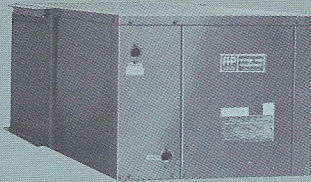




MODEL LTV  
(Vertical)



MODEL LTH  
(Horizontal)



MODEL LTCF  
(Counterflow)



**SPECIFICATION  
DATA SHEET**

**LT 20  
LO-TEMP SERIES**

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

**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	8.5	42	1.2	1/6	7.5	8.5	11.8	15
265-1-60	-2	8.0	40	1.2	1/6	7.0	8.0	11.2	15

Model LT 20 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.		GPM		FACE AREA	ROWS DEEP	TUBE SIZE	FPI		NET	SHIPPING
Btuh	EER	Btuh	EER		Btuh	COP	Btuh	COP									
20000	10.2	22400	14.1	3.0	22800	3.3	18800	2.8	3.0	650	1.88	3	3/8	14	9 x 4	176	184

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	3	63	22.1	1217	26.2	13.8	17.4	—	18.2	9.5					
		67	23.5	1230	27.6	11.7	15.2	19.1	19.1						
		71	25.0	1243	29.2	6.2	12.1	15.9	20.1						
	4	63	23.3	1168	26.2	14.2	17.8	—	19.9	16.9	60	18.6	13.4	1514	3.6
		67	24.7	1181	27.6	12.0	15.6	19.6	20.9						
		71	26.3	1194	29.2	6.3	12.4	16.4	22.0						
5	63	24.5	1119	26.2	14.5	18.3	—	21.9	26.4	60	19.0	13.7	1532	3.6	
	67	26.0	1132	27.6	12.3	16.1	20.1	23.0							
	71	27.7	1144	29.2	6.5	12.7	16.8	24.2							
50	3	63	21.6	1282	25.9	13.7	17.2	—	16.9	9.5	60	19.9	14.3	1635	3.6
		67	22.4	1275	26.7	11.6	15.1	19.0	17.6						
		71	24.4	1308	28.9	6.2	11.9	15.8	18.7						
	4	63	22.8	1230	25.9	14.1	17.7	—	18.5	16.9	60	20.1	14.5	1660	3.5
		67	23.6	1224	26.7	11.9	15.5	19.4	19.3						
		71	25.7	1256	28.9	6.3	12.3	16.3	20.5						
5	63	23.9	1179	25.9	14.4	18.2	—	20.3	26.4	60	20.3	14.5	1685	3.5	
	67	24.8	1173	26.7	12.2	15.9	19.9	21.2							
	71	27.0	1204	28.9	6.5	12.6	16.7	22.5							
60	3	63	20.5	1389	25.2	13.1	16.6	—	14.7	9.5	60	23.2	17.5	1700	4.0
		67	21.2	1378	25.9	11.1	14.5	18.4	15.4						
		71	23.1	1416	27.9	5.8	11.4	15.3	16.3						
	4	63	21.5	1334	25.2	13.4	17.0	—	16.2	16.9	60	23.8	17.9	1725	4.0
		67	22.3	1322	25.9	11.4	14.9	18.8	16.9						
		71	24.3	1359	27.9	5.9	11.7	15.7	17.9						
5	63	22.6	1278	25.2	13.8	17.5	—	17.7	26.4	60	24.4	18.4	1750	4.1	
	67	23.5	1267	25.9	11.7	15.3	19.3	18.5							
	71	25.6	1303	27.9	6.1	12.1	16.1	19.6							
70	3	63	19.2	1497	24.3	12.6	15.8	—	12.8	9.5	60	24.2	18.3	1725	4.1
		67	20.0	1480	25.0	10.6	13.9	17.4	13.5						
		71	21.7	1523	26.9	5.6	11.0	14.5	14.2						
	4	63	20.2	1437	24.3	12.9	16.2	—	14.1	16.9	60	24.7	18.8	1750	4.1
		67	21.1	1421	25.0	10.9	14.2	17.8	14.8						
		71	22.9	1462	26.9	5.8	11.3	14.9	15.6						
5	63	21.3	1377	24.3	13.2	16.6	—	15.5	26.4	60	25.3	19.3	1775	4.2	
	67	22.2	1362	25.0	11.2	14.6	18.3	16.3							
	71	24.0	1401	26.9	5.9	11.6	15.3	17.2							
85	3	63	17.6	1647	23.2	12.3	15.5	—	10.7	9.5	60	28.9	22.3	1923	4.4
		67	18.5	1653	24.1	10.4	13.6	17.1	11.2						
		71	19.8	1673	25.5	5.5	10.7	14.3	11.8						
	4	63	18.5	1581	23.2	12.6	15.9	—	11.7	16.9	60	29.6	22.9	1950	4.4
		67	19.5	1586	24.1	10.7	13.9	17.6	12.3						
		71	17.9	1574	22.6	13.6	11.0	14.9	11.4						
5	63	19.5	1515	23.2	12.9	16.4	—	12.8	26.4	60	26.3	19.4	2029	3.8	
	67	20.5	1520	24.1	10.9	14.3	18.0	13.5							
	71	21.9	1539	25.5	5.7	11.3	15.0	14.3							
100	3	63	15.9	1797	22.0	11.6	14.7	—	8.9	9.5					
		67	16.9	1810	23.1	9.8	12.8	16.3	9.3						
		71	17.9	1823	24.2	5.1	10.1	13.6	9.9						
	4	63	16.8	1725	22.1	11.9	15.1	—	9.7	16.9					
		67	17.8	1738	23.1	10.1	13.2	16.7	10.3						
		71	18.9	1750	24.2	5.2	10.4	13.9	10.8						
5	63	17.7	1653	22.1	12.2	15.5	—	10.7	26.4						
	67	18.7	1665	23.1	10.3	13.5	17.1	11.2							
	71	19.9	1677	24.2	5.4	10.7	14.3	11.9							

ALL BTUH ARE THOUSANDS



# SPECIFICATION DATA SHEET

# BLOWER PERFORMANCE

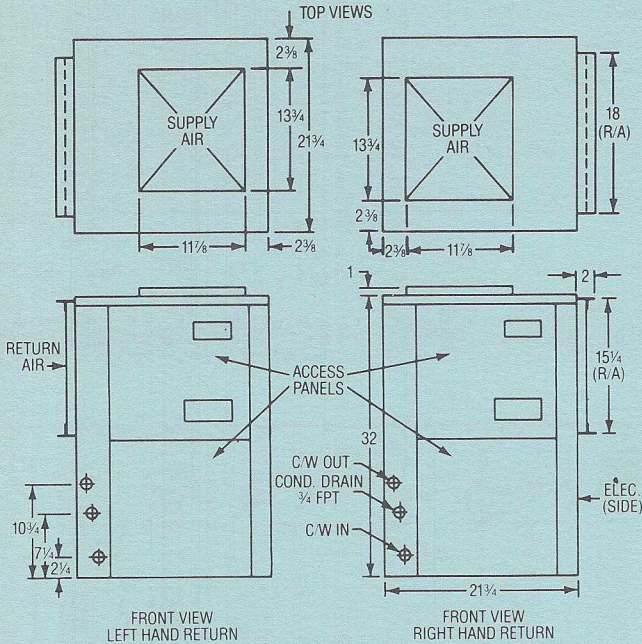
# Physical Characteristics

## LT 20 LO-TEMP SERIES

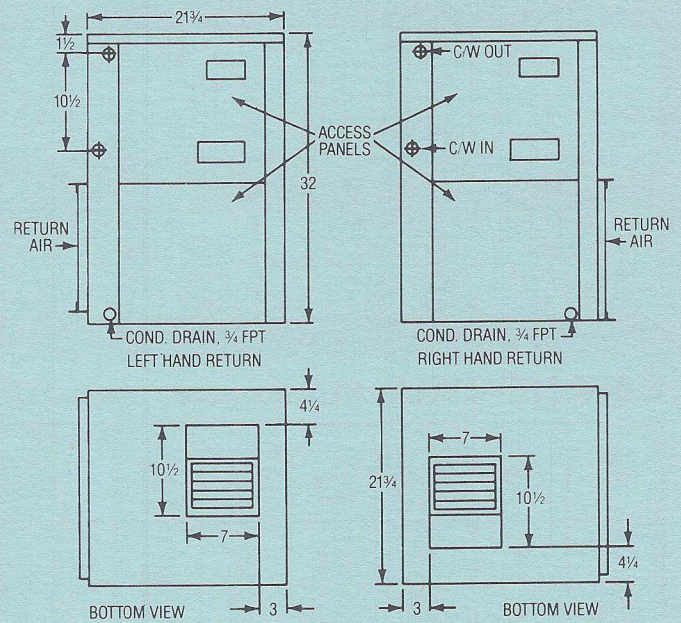
AVAILABLE EXTERNAL STATIC PRESSURE (In. H <sub>2</sub> O) (Including allowance for wet coil and filter)								
*Fan Speed	.10	.15	.20	.25	.30	.35	.40	.50
HI	650	625	605	580	560	530	505	490
LO	620	590	570	555	525	505	490	475

\*All performance at 230 Volts.

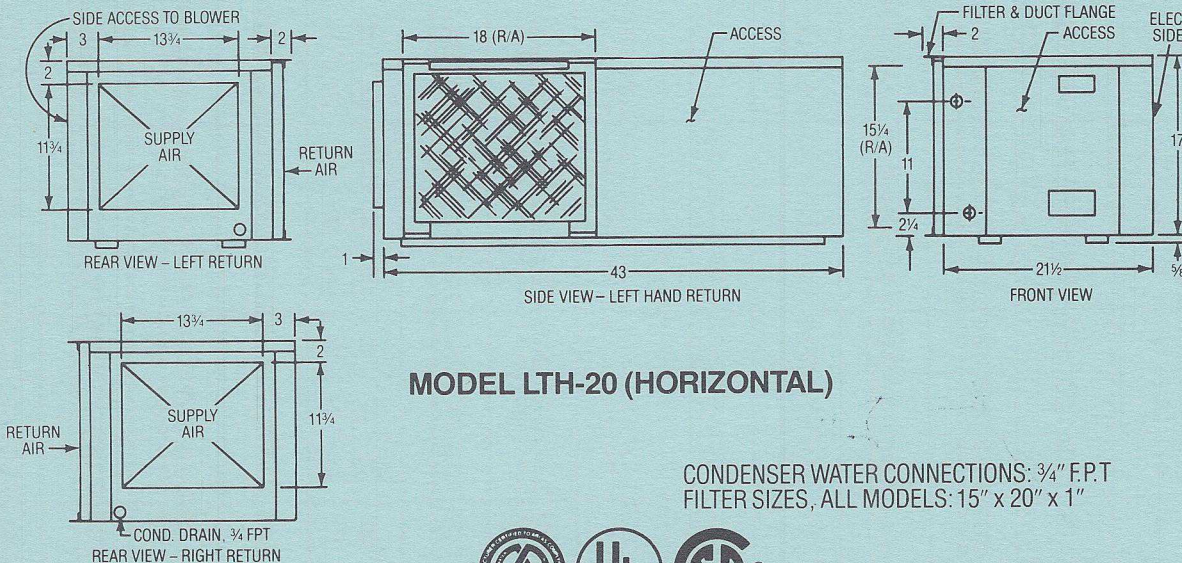
LT 20 Series are available in three configurations. Standard piping is as shown (left-hand) connections. Return air is available either L.H. or R.H. viewing from the front of the unit.



MODEL LTV-20 (VERTICAL)

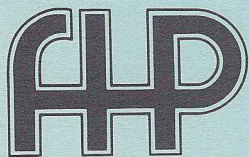


MODEL LTCF-20 (COUNTERFLOW)



MODEL LTH-20 (HORIZONTAL)

CONDENSER WATER CONNECTIONS: 3/4" F.P.T  
FILTER SIZES, ALL MODELS: 15" x 20" x 1"



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

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