24.4		80	60.9	44.0	4926	3.6	
50	10	63	78.8	4410	96.6	60.4	75.9	—	17.9	4.7	60	69.1	52.2	4963	4.1	
		67	83.7	4450	101.8	51.0	66.6	83.6	18.8		70	64.2	47.2	4972	3.8	
		71	89.1	4487	107.5	27.1	52.8	69.7	19.9		80	61.3	43.6	5165	3.5	
	13	63	81.9	4291	96.8	61.5	77.4	—	19.1	7.5	60	71.0	54.4	4946	4.2	
		67	87.0	4330	101.8	52.0	67.9	85.1	20.1		70	67.0	49.8	5047	3.9	
		71	92.6	4366	107.5	27.6	53.8	71.0	21.2		80	63.0	45.4	5148	3.6	
	16	63	85.0	4172	96.6	62.6	78.8	—	20.4	11.0	60	72.9	56.1	4930	4.3	
		67	90.3	4210	101.8	52.9	69.1	86.6	21.4		70	69.9	52.4	5123	4.0	
		71	96.0	4245	107.5	28.1	54.7	72.3	22.6		80	64.7	47.2	5131	3.7	
60	10	63	75.3	4795	94.2	57.4	72.9	—	15.7	4.7	60	78.0	58.7	5654	4.0	
		67	79.9	4839	99.1	48.7	63.6	79.9	16.5		70	73.6	53.9	5769	3.7	
		71	85.1	4878	104.6	25.2	50.2	67.1	17.4		80	69.1	49.1	5886	3.4	
	13	63	78.3	4665	94.2	58.4	74.3	—	16.8	7.5	60	80.1	60.9	5637	4.2	
		67	83.0	4707	99.1	49.6	64.7	82.0	17.6		70	75.6	56.0	5752	3.9	
		71	88.4	4747	104.6	25.7	51.1	68.4	18.6		80	71.1	51.0	5867	3.5	
	16	63	81.2	4536	94.2	59.4	75.6	—	17.9	11.0	60	82.3	63.1	5620	4.3	
		67	86.1	4579	99.1	50.5	65.9	83.5	18.8		70	77.6	58.1	5734	4.0	
		71	91.7	4616	104.6	26.2	52.1	69.6	19.9		80	73.0	53.0	5847	3.7	
70	10	63	71.6	5182	91.6	54.8	69.0	—	13.8	4.7	60	90.6	71.2	5695	4.7	
		67	76.0	5229	96.4	46.4	60.5	75.9	14.5		70	85.5	65.7	5811	4.3	
		71	80.9	5272	101.6	24.6	47.9	63.3	15.3		80	80.4	60.1	5927	4.0	
	13	63	74.4	5042	91.6	55.8	70.2	—	14.8	7.5	60	95.4	71.2	5695	4.7	
		67	79.0	5088	96.4	47.2	61.6	77.2	15.5		70	90.0	69.8	5930	4.4	
		71	84.1	5130	101.6	25.6	48.8	64.5	16.4		80	84.6	64.0	6048	4.1	
	16	63	77.2	4902	91.6	56.8	71.5	—	15.7	11.0	60	100.2	79.9	5927	5.0	
		67	82.0	4947	96.4	48.1	62.7	78.6	16.6		70	94.5	73.9	6048	4.6	
		71	87.2	4988	101.6	25.5	49.7	65.6	17.5		80	88.8	67.9	6169	4.2	
85	10	63	63.1	5862	85.1	48.0	61.3	—	10.8	4.7	—	—	—	—	—	
		67	66.9	5916	89.2	40.8	53.3	66.9	11.3		—	—	—	—	—	
		71	71.3	5964	93.9	21.0	42.0	56.4	12.0		—	—	—	—	—	
	13	63	65.6	5704	85.1	48.9	62.4	—	11.5	7.5	—	—	—	—	—	
		67	69.5	5757	89.2	41.5	54.2	68.9	12.1		—	—	—	—	—	
		71	74.0	5804	93.9	21.3	42.8	57.4	12.8		—	—	—	—	—	
	16	63	68.0	5546	85.1	49.8	63.5	—	12.3	11.0	—	—	—	—	—	
		67	72.1	5597	89.2	42.3	55.2	70.1	12.9		—	—	—	—	—	
		71	76.8	5643	93.9	21.7	43.6	58.5	13.6		—	—	—	—	—	
100	10	63	55.8	6541	79.7	41.7	55.0	—	8.5	4.7	—	—	—	—	—	
		67	58.8	6604	83.1	35.9	46.8	58.8	8.9		—	—	—	—	—	
		71	62.8	6656	87.4	17.0	36.6	51.0	9.4		—	—	—	—	—	
	13	63	57.9	6364	79.7	42.5	56.0	—	9.1	7.5	ALL BTUH ARE THOUSANDS					
		67	61.1	6426	83.1	36.5	47.7	61.1	9.5							
		71	65.2	6477	87.4	17.3	37.3	51.2	10.1							
	16	63	60.1	6188	79.7	43.3	57.0	—	9.7	11.0	—	—	—	—	—	
		67	63.1	6248	83.1	37.2	48.5	63.4	10.1		—	—	—	—	—	
		71	67.7	6297	87.4	17.7	37.9	52.9	10.7		—	—	—	—	—	

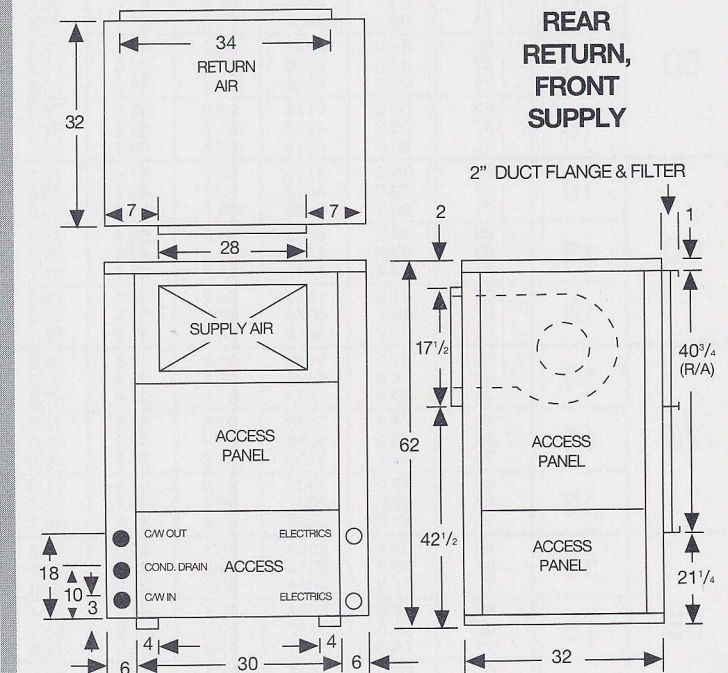
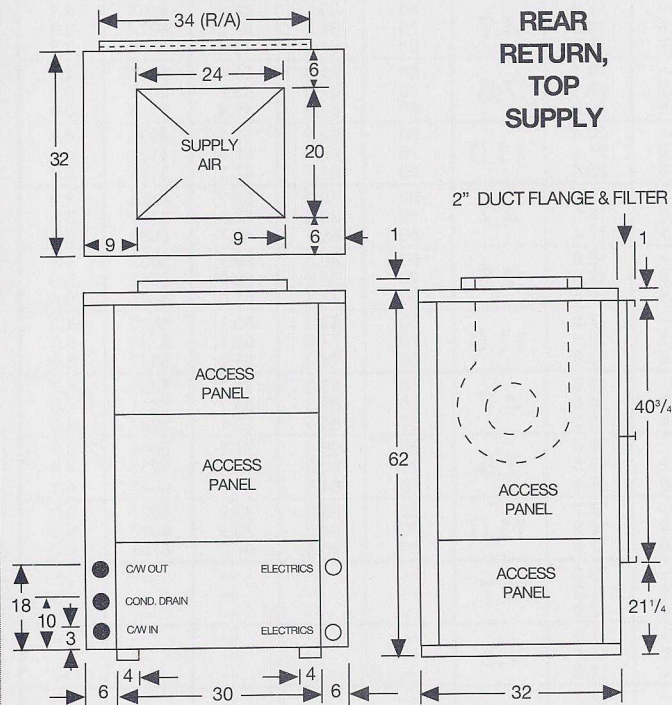
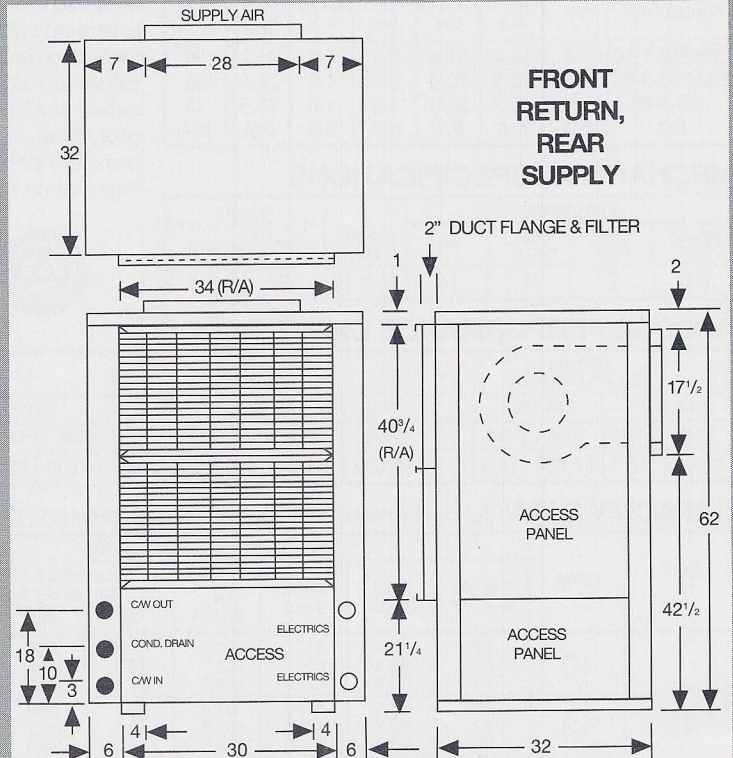
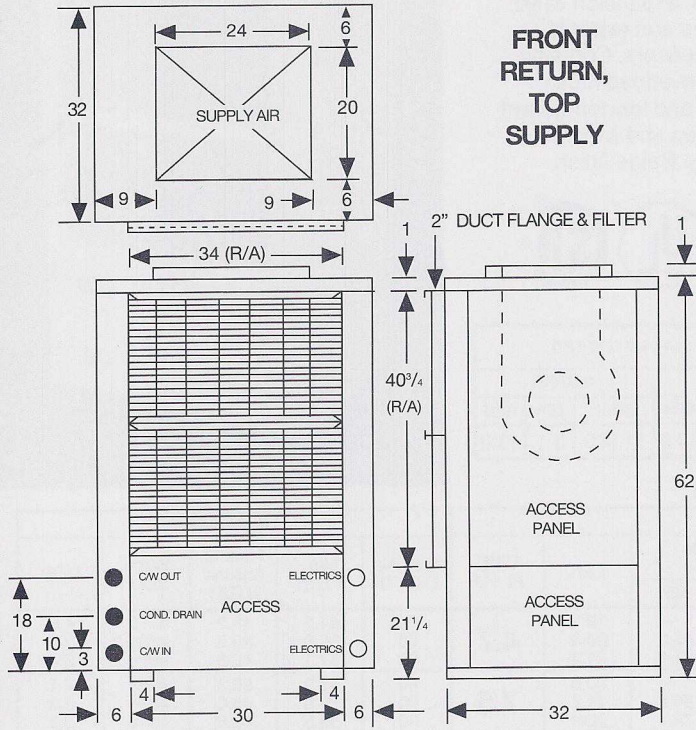
SL080

SUPER LO-TEMP

PHYSICAL CHARACTERISTICS

BLOWER PERFORMANCE Ratings are with standard motor pulley drives

AVAILABLE EXTERNAL STATIC PRESSURE (In. H ₂ O including allowance for wet coil and filter)												
MOTOR PULLEY	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
CLOSED	-	-	-	-	3250	3080	2900	2680	2420	2160	1900	1700
1/2 OPEN	-	-	-	2800	2610	2400	2100	1800	-	-	-	-
OPEN	2780	2590	2350	2050	1780	-	-	-	-	-	-	-



FHP MANUFACTURING

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CONDENSER WATER CONNECTIONS: 1.0" F.P.T.
 CONDENSATE DRAIN CONNECTION: .75" F.P.T.
 FILTER SIZES: VT, 19" X 35" X 1" QTY: (2)

As a result of continuing research and development, all ratings and specifications are subject to change without notice. Rev. 9/94