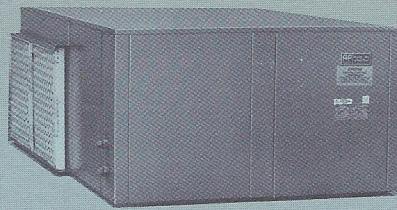


MODEL LTV
(Vertical)



MODEL LTH
(Horizontal)



**SPECIFICATION
DATA SHEET**

**LT 90
LO-TEMP SERIES**

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	35.5	179	7.5	1	27.0	28.2	51.9	70
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	21.6	135	3.6	1	18.3	19.2	30.6	40
460-3-60	-4	10.6	70	1.8	1	8.6	9.5	14.9	25

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

Model LT 90 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)				HEATING (ARI CERTIFIED)				CFM (1)	EVAPORATOR				BLWR SIZE	WEIGHT			
HIGH TEMP.		LOW TEMP.		GPM	HIGH TEMP.		LOW TEMP.		FACE AREA	ROWS DEEP	TUBE SIZE	FPI		NET	SHIPPING		
Btuh	EER	Btuh	EER		Btuh	COP	Btuh									COP	
87000	10.1	92000	11.9	15.0	106000	3.5	80000	3.0	10.0	3000	8.0	3	3/8	14	15x11	961	986

Certified ratings per ARI Std. 325. Evaporator face area in sq. ft. All condensers with enhanced tube surface. All evaporators with enhanced tube & fin surface.

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	10	63	82.8	6431	104.7	53.7	68.8	—	12.9	3.1	60	84.8	62.0	6670	3.7
		67	87.9	6490	110.0	42.9	64.3	80.6	13.5						
		71	93.6	6542	115.9	26.2	50.9	67.3	14.3						
	15	63	87.5	6183	108.6	55.2	70.6	86.1	14.2	7.0	60	82.3	59.5	6665	3.6
		67	92.9	6240	114.1	44.0	66.0	82.8	14.9		70	77.6	53.4	7092	3.2
		71	98.9	6290	120.3	26.8	52.3	69.0	15.7		80	73.4	47.8	7497	2.9
20	63	92.3	5936	112.5	56.6	72.5	88.3	15.5	11.5	60	83.7	60.5	6790	3.6	
	67	97.9	5990	118.3	45.2	67.7	84.9	16.4		70	79.0	54.3	7227	3.2	
	71	104.2	6038	124.8	27.5	53.6	70.8	17.3		80	74.8	48.8	7632	2.9	
50	10	63	81.9	6736	104.8	57.6	72.5	—	12.2	3.1	60	84.8	62.0	6670	3.7
		67	87.0	6796	110.1	48.7	63.6	79.8	12.8		70	80.0	55.8	7100	3.3
		71	92.6	6854	115.9	25.9	50.4	66.6	13.5		80	75.2	49.5	7520	2.9
	15	63	86.6	6477	108.7	59.2	74.5	—	13.4	7.0	60	86.5	63.3	6805	3.7
		67	92.0	6535	114.3	50.0	65.3	81.9	14.1		70	81.6	56.9	7240	3.3
		71	97.9	6590	120.3	26.6	51.7	68.3	14.9		80	76.7	50.5	7675	2.9
20	63	91.3	6218	112.5	60.7	76.4	—	14.7	11.5	60	88.2	64.5	6950	3.7	
	67	96.9	6274	118.3	51.3	67.0	84.0	15.5		70	83.2	58.0	7385	3.3	
	71	103.1	6326	124.6	27.3	53.1	70.1	16.3		80	78.3	51.6	7120	2.9	
60	10	63	79.8	7071	103.9	57.2	72.0	—	11.3	3.1	60	99.8	74.5	7410	3.9
		67	84.7	7137	109.0	48.4	63.2	79.3	11.9		70	94.2	67.3	7885	3.5
		71	90.1	7197	114.6	25.6	50.0	66.2	12.5		80	90.4	61.9	8355	3.2
	15	63	84.4	6799	107.6	58.7	74.0	—	12.4	7.0	60	101.9	76.1	7560	3.9
		67	89.5	6863	112.9	49.7	64.8	81.4	13.0		70	96.1	68.7	8045	3.5
		71	95.3	6920	118.9	26.3	51.4	67.9	13.8		80	92.3	63.2	8525	3.2
20	63	88.9	6527	111.1	60.3	75.9	—	13.6	11.5	60	103.9	77.6	7710	3.9	
	67	94.3	6588	116.7	50.9	66.5	83.5	14.3		70	98.0	70.0	8205	3.5	
	71	100.4	6643	123.0	26.9	52.7	69.7	15.1		80	94.2	64.5	8685	3.2	
70	10	63	77.5	7410	102.7	56.8	71.4	—	10.5	3.1	60	112.3	86.1	7685	4.3
		67	82.3	7478	107.8	48.0	62.7	78.6	11.0		70	106.0	78.1	8175	3.8
		71	87.6	7542	113.3	25.5	49.7	65.6	11.6		80	102.2	72.7	8645	3.5
	15	63	81.9	7125	106.2	58.3	73.4	—	11.5	7.0	60	114.6	87.8	7840	4.3
		67	87.0	7190	111.5	49.3	64.4	80.7	12.1		70	108.1	79.5	8340	3.8
		71	92.6	7252	117.3	26.2	51.0	67.4	12.8		80	104.3	74.0	8820	3.5
20	63	86.3	6840	109.6	59.8	75.3	—	12.6	11.5	60	116.6	89.4	7990	4.3	
	67	91.7	6902	115.2	50.6	66.0	82.8	13.3		70	110.0	80.8	8500	3.8	
	71	97.6	6962	121.3	26.8	52.3	69.1	14.0		80	106.2	75.4	8980	3.5	
85	10	63	70.8	8018	98.1	51.8	66.5	—	8.8	3.1	60	134.2	104.9	8569	4.6
		67	74.9	8094	102.5	44.2	57.6	73.5	9.3		70	126.7	95.6	9115	4.1
		71	79.8	8158	107.6	22.4	45.4	61.4	9.8		80	122.1	89.2	9639	3.7
	15	63	74.8	7710	101.1	53.3	68.3	—	9.7	7.0	60	137.0	107.2	8741	4.6
		67	79.2	7783	105.7	45.3	59.2	75.5	10.2		70	129.2	97.5	9299	4.1
		71	84.4	7844	111.1	23.0	46.6	62.9	10.8		80	124.6	91.0	9834	3.7
20	63	78.8	7402	104.0	54.6	70.1	—	10.7	11.5	60	137.0	107.2	8741	4.6	
	67	83.5	7471	108.9	46.5	60.7	77.5	11.2		70	129.2	97.5	9299	4.1	
	71	88.9	7530	114.5	23.6	47.8	64.6	11.8		80	124.6	91.0	9834	3.7	
100	10	63	64.2	8719	93.9	48.0	61.1	—	7.4	3.1	60	148.0	118.0	9115	4.1
		67	68.0	8798	98.0	40.8	53.2	67.4	7.7		70	140.0	110.0	9639	3.7
		71	72.4	8871	102.6	21.1	42.0	56.2	8.2		80	132.0	102.0	10163	3.3
	15	63	67.8	8383	96.4	49.3	62.7	—	8.1	7.0	60	148.0	118.0	9115	4.1
		67	71.9	8460	100.7	41.8	54.6	69.2	8.5		70	140.0	110.0	9639	3.7
		71	76.6	8530	105.7	21.6	43.1	57.7	9.0		80	132.0	102.0	10163	3.3
20	63	71.5	8048	98.9	50.6	64.4	—	8.9	11.5	60	148.0	118.0	9115	4.1	
	67	75.8	8122	103.5	42.9	56.0	71.0	9.3		70	140.0	110.0	9639	3.7	
	71	80.7	8189	108.6	22.2	44.3	59.2	9.9		80	132.0	102.0	10163	3.3	

ALL BTUH ARE THOUSANDS

