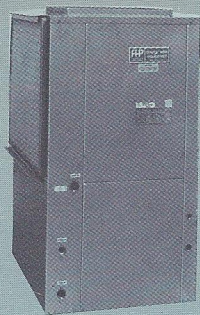


LT 50 LO-TEMP SERIES

FLORIDA HEAT PUMP HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS



MODEL LTV (Vertical)



MODEL LTH (Horizontal)



MODEL LTCF (Counterflow)

ELECTRICAL SPECIFICATIONS

Electrical Characteristics	Elect. Sym.	Compressor		Blower		Rated (2) Oper. Amp.		Min. Circuit Ampacity	Fuse (T/D) HACR Cir. Bkr.
		RLA	LRA	NPA	H.P.	Cool	Heat		
208/230-1-60	-1	17.6	88	4.1	½	16.8	18.4	26.1	35
265-1-60	-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
208/230-3-60	-3	11.6	65	4.1	½	10.4	11.5	18.6	25
460-3-60	-4	5.2	33	2.05	½	5.1	5.6	8.6	10

Model LT 50 units are complete packages containing all refrigeration components: hermetic 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

(2) ARI high temp. operation.

COOLING (ARI CERTIFIED)				GPM	HEATING (ARI CERTIFIED)				CFM (1)	EVAPORATOR				BLWR SIZE	WEIGHT		
HIGH TEMP. Btuh	LOW TEMP. EER	Btuh	EER		HIGH TEMP. Btuh	LOW TEMP. COP	Btuh	COP		FACE AREA	ROWS DEEP	TUBE SIZE	FPI		NET	SHIPPING	
44500	11.0	49500	14.0	8.0	48000	3.4	37000	3.0	5.0	1500	3.5	4 ⁽³⁾	¾	14	10 x 8	288	296

Certified ratings per ARI Std. 325.

Evaporator face area in sq. ft.

All condensers with enhanced tube surface.

(3) "LTLP" model has 3 row coil.

CAPACITY DATA: All performance at rated CFM (1).

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	5	63	45.9	2877	55.7	31.0	39.0	—	16.0	4.2						
		67	48.7	2905	58.6	26.7	34.3	42.9	16.8							
		71	51.9	2933	61.9	13.9	27.1	35.8	17.7							
	8	63	48.9	2753	58.3	32.0	40.2	48.4	17.8	10.9	60	36.9	26.2	3127	3.5	
		67	51.9	2780	61.4	27.5	35.3	44.4	18.7			70	35.2	24.2	3217	3.2
		71	55.2	2807	64.8	14.3	27.9	36.9	19.7			80	33.5	22.4	3272	3.0
	11	63	51.8	2629	60.8	32.9	41.4	49.9	19.7	20.6	60	39.2	28.3	3197	3.6	
		67	55.0	2655	64.1	28.3	36.3	45.5	20.7			70	37.0	25.9	3263	3.3
		71	58.6	2680	67.7	14.8	28.8	38.0	21.9			80	35.2	23.9	3323	3.1
50	5	63	44.7	2997	54.9	30.6	38.5	—	14.9	4.2	60	38.6	27.8	3180	3.6	
		67	46.5	2968	56.6	25.9	33.8	42.4	15.7			70	37.0	25.8	3285	3.3
		71	50.5	3048	60.9	13.8	26.8	35.4	16.6			80	34.3	23.0	3310	3.0
	8	63	47.5	2868	57.3	31.6	39.7	—	16.6	10.9	60	40.8	29.7	3248	3.7	
		67	49.5	2840	59.2	26.7	34.8	43.7	17.4			70	38.7	27.4	3335	3.4
		71	53.7	2917	63.6	14.2	27.6	36.5	18.4			80	36.0	24.5	3360	3.1
	11	63	50.4	2739	59.7	32.5	40.9	49.3	18.4	20.6	60	42.9	31.6	3315	3.8	
		67	52.5	2712	61.7	27.5	35.8	44.9	19.4			70	40.5	28.9	3385	3.5
		71	57.0	2785	66.5	14.6	28.4	37.5	20.5			80	38.1	26.3	3450	3.2
60	5	63	42.3	3233	53.3	29.5	37.4	—	13.1	4.2	60	44.8	33.2	3410	3.9	
		67	44.1	3219	55.0	25.0	32.6	41.2	13.7			70	42.0	29.9	3520	3.5
		71	47.7	3288	58.9	13.0	25.8	34.4	14.5			80	39.8	27.6	3550	3.3
	8	63	45.0	3093	55.5	30.4	38.5	—	14.6	10.9	60	47.3	35.5	3483	4.0	
		67	47.0	3080	57.5	25.8	33.6	42.5	15.3			70	44.5	32.3	3575	3.6
		71	50.8	3147	61.5	13.4	26.6	35.4	16.2			80	42.3	30.0	3605	3.4
	11	63	47.8	2954	57.8	31.3	39.6	—	16.2	20.6	60	49.8	37.7	3555	4.1	
		67	49.9	2979	60.0	26.5	34.6	43.7	16.9			70	47.0	34.6	3630	3.8
		71	53.9	3005	64.1	13.8	27.4	36.5	17.9			80	44.2	31.5	3700	3.5
70	5	63	39.8	3468	51.6	28.5	35.9	—	11.5	4.2	60	51.0	38.6	3665	4.1	
		67	41.8	3501	53.7	24.1	31.4	39.4	11.9			70	48.0	35.0	3800	3.7
		71	44.9	3529	56.9	12.8	24.9	32.9	12.7			80	45.7	32.7	3830	3.5
	8	63	42.4	3318	53.7	29.4	36.9	—	12.8	10.9	60	53.5	40.8	3738	4.2	
		67	44.5	3350	55.9	24.8	32.4	40.6	13.3			70	50.5	37.3	3855	3.8
		71	47.9	3377	59.4	13.2	25.7	33.9	14.2			80	48.3	35.0	3885	3.6
	11	63	45.0	3169	55.8	30.2	38.0	—	14.2	20.6	60	56.7	43.7	3810	4.4	
		67	47.2	3199	58.1	25.5	33.3	41.8	14.8			70	53.5	40.2	3890	4.0
		71	50.8	3225	61.8	13.6	26.4	34.9	15.7			80	50.8	37.2	3960	3.7
85	5	63	36.4	3779	49.2	26.9	34.3	—	9.6	4.2	60	60.9	46.9	4086	4.4	
		67	38.4	3814	51.4	22.8	29.8	37.8	10.1			70	57.3	42.8	4237	3.9
		71	41.1	3842	54.2	11.8	23.5	31.5	10.7			80	54.6	39.0	4270	3.7
	8	63	38.7	3615	51.0	27.7	35.3	—	10.7	10.9	60	63.9	49.7	4167	4.5	
		67	40.9	3650	53.3	23.5	30.7	38.9	11.2			70	60.3	45.6	4298	4.1
		71	43.7	3677	56.2	12.2	24.3	32.5	11.9			80	57.7	42.9	4331	3.9
	11	63	41.4	3452	53.1	28.5	36.3	—	11.9	20.6						
		67	43.4	3486	55.2	24.2	31.6	40.1	12.4							
		71	46.4	3511	58.3	12.5	24.9	33.4	13.2							
100	5	63	32.8	4124	46.8	24.9	31.5	—	8.0	4.2						
		67	34.7	4159	48.8	21.2	27.7	34.7	8.4							
		71	37.0	4196	51.3	10.9	21.8	29.3	8.8							
	8	63	34.9	3947	48.3	25.7	32.5	—	8.8	10.9						
		67	37.0	3980	50.5	21.8	28.5	36.2	9.3							
		71	39.4	4015	53.1	11.2	22.5	30.1	9.8							
	11	63	37.0	3769	49.8	26.5	33.4	—	9.8	20.6						
		67	39.2	3801	52.1	22.5	29.3	37.2	10.3							
		71	41.8	3834	54.8	11.6	23.1	31.0	10.9							

ALL BTUH ARE THOUSANDS



SPECIFICATION BLOWER PERFORMANCE DATA SHEET

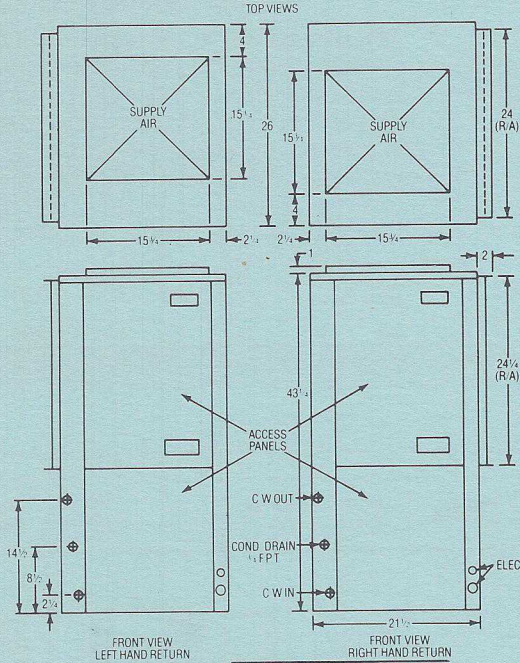
LT 50 LO-TEMP SERIES

AVAILABLE EXTERNAL STATIC PRESSURE (In. H ₂ O) (Including allowance for wet coil and filter)								
* Fan Speed	.10	.15	.20	.25	.30	.35	.40	.50
HI	1670	1640	1610	1570	1530	1490	1440	1400
LO	1565	1545	1525	1495	1450	1420	1365	1325

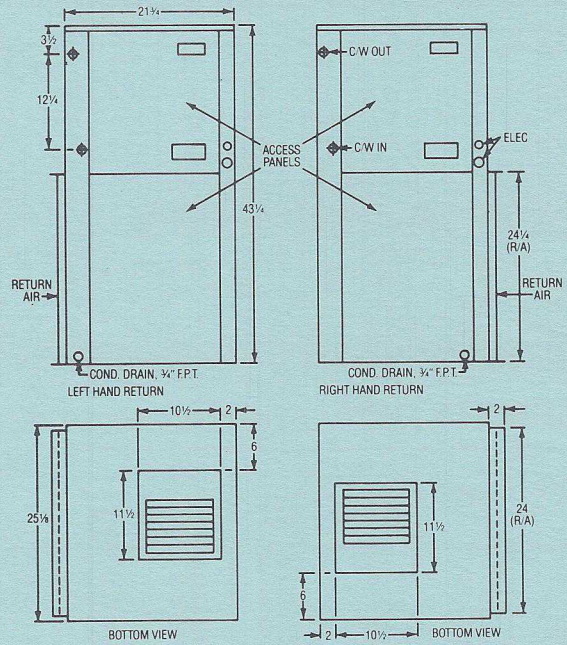
* All performance at 230 Volts.

Physical Characteristics

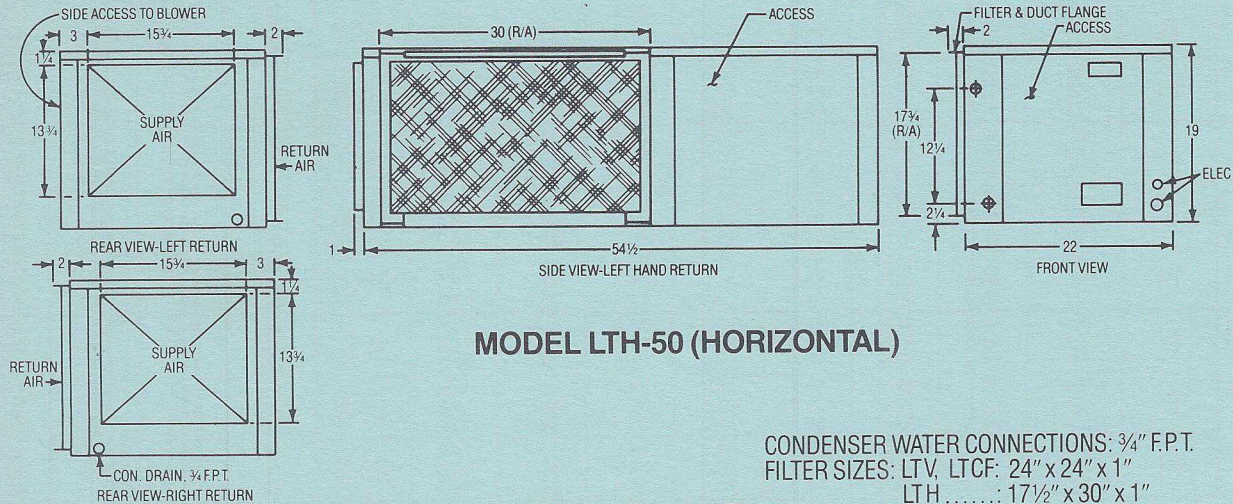
LT 50 Series are available in three configurations. Standard piping is as shown (left-hand) connections. Return air is available either L.H. or R.H. viewing from the front of the unit.



MODEL LTV-50 (VERTICAL)

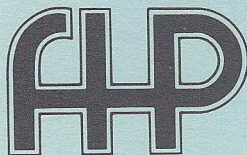


MODEL LTCF-50 (COUNTERFLOW)



MODEL LTH-50 (HORIZONTAL)

CONDENSER WATER CONNECTIONS: 3/4" F.P.T.
 FILTER SIZES: LTV, LTCF: 24" x 24" x 1"
 LTH: 17 1/2" x 30" x 1"



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