



# SPECIFICATION DATA SHEET

# SL016 SUPER LO-TEMP

## FLORIDA HEAT PUMP HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS

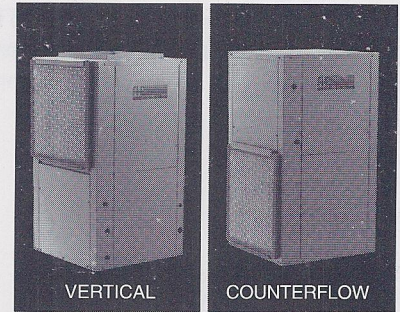
### ELECTRICAL SPECIFICATIONS

Electrical Characteristics	Elec. Sym.	COMPRESSOR		BLOWER		Min. Circuit Amp-acity	Fuse (T/D) HACR Cir. Bkr.
		RLA	LRA	NPA	H.P.		
208/230-1-60	-1	5.9	29.0	1.8	1/4	9.2	15
265-1-60	-2	5.5	27.0	1.6	1/4	8.5	15
-	-	-	-	-	-	-	-

Units are complete packages containing all refrigeration components: compressor, reversing valve, expansion valve 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.

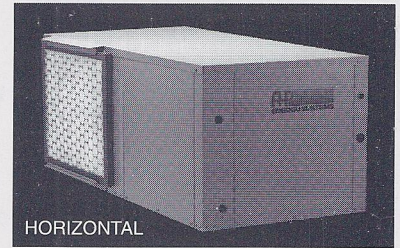
### MECHANICAL SPECIFICATIONS

EVAPORATOR				BLOWER SIZE	WEIGHT	
SQUARE FEET	ROWS DEEP	TUBE SIZE	FPI		NET	SHIP
2.29	4	3/8	14	9 x 7	174	185



VERTICAL

COUNTERFLOW



HORIZONTAL

### 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
17,000	14.4	18,700	18.4	2.0	17,500	4.1	14,000	3.4	2.0	17,000	15.6	4.0	11,500	3.2	4.0

### CAPACITY DATA: All performance at 550 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 Absorb. Btuh	Watts Input	COP	
						75	80	85								
45	2	63	18.0	834	20.8	15.9	18.0	-	21.5	1.2	60	14.1	10.5	1050	3.9	
		67	19.1	842	21.9	13.4	17.5	19.1	22.7		70	13.1	9.5	1057	3.6	
		71	20.3	849	23.2	7.2	13.9	18.3	23.9		80	12.5	8.8	1076	3.4	
	3	63	19.4	784	22.1	16.5	19.4	-	24.8	3.2	60	14.3	10.7	1048	4.0	
		67	20.6	791	23.3	13.9	18.2	20.6	26.1		70	13.3	9.7	1055	3.7	
		71	21.9	798	24.7	7.4	14.4	19.0	27.5		80	12.6	9.0	1074	3.4	
	4	63	20.9	734	23.4	17.1	20.9	-	28.4	5.2	60	14.5	10.9	1046	4.1	
		67	22.2	741	24.7	14.5	18.9	22.2	29.9		70	13.7	10.0	1067	3.8	
		71	23.6	747	26.1	7.7	15.0	19.7	31.6		80	13.0	9.3	1087	3.5	
50	2	63	17.6	881	20.6	13.2	16.6	-	20.0	1.2	60	15.1	11.4	1078	4.1	
		67	18.7	890	21.7	11.2	14.6	18.3	21.0		70	14.0	10.3	1080	3.8	
		71	19.9	897	23.0	5.9	11.6	15.3	22.2		80	13.4	9.6	1122	3.5	
	3	63	19.0	828	21.9	13.7	17.3	-	23.0	3.2	60	15.3	11.6	1076	4.2	
		67	20.2	837	23.1	11.6	15.2	19.0	24.2		70	14.3	10.6	1088	3.9	
		71	21.5	843	24.4	6.2	12.0	15.9	25.5		80	13.7	9.8	1130	3.6	
	4	63	20.5	776	23.1	14.2	17.9	-	26.4	5.2	60	15.5	11.8	1074	4.2	
		67	21.7	783	24.4	12.0	15.7	19.7	27.7		70	14.6	10.9	1096	3.9	
		71	23.1	789	25.8	6.4	12.5	16.5	29.3		80	13.8	9.9	1118	3.6	
60	2	63	16.8	960	20.1	12.6	16.0	-	17.5	1.2	60	15.7	12.3	1085	4.2	
		67	17.9	970	21.2	10.7	13.9	17.6	18.4		70	15.1	11.3	1107	4.0	
		71	19.0	978	22.3	5.5	11.0	14.7	19.4		80	14.2	10.3	1129	3.7	
	3	63	18.2	903	21.3	13.1	16.6	-	20.2	3.2	60	16.1	12.5	1083	4.3	
		67	19.3	912	22.4	11.1	14.5	18.3	21.2		70	15.3	11.5	1105	4.0	
		71	20.5	919	23.7	5.7	11.4	15.3	22.4		80	14.4	10.5	1127	3.7	
	4	63	19.6	845	22.4	13.5	17.2	-	23.1	5.2	60	16.4	12.7	1081	4.4	
		67	20.7	854	23.7	11.5	15.0	19.0	24.3		70	15.5	11.7	1103	4.1	
		71	22.1	860	25.0	6.0	11.9	15.8	25.7		80	14.6	10.7	1125	3.8	
70	2	63	16.0	1040	19.6	12.0	15.1	-	15.4	1.2	60	18.6	14.8	1092	5.0	
		67	17.0	1050	20.6	10.2	13.3	16.6	16.2		70	17.5	13.7	1115	4.6	
		71	18.1	1058	21.7	5.4	10.5	13.9	17.1		80	16.6	12.7	1137	4.3	
	3	63	17.3	978	20.6	12.5	15.7	-	17.7	3.2	60	18.9	15.0	1090	5.1	
		67	18.4	987	21.7	10.6	13.8	17.3	18.6		70	17.7	13.9	1113	4.7	
		71	19.6	995	22.9	5.6	10.9	14.4	19.7		80	16.8	12.9	1135	4.3	
	4	63	18.6	915	21.7	13.0	16.3	-	20.3	5.2	60	19.5	15.7	1115	5.1	
		67	19.8	924	22.9	10.9	14.3	17.9	21.4		70	18.4	14.5	1137	4.7	
		71	21.0	931	24.2	5.8	11.3	15.0	22.6		80	17.5	13.5	1159	4.4	
85	2	63	13.0	1222	17.1	10.1	12.8	-	10.6	1.2	-	-	-	-	-	
		67	13.7	1234	18.0	8.5	11.2	13.7	11.1		70	-	-	-	-	-
		71	14.6	1243	18.9	4.5	8.8	11.7	11.8		80	-	-	-	-	-
	3	63	14.0	1149	17.9	10.5	13.3	-	12.2	3.2	-	-	-	-	-	
		67	14.9	1160	18.8	8.9	11.6	14.6	12.8		70	-	-	-	-	-
		71	15.8	1169	19.8	4.7	9.2	12.2	13.5		80	-	-	-	-	-
	4	63	15.1	1076	18.7	10.9	13.8	-	14.0	5.2	-	-	-	-	-	
		67	16.0	1085	19.7	9.2	12.0	15.1	14.7		70	-	-	-	-	-
		71	17.0	1094	20.7	4.8	9.5	12.6	15.5		80	-	-	-	-	-
100	2	63	11.5	1364	16.1	9.6	11.5	-	8.4	1.2	-	-	-	-	-	
		67	12.1	1377	16.8	8.2	10.7	12.1	8.8		70	-	-	-	-	-
		71	12.9	1388	17.6	4.2	8.4	11.3	9.3		80	-	-	-	-	-
	3	63	12.4	1282	16.8	10.0	12.4	-	9.7	3.2	-	-	-	-	-	
		67	13.1	1294	17.5	8.5	11.1	13.1	10.1		70	-	-	-	-	-
		71	13.9	1305	18.4	4.4	8.7	11.8	10.7		80	-	-	-	-	-
	4	63	13.3	1201	17.4	10.4	13.2	-	11.1	5.2	-	-	-	-	-	
		67	14.0	1212	18.2	8.8	11.5	14.0	11.6		70	-	-	-	-	-
		71	15.0	1221	19.2	4.5	9.1	12.2	12.3		80	-	-	-	-	-

ALL BTUH ARE THOUSANDS

# SL016

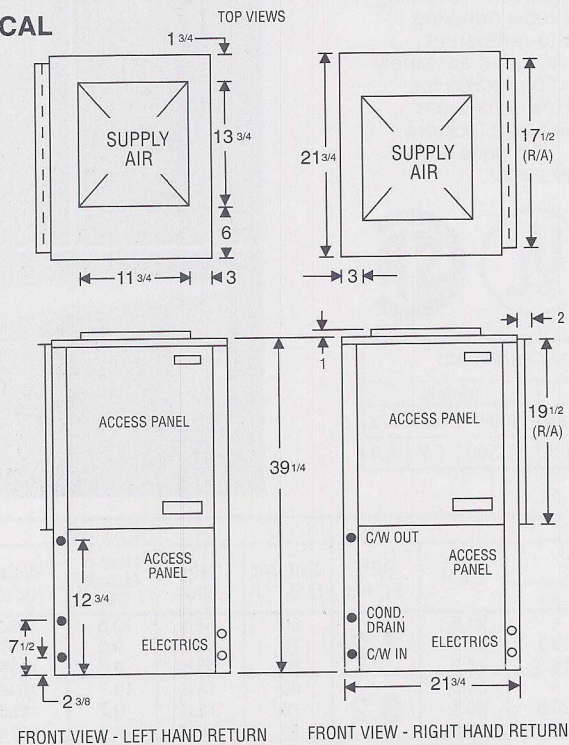
SUPER LO-TEMP

## PHYSICAL CHARACTERISTICS

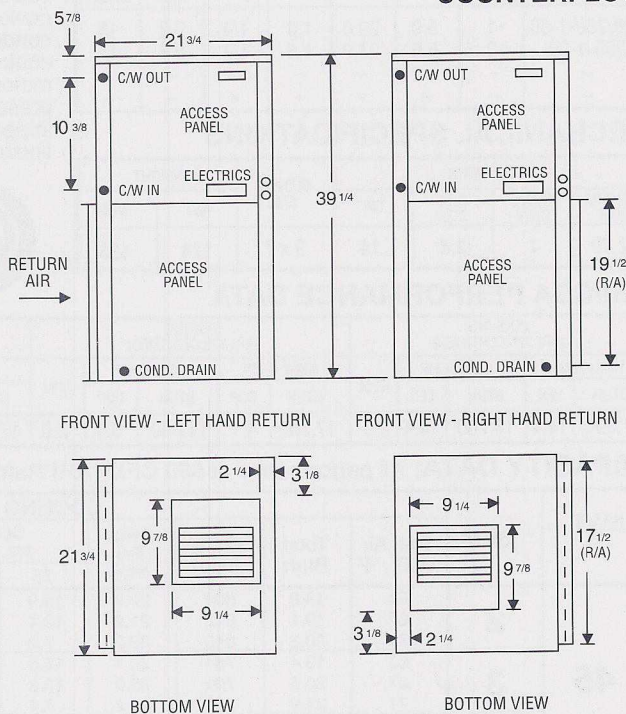
## BLOWER PERFORMANCE

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	-	-	-	-	-	-	620	560	-	-	-	-
MED.	-	-	-	620	580	500	440	-	-	-	-	-
LOW	590	550	500	450	410	-	-	-	-	-	-	-

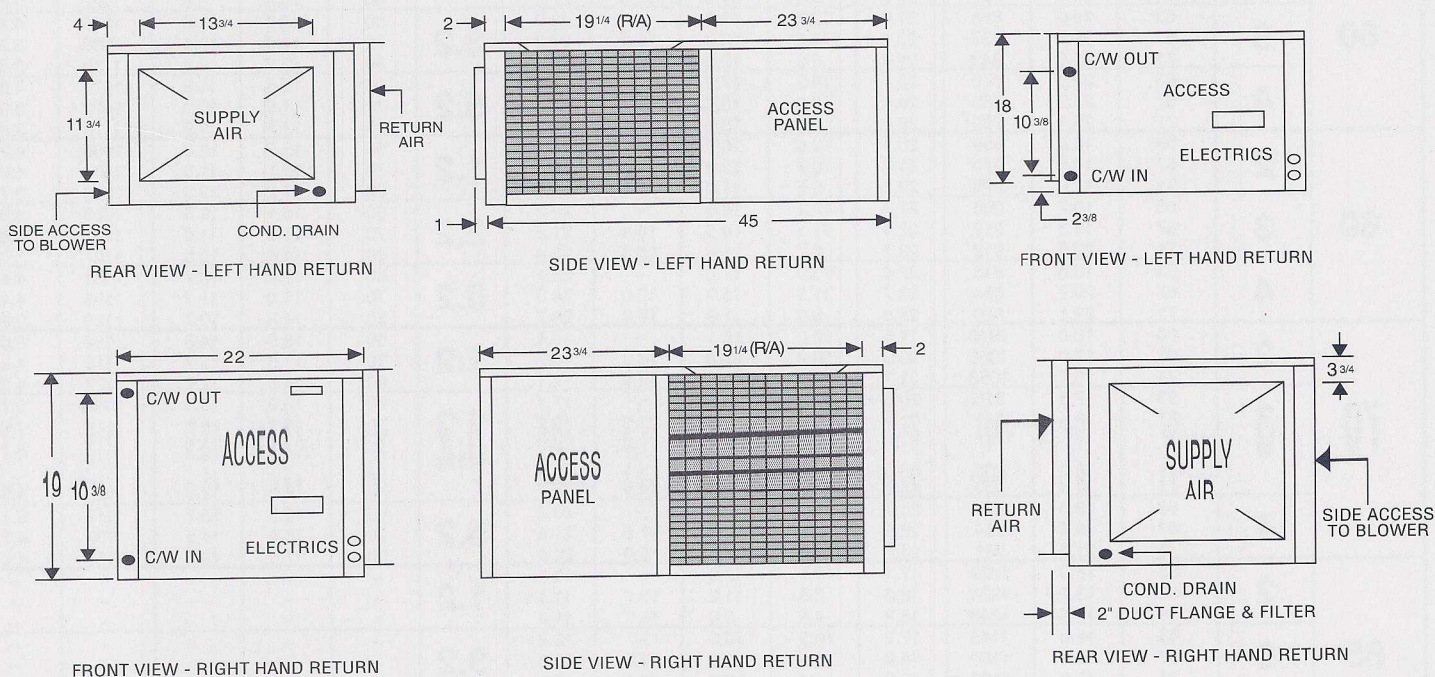
### VERTICAL



### 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 19 1/2" X 19 1/2" X 1" ; HZ 17" X 20" X 1"

As a result of continuing research and development, all ratings and specifications are subject to change without notice. Rev. 2/95



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