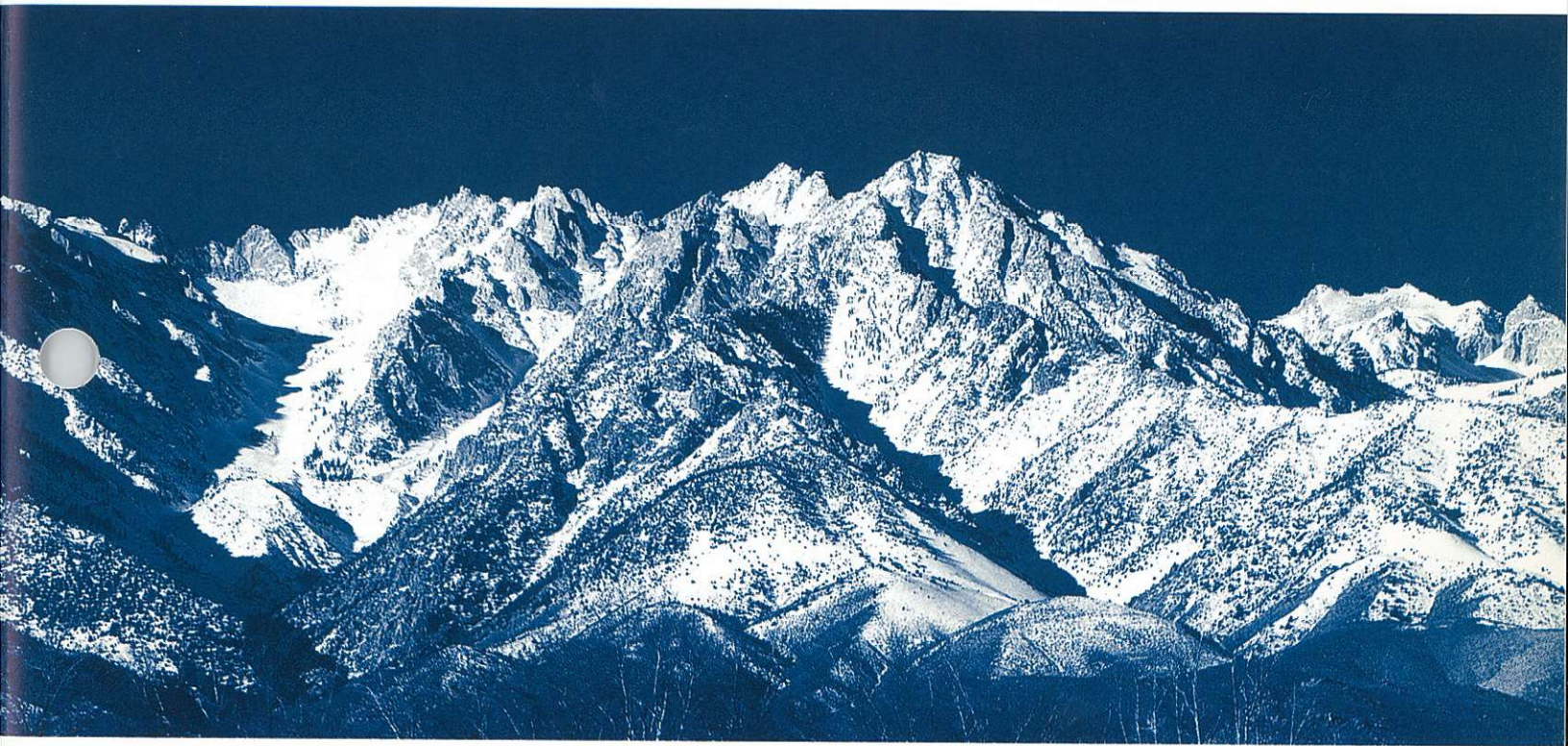


## Refrigeration Systems 1/2 Through 30 HP Counter Flow Defrost

Publication No. 508.3  
October, 2000



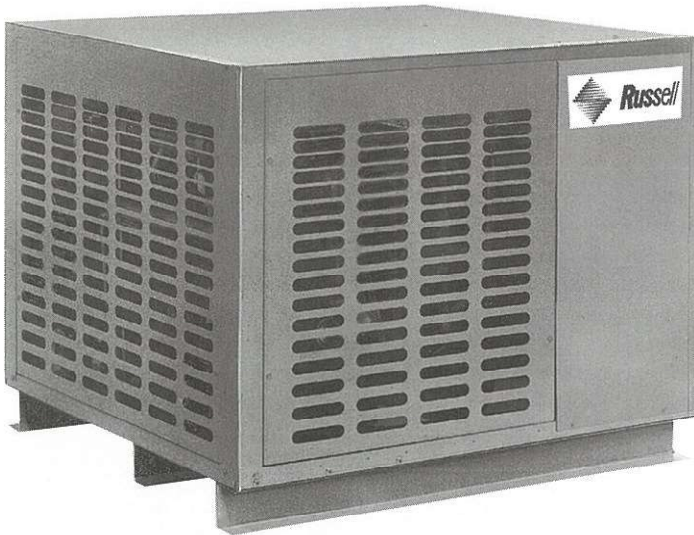
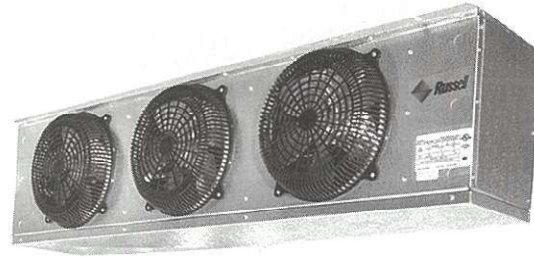
### HIGH SIERRA, the freezer package that meets the demands of today's marketplace

- Fastest defrost in the industry
- Absolutely no steaming\*
- Increased energy savings
- Saves on installation costs
- Reduced refrigerant charge
- Increased system capacity
- Extended compressor life
- Increased condenser surface
- All Factory installed accessories
- Built in liquid sub-cooler

\* According to various tests. Your results may vary.

## HIGH SIERRA

Defrosts **4 times faster** than a comparable electric defrost freezer system (5 minutes VS 20 minutes, on average), saving money on every defrost cycle.



The **HIGH SIERRA** counter flow defrost system is ideal for commercial freezers in convenience stores, restaurants and fast food outlets.

High traffic freezers take a lot of abuse which can lead to unsafe and costly ice formation on floors, walls and product.

**HIGH SIERRA** helps in the management of this problem by eliminating electric defrost heaters which cause steaming and can contribute to messy and dangerous nuisance ice.

**HIGH SIERRA** prevents both unnecessary defrosts and steaming, saving money during every defrost cycle, **EVERY DAY!**

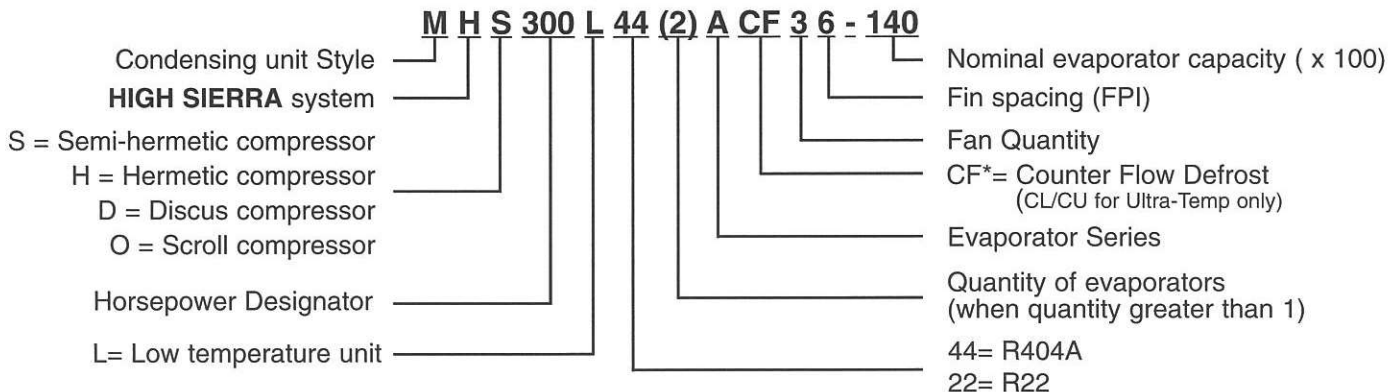
When coupled with Russell's proven money saver, the **Sierra** refrigeration package, **HIGH SIERRA's** Counter Flow Defrost System is extremely effective in maintaining LOW OPERATING COSTS.

### STANDARD FEATURES

- Semi-hermetic, hermetic, scroll or discus compressors
- Oil pressure controls where applicable
- High and low pressure controls
- Crankcase heater
- Galvanized steel housing
- Large electrical control panel
- Liquid line charging valve
- Defrost timer
- Reverse flow defrost components

- Russaver** floating head pressure control
- Liquid line filter drier
- Suction filter
- Sight glass with moisture indicator
- Sub cooling circuit
- Room thermostat
- Counter Flow Defrost** unit cooler(s)
- Balanced port expansion valve(s) (mounted)
- Liquid Solenoid valve(s) (mounted)

### NOMENCLATURE



# High Sierra

## ENERGY SAVINGS CALCULATIONS

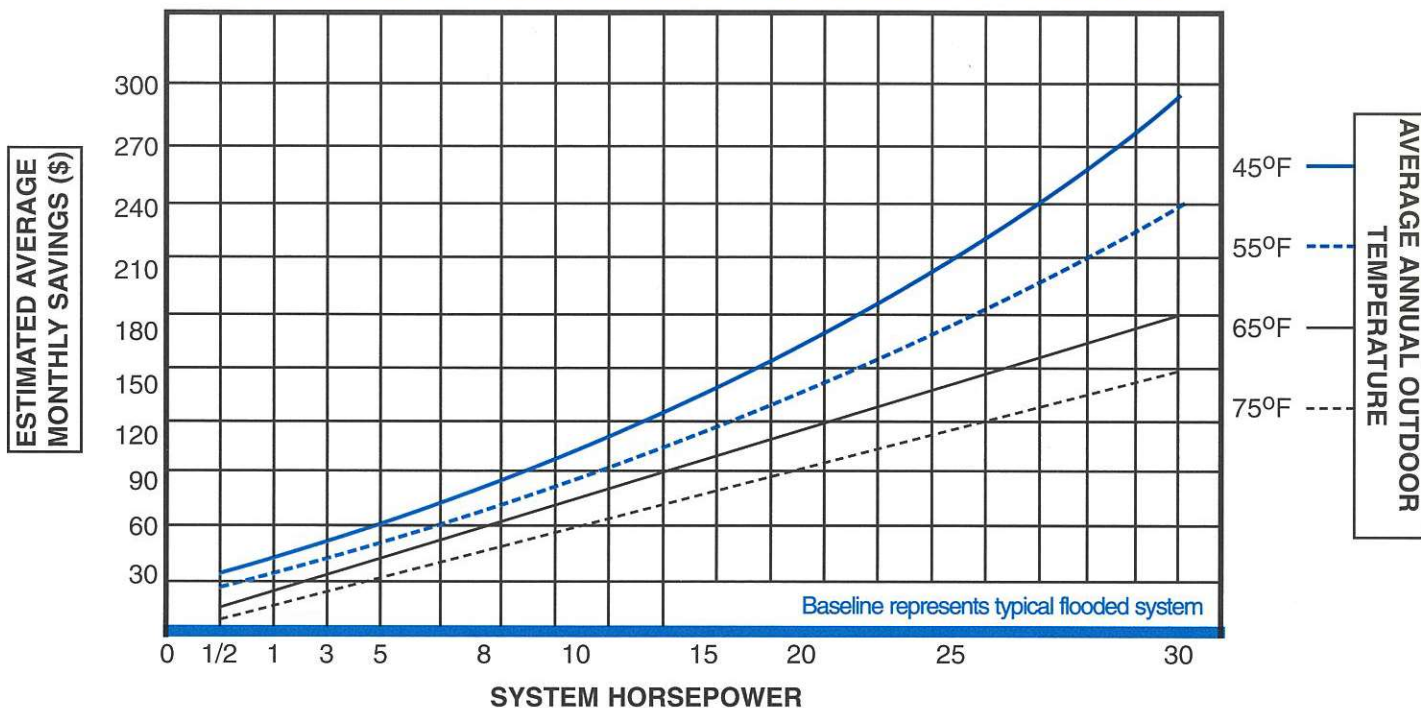
To estimate your average monthly savings:

- 1) Select a HIGH SIERRA system that meets your refrigeration requirements.
- 2) Determine the Average Annual Outdoor Air Temperature from the table below.
- 3) Using the Projected Monthly Savings graph, locate the system nominal horsepower at the bottom of the graph (the nominal system horsepower can be derived from the model number nomenclature).
- 4) Go straight up to the appropriate Average Annual Outdoor Air Temperature curve, and then go horizontally to the left to determine your Estimated Monthly Average Savings.
- 5) To calculate your Estimated Monthly Saving for an energy cost other than \$.10 KWH, divide the Estimated Monthly Savings by 0.10 and multiply by your local electric utility rate.
- 6) To determine your Estimated Yearly Savings, multiple the Estimated Monthly Savings number by 12.

## AVERAGE ANNUAL OUTDOOR AIR TEMPERATURE

STATE & STATION	ANNUAL AVG. °F	STATE & STATION	ANNUAL AVG. °F	STATE & STATION	ANNUAL AVG. °F	STATE & STATION	ANNUAL AVG. °F
AL Mobile	70	IA Des Moines	50	NM Albuquerque	60	VT Burlington	45
AK Juneau	40	KS Wichita	55	NY Buffalo	45	VA Richmond	60
AZ Phoenix	70	KY Louisville	55	NY New York	55	WA Seattle	50
AR Little Rock	60	LA New Orleans	70	NC Charlotte	60	WV Charleston	55
CA Los Angeles	60	ME Portland	45	ND Bismarck	45	WI Milwaukee	45
CA San Francisco	55	MD Baltimore	55	OH Cleveland	50	WY Cheyenne	45
CO Denver	50	MA Boston	50	OK Oklahoma City	60		
CT Hartford	50	MI Detroit	50	OR Portland	55	CANADA	
DE Wilmington	55	MN Sault St. Marie	40	PA Philadelphia	50	ALB Calgary	40
D.C. Washington	55	MS Minneapolis	45	RI Providence	50	B.C. Vancouver	50
FL Jacksonville	70	MO Jackson	65	SC Columbia	65	MAN Winnipeg	35
FL Miami	75	MT St. Louis	55	SD Sioux Falls	45	N.B. St. John	45
GA Atlanta	60	MT Great Falls	45	TN Nashville	60	N.F. St. John's	40
HI Honolulu	75	NE Omaha	50	TX Dallas	65	N.S. Halifax	45
ID Boise	50	NV Reno	50	TX El Paso	65	ONT Toronto	45
IL Chicago	50	NH Concord	45	UT Salt Lake City	50	QUE Montreal	45
IN Indianapolis	50	NJ Atlantic City	55			YUK Dawson	25

## HIGH SIERRA PROJECTED MONTHLY SAVINGS @ \$.10/KWH



## 0°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Condensing Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
H E R M	MHH 100 L44	(1)	ACF 16-41B	4,920	11.4	4,640	10.8	4,520	10.5	4,390	10.2	4,130	9.6
	MHH 165 L44	(1)	ACF 26-75B	9,090	11.7	8,580	11.0	8,350	10.7	8,110	10.4	7,800	10.0
	MHH 165 L44	(2)	ACF 16-41B	9,300	10.8	8,770	10.2	8,510	9.9	8,260	9.6	7,910	9.2
	MHH 215 L44	(1)	ACF 36-120B	14,180	11.3	13,380	10.7	13,000	10.4	12,630	10.1	12,130	9.7
	MHH 215 L44	(1)	ACF 36-140B	14,700	10.1	13,870	9.5	13,580	9.3	13,140	9.0	12,560	8.6
	MHH 315 L44	(1)	ACF 46-164B	19,040	11.1	17,960	10.5	17,440	10.2	16,930	9.9	16,250	9.5
	MHH 315 L44	(1)	ACF 46-185B	19,540	10.2	18,430	9.6	17,860	9.3	17,280	9.0	16,700	8.7
S E M I - H E R M E T I C	MHS 100 L44	(1)	ACF 26-60B	6,510	10.5	6,140	9.9	6,010	9.7	5,830	9.4	5,460	8.8
	MHS 150 L44	(1)	ACF 26-92B	10,180	10.6	9,600	10.0	9,310	9.7	9,020	9.4	8,450	8.8
	MHS 200 L44	(1)	ACF 36-120B	12,990	10.4	12,250	9.8	11,880	9.5	11,500	9.2	10,750	8.6
	MHS 200 L44	(2)	ACF 26-60B	12,880	10.4	12,150	9.8	11,900	9.6	11,530	9.3	10,790	8.7
	MHS 250 L44	(1)	ACF 36-120B	14,310	11.4	13,500	10.8	13,130	10.5	12,750	10.2	12,000	9.6
	MHS 250 L44	(2)	ACF 26-60B	14,330	11.5	13,520	10.9	13,140	10.6	12,770	10.3	11,900	9.6
	MHS 300 L44	(1)	ACF 46-164B	19,400	11.3	18,300	10.7	17,780	10.4	17,270	10.1	16,250	9.5
	MHS 300 L44	(2)	ACF 26-92B	19,740	10.3	18,620	9.7	18,240	9.5	17,660	9.2	16,510	8.6
	MHS 100 L22	(1)	ACF 26-60B	6,570	10.7	6,200	10.1	6,080	9.8	5,890	9.5	5,580	9.0
	MHS 200 L22	(1)	ACF 26-60B	7,360	11.9	6,940	11.2	6,820	11.0	6,570	10.6	6,200	10.0
	MHS 200 L22	(2)	ACF 16-36B	7,690	10.4	7,250	9.8	7,100	9.6	6,880	9.3	6,440	8.7
	MHS 201 L22	(1)	ACF 26-92B	10,280	10.7	9,700	10.1	9,410	9.8	9,120	9.5	8,540	8.9
	MHS 201 L22	(2)	ACF 16-46B	10,280	10.7	9,700	10.1	9,410	9.8	9,120	9.5	8,540	8.9
	MHS 202 L22	(1)	ACF 36-120B	12,590	10.1	11,880	9.5	11,630	9.3	11,250	9.0	10,500	8.4
MHS 202 L22	(2)	ACF 26-60B	12,610	10.2	11,900	9.6	11,530	9.3	11,160	9.0	10,540	8.5	
MHS 300 L22	(1)	ACF 46-164B	19,220	11.2	18,130	10.6	17,780	10.4	17,100	10.0	16,070	9.4	
MHS 300 L22	(2)	ACF 26-92B	19,740	10.3	18,620	9.7	18,240	9.5	17,660	9.2	16,510	8.6	
D I S C U S	MHD 300 L44	(1)	ACF 66-245B	27,850	10.9	26,270	10.3	25,760	10.1	24,740	9.7	23,210	9.1
	MHD 300 L44	(2)	ACF 36-120B	27,830	11.1	26,250	10.5	25,500	10.2	24,750	9.9	23,250	9.3
	MHD 400 L44	(1)	ACF 66-280B	31,770	10.9	29,970	10.3	29,390	10.1	28,520	9.8	26,480	9.1
	MHD 400 L44	(2)	ACF 36-140B	31,880	10.9	30,080	10.3	29,490	10.1	28,320	9.7	26,570	9.1
	MHD 500 L44	(2)	ACF 46-164B	37,700	11.0	35,570	10.4	34,540	10.1	33,520	9.8	31,460	9.2
	MHD 300 L22	(1)	ACF 56-210B	24,260	11.1	22,890	10.5	22,450	10.3	21,800	10.0	20,490	9.4
	MHD 300 L22	(2)	ACF 36-120B	25,180	10.1	23,750	9.5	23,000	9.2	22,250	8.9	21,000	8.4
	MHD 400 L22	(1)	ACF 66-245B	27,850	10.9	26,270	10.3	25,760	10.1	24,990	9.8	23,460	9.2
	MHD 400 L22	(2)	ACF 36-120B	27,830	11.1	26,250	10.5	25,500	10.2	24,750	9.9	23,250	9.3
	MHD 500 L22	(1)	ACF 66-280B	33,930	11.7	32,010	11.0	31,140	10.7	30,260	10.4	28,520	9.8
MHD 500 L22	(2)	ACF 36-140B	33,740	11.6	31,830	10.9	31,240	10.7	30,370	10.4	28,320	9.7	
S C R O L L	MHO 200 L44	(1)	ACF 26-92B	10,290	10.7	9,700	10.1	9,500	9.9	9,120	9.5	8,640	9.0
	MHO 250 L44	(1)	ACF 36-120B	13,920	11.1	13,130	10.5	12,750	10.2	12,250	9.8	11,630	9.3
	MHO 250 L44	(2)	ACF 26-60B	13,810	11.1	13,020	10.5	12,770	10.3	12,280	9.9	11,660	9.4
	MHO 300 L44	(1)	ACF 36-140B	15,950	10.9	15,040	10.3	14,600	10.0	14,160	9.7	13,430	9.2
	MHO 300 L44	(2)	ACF 26-75B	16,040	10.3	15,130	9.7	14,820	9.5	14,350	9.2	13,570	8.7
	MHO 301 L44	(1)	ACF 46-164B	18,310	10.7	17,270	10.1	16,930	9.9	16,250	9.5	15,390	9.0
	MHO 301 L44	(2)	ACF 26-75B	18,020	11.6	17,000	10.9	16,690	10.7	16,070	10.3	15,290	9.8
	MHO 400 L44	(1)	ACF 46-185B	22,590	11.8	21,310	11.1	20,930	10.9	20,160	10.5	19,200	10.0
	MHO 400 L44	(1)	ACF 56-210B	23,110	10.6	21,800	10.0	21,360	9.8	20,710	9.5	19,620	9.0
	MHO 500 L44	(1)	ACF 66-245B	27,580	10.8	26,010	10.2	25,500	10.0	24,740	9.7	23,210	9.1
MHO 500 L44	(2)	ACF 36-120B	27,560	11.0	26,000	10.4	25,500	10.2	24,500	9.8	23,250	9.3	

## 0°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond. Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
D I S C U S	DHD 5L44	(2)	ACF 46-164B	40,240	11.8	37,960	11.1	36,940	10.8	36,250	10.6	34,540	10.1
	DHD 5L44	(2)	ACF 46-185B	41,110	10.7	38,780	10.1	38,020	9.9	36,864	9.6	35,330	9.2
	DHD 6L44	(2)	ACF 46-185B	45,590	11.9	43,010	11.2	41,860	10.9	41,090	10.7	39,170	10.2
	DHD 6L44	(2)	ACF 56-210B	46,680	10.8	44,040	10.2	43,160	9.9	41,860	9.6	40,110	9.2
	DHD 8L44	(2)	ACF 66-245B	58,380	11.4	55,080	10.8	54,060	10.6	52,530	10.3	50,490	9.9
	DHD 8L44	(2)	ACF 66-280B	59,840	10.3	56,450	9.7	55,290	9.5	54,130	9.3	51,800	8.9
	DHD 9L44	(2)	ACF 66-280B	67,861	11.7	64,020	11.0	62,270	10.7	61,110	10.5	58,200	10.0
	DHD 10L44	(2)	ACF 66-280B	73,420	12.6	69,260	11.9	67,580	11.7	66,350	11.4	63,440	10.9
	DHD 5L22	(1)	ACF 66-280B	35,450	12.2	33,440	11.5	32,590	11.2	32,010	11.0	30,850	10.6
	DHD 5L22	(2)	ACF 46-164B	36,970	10.8	34,880	10.2	38,860	9.9	33,170	9.7	31,810	9.3
	DHD 6L22	(2)	ACF 46-185B	42,340	11.0	39,940	10.4	38,780	10.1	38,020	9.9	36,480	9.5
	DHD 6L22	(2)	ACF 56-210B	43,400	9.9	40,940	9.4	39,680	9.1	38,800	8.9	37,060	8.5
	DHD 8L22	(2)	ACF 56-210B	49,450	11.3	46,650	10.7	45,780	10.5	44,470	10.2	42,730	9.8
	DHD 8L22	(2)	ACF 66-245B	51,360	10.1	48,450	9.5	46,920	9.2	45,900	9.0	43,860	8.6
	DHD 9L22	(2)	ACF 66-245B	57,300	11.2	54,060	10.6	52,530	10.3	51,510	10.1	48,960	9.6
	DHD 9L22	(2)	ACF 66-280B	58,610	10.1	55,290	9.5	54,130	9.3	52,380	9.0	50,630	8.7
DHD 10L22	(2)	ACF 66-280B	64,780	11.1	61,110	10.5	59,360	10.2	58,200	10.0	55,290	9.5	
D I S C U S	DHD 5L44	(1)	ICF 36-385	41,660	10.4	39,300	9.8	38,100	9.5	37,290	9.3	35,690	8.9
	DHD 5L44	(2)	ICF 36-185	41,330	10.7	38,990	10.1	37,830	9.8	37,060	9.6	35,510	9.2
	DHD 6L44	(1)	ICF 36-385	45,910	11.4	43,310	10.8	42,510	10.6	41,300	10.3	39,700	9.9
	DHD 6L44	(2)	ICF 36-185	45,820	11.9	43,230	11.2	42,070	10.9	40,920	10.6	39,370	10.2
	DHD 8L44	(1)	ICF 36-460	57,890	12.1	54,610	11.4	53,170	11.1	51,730	10.8	49,820	10.4
	DHD 8L44	(1)	ICF 36-520	59,060	10.9	55,720	10.3	54,640	10.1	53,020	9.8	50,850	9.4
	DHD 8L44	(2)	ICF 26-270	59,570	10.6	56,200	10.0	55,080	9.8	53,390	9.5	51,140	9.1
	DHD 9L44	(2)	ICF 26-270	67,320	12.0	63,510	11.3	61,820	11.0	60,700	10.8	57,890	10.3
	DHD 9L44	(2)	ICF 26-320	69,890	10.5	65,930	9.9	63,940	9.6	62,600	9.4	59,940	9.0
	DHD 10L44	(2)	ICF 26-320	75,540	11.3	71,260	10.7	69,930	10.5	67,930	10.2	65,270	9.8
	DHD 10L44	(2)	ICF 36-385	78,210	9.8	73,780	9.2	72,180	9.0	69,770	8.7	67,370	8.4
	DHD 12L44	(2)	ICF 36-385	83,320	10.4	78,600	9.8	76,190	9.5	74,590	9.3	71,380	8.9
	DHD 15L44	(2)	ICF 36-460	103,580	10.8	97,720	10.2	95,800	10.0	92,930	9.7	89,090	9.3
	DHD 15L44	(2)	ICF 36-520	105,510	9.8	99,540	9.2	97,380	9.0	95,220	8.8	90,890	8.4
	DHD 5L22	(1)	ICF 26-320	36,710	11.0	34,630	10.4	33,970	10.2	32,970	9.9	31,640	9.5
	DHD 5L22	(1)	ICF 36-385	38,260	9.5	36,090	9.0	35,290	8.8	34,490	8.6	32,880	8.2
	DHD 5L22	(2)	ICF 36-185	38,050	9.1	35,900	9.3	34,740	9.0	33,970	8.8	32,810	8.5
	DHD 6L22	(1)	ICF 36-385	42,510	10.6	40,100	10.0	39,300	9.8	38,100	9.5	36,490	9.1
	DHD 6L22	(2)	ICF 36-185	42,150	10.9	39,760	10.3	38,990	10.1	37,830	9.8	36,280	9.4
	DHD 8L22	(1)	ICF 36-460	50,770	10.6	47,900	10.0	46,460	9.7	45,510	9.5	43,590	9.1
DHD 8L22	(2)	ICF 24-230	50,880	10.7	48,000	10.1	46,560	9.7	45,510	9.5	43,590	9.1	
DHD 9L22	(1)	ICF 36-520	57,920	10.7	54,640	10.1	53,020	9.8	51,940	9.6	49,770	9.2	
DHD 9L22	(2)	ICF 26-270	58,380	10.4	55,080	9.8	53,390	9.5	52,270	9.3	50,020	8.9	
DHD 10L22	(2)	ICF 26-270	63,740	11.3	60,130	10.7	59,010	10.5	57,320	10.2	55,080	9.8	
DHD 10L22	(2)	ICF 26-320	66,360	9.9	62,600	9.4	61,270	9.2	59,270	8.9	57,280	8.6	
DHD 15L22	(2)	ICF 36-385	96,920	12.1	91,430	11.4	89,020	11.1	87,420	10.9	83,410	10.4	
DHD 15L22	(2)	ICF 36-460	100,530	10.5	94,840	9.9	92,930	9.7	90,050	9.4	86,220	9.0	

## 0°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond.	Unit #	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
D I S C U S	DHD 5L44	(1)	UCL 2-361	40,570	12.3	38,270	11.6	37,540	10.4	36,460	10.1	35,020	9.7
	DHD 5L44	(1)	UCL 2-408	41,520	10.2	39,170	9.6	38,350	9.4	37,540	9.2	35,900	8.8
	DHD 6L44	(1)	UCL 2-408	46,280	11.3	43,660	10.7	42,430	10.4	41,620	10.2	39,980	9.8
	DHD 6L44	(1)	UCL 3-445	47,170	10.6	44,500	10.0	43,170	9.7	42,280	9.5	40,500	9.1
	DHD 6L44	(2)	UCL 2-240	47,840	9.9	45,130	9.4	43,680	9.1	42,720	8.9	40,800	8.5
	DHD 8L44	(1)	UCL 3-540	58,960	10.9	55,620	10.3	54,540	10.1	52,920	9.8	50,760	9.4
	DHD 8L44	(1)	UCL 3-613	60,430	9.9	57,010	9.3	55,780	9.1	54,560	8.9	52,110	8.5
	DHD 8L44	(2)	UCL 2-304	60,580	10.0	57,150	9.4	55,940	9.2	54,110	8.9	51,680	8.5
	DHD 9L44	(1)	UCL 3-613	68,230	11.1	64,370	10.5	63,140	10.3	61,300	10.0	58,850	9.6
	DHD 9L44	(1)	UCL 3-660	69,260	10.4	65,340	9.9	64,020	9.7	62,700	9.5	60,060	9.1
	DHD 9L44	(2)	UCL 2-304	68,320	11.2	64,450	10.6	63,230	10.4	61,410	10.1	58,980	9.7
	DHD 10L44	(1)	UCL 3-660	75,560	11.4	71,280	10.8	69,300	10.5	67,980	10.3	64,680	9.8
	DHD 10L44	(2)	UCL 2-361	76,530	10.6	72,200	10.0	70,760	9.8	68,590	9.5	65,700	9.1
	DHD 12L44	(1)	UCL 4-722	81,120	11.2	76,530	10.6	75,090	10.4	72,920	10.1	70,030	9.7
	DHD 12L44	(1)	UCL 4-817	83,140	10.2	78,430	9.6	76,800	9.4	74,350	9.1	71,080	8.7
DHD 12L44	(2)	UCL 2-361	81,120	11.2	76,530	10.6	75,090	10.4	72,920	10.1	70,030	9.7	
DHD 15L44	(1)	UCL 4-950	103,720	10.9	97,850	10.3	95,000	10.0	93,100	9.8	89,300	9.4	
DHD 15L44	(2)	UCL 3-445	102,830	11.6	97,010	10.9	94,340	10.6	91,670	10.3	88,110	9.9	
DHD 15L44	(2)	UCL 3-540	105,320	9.8	99,360	9.2	97,200	9.0	95,040	8.8	90,720	8.4	
D I S C U S	DHD 5L22	(1)	UCL 2-361	37,500	10.4	35,380	9.8	34,300	9.5	33,570	9.3	32,130	8.9
	DHD 6L22	(1)	UCL 2-408	42,810	10.5	40,390	9.9	39,170	9.6	38,350	9.4	36,720	9.0
	DHD 6L22	(1)	UCL 3-445	43,400	9.8	40,940	9.2	40,050	9.0	39,160	8.8	37,380	8.4
	DHD 8L22	(1)	UCL 3-445	50,000	11.2	47,170	10.6	45,840	10.3	44,950	10.1	43,170	9.7
	DHD 8L22	(2)	UCL 2-240	50,880	10.6	48,000	10.0	46,560	9.7	45,600	9.5	43,680	9.1
	DHD 9L22	(1)	UCL 3-540	57,810	10.7	54,540	10.1	53,460	9.9	51,840	9.6	49,680	9.2
	DHD 9L22	(1)	UCL 3-613	59,130	9.6	55,780	9.1	54,560	8.9	53,330	8.7	50,880	8.3
	DHD 9L22	(2)	UCL 2-240	56,480	11.8	53,280	11.1	51,840	10.8	50,880	10.6	48,480	10.1
	DHD 10L22	(1)	UCL 3-613	64,980	10.6	61,300	10.0	60,070	9.8	58,850	9.6	56,400	9.2
DHD 10L22	(2)	UCL 2-304	65,100	10.7	61,410	10.1	60,190	9.9	58,370	9.6	55,940	9.2	
DHD 15L22	(1)	UCL 4-950	100,700	10.6	95,000	10.0	92,150	9.7	90,250	9.5	86,450	9.1	
DHD 15L22	(2)	UCL 3-445	99,060	11.1	93,450	10.5	90,780	10.2	89,000	10.0	85,440	9.6	
S C R O L L	DHO 8L44	(1)	ICF 26-320	38,120	11.5	35,960	10.8	34,970	10.5	33,970	10.2	32,630	9.8
	DHO 8L44	(1)	ICF 36-385	39,110	9.8	36,890	9.2	36,090	9.0	35,290	8.8	33,680	8.4
	DHO 8L44	(2)	ICF 36-185	38,880	10.1	36,670	9.5	35,900	9.3	34,740	9.0	33,200	8.6
	DHO 10L44	(1)	ICF 36-520	57,350	10.6	54,100	10.0	52,480	9.7	51,400	9.5	49,230	9.1
	DHO 10L44	(2)	ICF 26-270	57,790	10.3	54,510	9.7	52,830	9.4	51,700	9.2	49,460	8.8
	DHO 13L44	(2)	ICF 26-270	67,330	12.0	63,510	11.3	62,380	11.1	60,700	10.8	57,890	10.3
DHO 13L44	(2)	ICF 26-320	69,890	10.5	65,930	9.9	63,940	9.6	62,600	9.4	59,940	9.0	
S C R O L L	DHO 8L44	(1)	UCL 2-304	37,380	12.3	35,260	11.6	34,350	11.3	33,440	11.0	32,220	10.6
	DHO 8L44	(1)	UCL 2-361	38,650	10.8	36,460	10.1	35,380	9.8	34,660	9.6	33,210	9.2
	DHO 10L44	(1)	UCL 3-540	57,240	10.6	54,000	10.0	52,920	9.8	51,300	9.5	49,140	9.1
	DHO 10L44	(1)	UCL 3-613	58,490	9.6	55,170	9.0	53,940	8.8	52,110	8.5	50,270	8.2
	DHO 10L44	(2)	UCL 2-240	55,970	11.7	52,800	11.0	51,360	10.7	50,400	10.5	48,000	10.0
	DHO 13L44	(1)	UCL 3-613	68,880	11.3	64,980	10.6	63,140	10.3	61,910	10.1	58,850	9.6
	DHO 13L44	(1)	UCL 3-660	69,270	10.5	65,340	9.9	64,020	9.7	62,700	9.5	59,400	9.0
	DHO 13L44	(2)	UCL 2-304	68,320	11.3	64,450	10.6	63,230	10.4	61,410	10.1	58,980	9.7
DHO 13L44	(2)	UCL 2-361	70,410	9.8	66,420	9.2	64,980	9.0	63,540	8.8	60,650	8.4	

## 0°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond. Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
D I S C U S	VHD 15L44	(1)	UCL 4-950	104,730	11.0	98,800	10.4	96,900	10.2	94,050	9.9	90,250	9.5
	VHD 15L44	(1)	UCL 4-1100	107,270	9.8	101,200	9.2	99,000	9.0	96,800	8.8	92,400	8.4
	VHD 15L44	(2)	UCL 3-445	103,770	11.7	97,900	11.0	95,230	10.7	93,450	10.5	89,000	10.0
	VHD 15L44	(2)	UCL 3-540	107,610	9.9	101,520	9.4	98,280	9.1	96,120	8.9	91,800	8.5
	VHD 22L44	(1)	UCL 4-1100	122,430	11.1	115,500	10.5	112,200	10.2	110,000	10.0	105,600	9.6
	VHD 22L44	(1)	UCL 4-1260	125,550	9.9	118,440	9.4	114,660	9.1	112,140	8.9	107,100	8.5
	VHD 22L44	(2)	UCL 3-540	121,350	11.2	114,480	10.6	112,320	10.4	109,080	10.1	104,760	9.7
	VHD 22L44	(2)	UCL 3-613	124,760	10.2	117,700	9.6	115,240	9.4	111,570	9.1	106,660	8.7
	VHD 27L44	(1)	UCL 4-1380	157,980	11.4	149,040	10.8	144,900	10.5	140,760	10.2	135,240	9.8
	VHD 27L44	(1)	UCL 5-1575	160,270	10.2	151,200	9.6	148,050	9.4	144,900	9.2	138,600	8.8
	VHD 27L44	(2)	UCL 3-660	156,330	11.9	147,840	11.2	143,880	10.9	139,920	10.6	134,640	10.2
	VHD 27L44	(2)	UCL 4-722	159,190	11.0	150,180	10.4	145,840	10.1	142,960	9.9	135,740	9.4
	VHD 27L44	(2)	UCL 4-817	162,820	10.1	153,600	9.4	148,700	9.1	145,430	8.9	138,890	8.5
	VHD 30L44	(1)	UCL 5-1575	178,640	11.3	168,530	10.7	163,800	10.4	160,650	10.2	152,780	9.7
	VHD 30L44	(1)	UCL 5-1725	181,030	10.5	170,780	9.9	167,330	9.7	162,150	9.4	155,250	9.0
	VHD 30L44	(2)	UCL 4-722	174,500	12.1	164,620	11.4	161,730	11.2	157,400	10.9	150,180	10.4
VHD 30L44	(2)	UCL 4-817	180,140	11.0	169,940	10.4	165,030	10.1	161,770	9.9	153,600	9.4	
D I S C U S	VHD 15L22	(1)	UCL 4-817	96,130	11.8	90,690	11.1	88,240	10.8	86,600	10.6	83,330	10.2
	VHD 15L22	(1)	UCL 4-950	99,690	10.5	94,050	9.9	91,200	9.6	89,300	9.4	85,500	9.0
	VHD 15L22	(2)	UCL 2-408	96,010	11.8	90,580	11.1	88,940	10.9	86,500	10.6	83,230	10.2
	VHD 15L22	(2)	UCL 3-445	98,110	11.0	92,560	10.4	89,890	10.1	88,110	9.9	84,550	9.5
	VHD 22L22	(1)	UCL 4-950	111,780	11.8	105,450	11.1	102,600	10.8	100,700	10.6	95,950	10.1
	VHD 22L22	(1)	UCL 4-1100	115,430	10.5	108,900	9.9	105,600	9.6	103,400	9.4	99,000	9.0
	VHD 22L22	(2)	UCL 3-540	114,480	10.6	108,000	10.0	105,840	9.8	102,600	9.5	98,280	9.1
	VHD 27L22	(1)	UCL 4-1260	138,900	11.0	131,040	10.4	128,520	10.2	124,740	9.9	119,700	9.5
	VHD 27L22	(1)	UCL 4-1380	141,890	10.3	133,860	9.7	129,720	9.4	126,960	9.2	121,440	8.8
	VHD 27L22	(2)	UCL 3-613	137,760	11.2	129,960	10.6	127,500	10.4	123,830	10.1	118,920	9.7
	VHD 27L22	(2)	UCL 3-660	139,920	10.6	132,000	10.0	129,360	9.8	125,400	9.5	120,120	9.1
	VHD 30L22	(1)	UCL 4-1380	160,910	11.7	151,800	11.0	147,660	10.7	144,900	10.5	138,000	10.0
	VHD 30L22	(1)	UCL 5-1575	165,290	10.5	155,930	9.9	152,780	9.7	148,050	9.4	141,750	9.0
	VHD 30L22	(2)	UCL 4-722	162,240	11.2	153,060	10.6	148,730	10.3	145,840	10.1	140,070	9.7
	VHD 30L22	(2)	UCL 4-817	166,270	11.2	156,860	9.6	153,600	9.4	148,690	9.1	142,160	8.7

## -10°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Condensing Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
HERMETIC	MHH 100 L44	(1)	ACF 16-36B	3,510	9.7	3,310	9.2	3,240	9.0	3,130	8.7	2,950	8.2
	MHH 165 L44	(1)	ACF 26-60B	6,680	11.1	6,300	10.5	6,120	10.2	6,000	10.0	5,760	9.6
	MHH 215 L44	(1)	ACF 26-92B	10,340	11.2	9,750	10.6	9,570	10.4	9,290	10.1	8,920	9.7
	MHH 215 L44	(1)	ACF 36-120B	11,190	9.3	10,560	8.8	10,320	8.6	9,960	8.3	9,600	8.0
	MHH 215 L44	(2)	ACF 26-60B	11,190	9.3	10,560	8.8	10,320	8.6	9,960	8.3	9,600	8.0
	MHH 315 L44	(1)	ACF 36-120B	13,480	11.2	12,720	10.6	12,360	10.3	12,000	10.0	11,520	9.6
	MHH 315 L44	(1)	ACF 36-140B	13,950	9.9	13,160	9.4	12,880	9.2	12,460	8.9	12,040	8.6
	MHH 315 L44	(2)	ACF 26-60B	13,480	11.2	12,720	10.6	12,360	10.3	12,000	10.0	11,520	9.6
SEMI-HERMETIC	MHS 075 L44	(1)	ACF 16-36B	3,700	10.3	3,490	9.7	3,380	9.4	3,280	9.1	3,100	8.6
	MHS 100 L44	(1)	ACF 16-46B	4,810	10.9	4,540	10.3	4,650	10.1	4,460	9.7	4,230	9.2
	MHS 150 L44	(1)	ACF 26-75B	7,950	10.6	7,500	10.0	7,350	9.8	7,130	9.5	6,750	9.0
	MHS 200 L44	(1)	ACF 26-92B	9,940	10.8	9,380	10.2	9,200	10.0	8,830	9.6	8,370	9.1
	MHS 250 L44	(1)	ACF 26-92B	10,730	11.7	10,120	11.0	9,840	10.7	9,570	10.4	9,110	9.9
	MHS 300 L44	(1)	ACF 36-140B	14,990	10.7	14,140	10.1	13,720	9.8	13,300	9.5	12,600	9.0
	MHS 300 L44	(2)	ACF 26-75B	15,260	10.2	14,400	9.6	13,950	9.3	13,500	9.0	12,750	8.5
	MHS 075 L22	(1)	ACF 16-36B	3,740	10.4	3,530	9.8	3,460	9.6	3,350	9.3	3,170	8.8
	MHS 100 L22	(1)	ACF 16-41B	4,820	11.8	4,550	11.1	4,430	10.8	4,310	10.5	4,060	9.9
	MHS 200 L22	(1)	ACF 16-46B	5,460	11.9	5,150	11.2	5,060	11.0	4,880	10.6	4,600	10.0
	MHS 201 L22	(1)	ACF 26-75B	7,720	10.3	7,280	9.7	7,130	9.5	6,900	9.2	6,450	8.6
	MHS 202 L22	(1)	ACF 26-75B	8,900	11.9	8,400	11.2	8,250	11.0	7,950	10.6	7,500	10.0
MHS 300 L22	(1)	ACF 36-120B	13,860	11.6	13,080	10.9	12,840	10.7	12,480	10.4	11,760	9.8	
MHS 300 L22	(2)	ACF 26-60B	13,860	11.6	13,080	10.9	12,840	10.7	12,480	10.4	11,760	9.8	
DISCUS	MHD 300 L44	(1)	ACF 46-185B	21,180	11.4	19,980	10.8	19,610	10.6	18,870	10.2	17,950	9.7
	MHD 300 L44	(2)	ACF 26-92B	21,060	11.4	19,870	10.8	19,500	10.6	18,950	10.3	17,850	9.7
	MHD 400 L44	(1)	ACF 56-210B	24,260	11.5	22,890	10.9	22,470	10.7	21,630	10.3	20,580	9.8
	MHD 400 L44	(2)	ACF 36-120B	24,930	10.4	23,520	9.8	23,040	9.6	22,320	9.3	21,120	8.8
	MHD 500 L44	(1)	ACF 66-245B	29,090	11.9	27,440	11.2	26,710	10.9	25,970	10.6	24,500	10.0
	MHD 500 L44	(2)	ACF 36-140B	29,680	10.6	28,000	10.0	27,440	9.8	26,600	9.5	25,200	9.0
	MHD 300 L22	(1)	ACF 46-164B	18,250	11.1	17,220	10.5	16,890	10.3	16,400	10.0	15,420	9.4
	MHD 300 L22	(2)	ACF 26-75B	17,810	11.9	16,800	11.2	16,500	11.0	16,050	10.7	15,000	10.0
	MHD 400 L22	(1)	ACF 46-185	20,790	11.2	19,610	10.6	19,240	10.4	18,500	10.0	17,580	9.5
	MHD 400 L22	(2)	ACF 26-92	20,670	11.2	19,500	10.6	19,140	10.4	18,580	10.1	17,480	9.5
	MHD 500 L22	(1)	ACF 56-210	25,150	12.0	23,730	11.3	23,100	11.0	22,470	10.7	21,210	10.1
	MHD 500 L22	(2)	ACF 36-120	25,950	10.8	24,480	10.2	24,000	10.0	23,280	9.7	21,840	9.1
SCROLL	MHO 200 L44	(1)	ACF 26-75B	8,360	11.1	7,880	10.5	7,650	10.2	7,430	9.9	7,050	9.4
	MHO 250 L44	(1)	ACF 26-92B	11,220	12.2	10,580	11.5	10,300	11.2	10,030	10.9	9,480	10.3
	MHO 250 L44	(1)	ACF 36-120B	11,830	9.9	11,160	9.3	10,800	9.0	10,440	8.7	9,960	8.3
	MHO 300 L44	(1)	ACF 36-120B	12,850	10.7	12,120	10.1	11,880	9.9	11,520	9.6	10,920	9.1
	MHO 300 L44	(2)	ACF 26-60B	12,850	10.7	12,120	10.1	11,880	9.9	11,520	9.6	10,920	9.1
	MHO 301 L44	(1)	ACF 36-140B	14,990	10.7	14,140	10.1	13,860	9.9	13,440	9.6	12,740	9.1
	MHO 301 L44	(2)	ACF 26-75B	15,270	10.2	14,400	9.6	13,950	9.3	13,500	9.0	12,750	8.5
	MHO 400 L44	(1)	ACF 46-185B	18,830	10.2	17,760	9.6	17,390	9.4	16,840	9.1	15,910	8.6
	MHO 400 L44	(2)	ACF 26-92B	18,930	10.3	17,850	9.7	17,300	9.4	16,740	9.1	16,010	8.7
	MHO 500 L44	(1)	ACF 56-210B	22,490	10.7	21,210	10.1	20,790	9.9	20,160	9.6	19,110	9.1



## -10°F ROOM TEMPERATURE

Comp	MODEL			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond.	Unit #	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
DISCUS	DHD 5L44	(1)	ACF 66-280B	32,050	11.4	30,240	10.8	29,400	10.5	28,840	10.3	27,720	9.9
	DHD 5L44	(2)	ACF 46-164B	33,030	10.1	31,160	9.5	30,500	9.3	29,850	9.1	28,540	8.7
	DHD 6L44	(2)	ACF 46-164B	36,160	11.0	34,110	10.4	33,460	10.2	32,470	9.9	31,160	9.5
	DHD 6L44	(2)	ACF 46-185B	37,260	10.1	35,150	9.5	34,040	9.2	33,300	9.0	31,820	8.6
	DHD 8L44	(2)	ACF 46-185B	45,100	12.2	42,550	11.5	41,810	11.3	40,700	11.0	39,220	10.6
	DHD 8L44	(2)	ACF 56-210B	46,300	11.0	43,680	10.4	42,840	10.2	42,000	10.0	39,900	9.5
	DHD 9L44	(2)	ACF 56-210B	52,090	12.4	49,140	11.7	48,300	11.5	47,040	11.2	45,360	10.8
	DHD 9L44	(2)	ACF 66-245B	54,020	11.0	50,960	10.4	49,980	10.2	48,510	9.9	46,550	9.5
	DHD 9L44	(2)	ACF 66-280B	55,200	9.9	52,080	9.3	50,960	9.1	49,840	8.9	47,600	8.5
	DHD 10L44	(2)	ACF 66-245B	59,210	12.1	55,860	11.4	54,390	11.1	52,920	10.8	50,960	10.4
DHD 10L44	(2)	ACF 66-280B	60,550	10.8	57,120	10.2	56,000	10.0	54,320	9.7	52,080	9.3	
DISCUS	DHD 5L22	(1)	ACF 66-245B	26,490	10.8	24,990	10.2	24,500	10.0	24,010	9.8	23,030	9.4
	DHD 5L22	(1)	ACF 66-280B	27,310	9.8	25,760	9.2	25,200	9.0	24,640	8.8	23,800	8.5
	DHD 5L22	(2)	ACF 36-120B	26,460	11.0	24,960	10.4	24,480	10.2	23,760	9.9	22,800	9.5
	DHD 6L22	(1)	ACF 66-280B	31,160	11.1	29,400	10.5	28,840	10.3	28,280	10.1	27,160	9.7
	DHD 6L22	(2)	ACF 36-140B	31,160	11.1	29,400	10.5	28,840	10.3	28,280	10.1	27,160	9.7
	DHD 6L22	(2)	ACF 46-164B	32,330	9.9	30,500	9.3	29,850	9.1	29,190	8.9	27,880	8.5
	DHD 8L22	(2)	ACF 46-164B	37,900	11.6	35,750	10.9	35,100	10.7	34,110	10.4	32,800	10.0
	DHD 8L22	(2)	ACF 46-185B	39,220	10.6	37,000	10.0	35,890	9.7	35,150	9.5	33,670	9.1
	DHD 9L22	(2)	ACF 46-185B	43,140	11.7	40,700	11.0	39,960	10.8	38,850	10.5	37,370	10.1
	DHD 9L22	(2)	ACF 56-210B	44,520	10.6	42,000	10.0	41,160	9.8	39,900	9.5	38,220	9.1
DHD 10L22	(2)	ACF 56-210B	48,970	11.7	46,200	11.0	44,940	10.7	44,100	10.5	42,000	10.0	
DHD 10L22	(2)	ACF 66-245B	50,380	10.3	47,530	9.7	46,550	9.5	45,570	9.3	43,610	8.9	
DISCUS	DHD 5L44	(1)	ICF 26-270	31,770	11.8	29,970	11.1	29,430	10.9	28,620	10.6	27,540	10.2
	DHD 6L44	(1)	ICF 26-320	35,960	11.2	33,920	10.6	33,280	10.4	32,320	10.1	31,040	9.7
	DHD 6L44	(2)	ICF 26-150	35,300	11.8	33,300	11.1	32,700	10.9	31,800	10.6	30,600	10.2
	DHD 8L44	(1)	ICF 36-385	43,120	11.9	43,120	11.2	41,970	10.9	41,200	10.7	39,270	10.2
	DHD 8L44	(2)	ICF 36-185	42,550	12.2	42,550	11.5	41,810	11.3	40,700	11.0	39,220	10.6
	DHD 9L44	(1)	ICF 36-460	50,140	11.6	50,140	10.9	49,220	10.7	47,840	10.4	46,000	10.0
	DHD 9L44	(2)	ICF 26-270	51,840	10.2	51,840	9.6	50,760	9.4	49,680	9.2	47,520	8.8
	DHD 10L44	(1)	ICF 36-520	59,530	11.4	56,160	10.8	55,120	10.6	53,560	10.3	51,480	9.9
	DHD 10L44	(2)	ICF 26-270	60,100	11.1	56,700	10.5	55,620	10.3	54,000	10.0	51,840	9.6
	DHD 12L44	(1)	ICF 36-520	62,840	12.1	59,280	11.4	58,240	11.2	56,680	10.9	54,600	10.5
DHD 12L44	(2)	ICF 26-270	63,540	11.8	59,940	11.1	58,320	10.8	57,240	10.6	54,540	10.1	
DHD 15L44	(2)	ICF 36-385	84,070	10.9	79,310	10.3	77,770	10.1	75,460	9.8	72,380	9.4	
DHD 15L44	(2)	ICF 36-460	86,790	9.4	81,880	8.9	80,040	8.7	78,200	8.5	75,440	8.2	
DISCUS	DHD 5L22	(1)	ICF 26-270	27,190	10.1	25,650	9.5	25,110	9.3	24,570	9.1	23,490	8.7
	DHD 5L22	(2)	ICF 26-130	27,010	10.4	25,480	9.8	24,960	9.6	24,180	9.3	23,400	9.0
	DHD 6L22	(1)	ICF 26-270	30,910	11.4	29,160	10.8	28,620	10.6	27,810	10.3	26,730	9.9
	DHD 6L22	(2)	ICF 26-150	31,800	10.6	30,000	10.0	29,400	9.8	28,500	9.5	27,300	9.1
	DHD 8L22	(2)	ICF 36-185	39,220	10.6	37,000	10.0	35,890	9.7	35,150	9.5	33,670	9.1
	DHD 9L22	(1)	ICF 36-385	43,670	11.3	41,200	10.7	40,430	10.5	39,270	10.2	37,730	9.8
	DHD 9L22	(2)	ICF 36-185	43,140	11.7	40,700	11.0	39,960	10.8	38,850	10.5	37,370	10.1
	DHD 10L22	(1)	ICF 36-460	49,740	10.8	46,920	10.2	46,000	10.0	45,080	9.8	43,240	9.4
	DHD 10L22	(2)	ICF 26-270	51,520	9.5	48,600	9.0	47,520	8.8	46,440	8.6	44,280	8.2
	DHD 15L22	(2)	ICF 26-320	74,620	11.7	70,400	11.0	69,120	10.8	67,200	10.5	64,640	10.1
DHD 15L22	(2)	ICF 36-385	78,360	10.2	73,920	9.6	71,610	9.3	70,070	9.1	66,990	8.7	

## -10°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond.	Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr
D I S C U S	DHD 5L44	(1)	UCL 2-304	32,210	11.3	30,390	10.7	29,540	10.4	28,970	10.2	27,830	9.8
	DHD 5L44	(1)	UCL 2-361	33,320	9.9	31,430	9.3	30,760	9.1	29,740	8.8	28,730	8.5
	DHD 6L44	(1)	UCL 2-361	36,550	10.8	34,480	10.2	33,460	9.9	32,790	9.7	31,430	9.3
	DHD 6L44	(1)	UCL 2-408	37,250	9.8	35,140	9.2	34,380	9.0	33,620	8.8	32,090	8.4
	DHD 8L44	(1)	UCL 3-445	46,300	11.1	43,680	10.5	42,850	10.3	41,600	10.0	39,940	9.6
	DHD 8L44	(2)	UCL 2-240	47,010	10.5	44,350	9.9	43,460	9.7	42,560	9.5	40,770	9.1
	DHD 9L44	(1)	UCL 3-540	54,600	10.8	51,510	10.2	50,000	9.9	48,990	9.7	46,970	9.3
	DHD 9L44	(1)	UCL 3-613	55,880	9.8	52,720	9.2	51,570	9.0	49,850	8.7	48,130	8.4
	DHD 9L44	(2)	UCL 2-240	53,190	11.9	50,180	11.2	48,830	10.9	47,940	10.7	45,700	10.2
	DHD 10L44	(1)	UCL 3-540	59,420	11.8	56,060	11.1	54,540	10.8	53,530	10.6	51,010	10.1
	DHD 10L44	(1)	UCL 3-613	60,740	10.6	57,300	10.0	56,150	9.8	55,010	9.6	52,720	9.2
	DHD 10L44	(2)	UCL 2-304	60,810	10.7	57,370	10.1	56,230	9.9	54,530	9.6	52,260	9.2
	DHD 12L44	(1)	UCL 3-613	64,380	11.2	60,740	10.6	59,020	10.3	57,870	10.1	55,580	9.7
	DHD 12L44	(2)	UCL 2-304	64,430	11.3	60,780	10.7	59,070	10.4	57,940	10.2	55,100	9.7
	DHD 15L44	(1)	UCL 4-817	84,230	11.0	79,460	10.4	77,160	10.1	75,640	9.9	72,580	9.5
	DHD 15L44	(1)	UCL 4-950	86,700	10.0	81,790	9.2	80,010	9.0	78,230	8.8	74,680	8.4
DHD 15L44	(2)	UCL 2-408	84,230	11.0	79,460	10.4	77,160	10.1	75,640	9.9	72,580	9.5	
DHD 15L44	(2)	UCL 3-445	85,540	10.0	80,700	9.7	79,040	9.5	76,540	9.2	74,050	8.9	
D I S C U S	DHD 5L22	(1)	UCL 2-240	26,120	11.7	24,640	11.0	23,970	10.7	23,520	10.5	22,620	10.1
	DHD 5L22	(1)	UCL 2-304	27,390	9.6	25,840	9.1	25,280	8.9	24,710	8.7	23,860	8.4
	DHD 6L22	(1)	UCL 2-304	31,310	11.0	29,540	10.4	28,970	10.2	28,400	10.0	26,980	9.5
	DHD 6L22	(1)	UCL 2-361	32,610	9.6	30,760	9.1	30,080	8.9	29,410	8.7	28,050	8.3
	DHD 8L22	(1)	UCL 2-361	38,340	11.3	36,170	10.7	35,150	10.4	34,480	10.2	33,120	9.8
	DHD 8L22	(1)	UCL 2-408	39,270	10.3	37,050	9.7	36,290	9.5	35,530	9.3	34,000	8.9
	DHD 9L22	(1)	UCL 2-408	43,740	11.4	41,260	10.8	40,110	10.5	39,350	10.3	37,820	9.9
	DHD 9L22	(1)	UCL 3-445	44,540	10.7	42,020	10.1	40,770	9.8	39,940	9.6	38,270	9.2
	DHD 9L22	(2)	UCL 2-240	45,110	10.1	42,560	9.5	41,660	9.3	40,770	9.1	38,980	8.7
	DHD 10L22	(1)	UCL 3-540	50,860	10.1	47,980	9.5	46,970	9.3	45,960	9.1	43,940	8.7
	DHD 10L22	(2)	UCL 2-240	49,390	11.0	46,590	10.4	45,700	10.2	44,800	10.0	43,010	9.6
	DHD 15L22	(1)	UCL 4-722	75,840	11.0	71,550	10.6	70,200	10.4	68,180	10.1	65,480	9.7
DHD 15L22	(1)	UCL 4-817	77,740	10.0	73,340	9.6	71,820	9.4	70,290	9.2	67,230	8.8	
DHD 15L22	(2)	UCL 2-361	75,960	11.0	71,660	10.6	69,630	10.3	68,280	10.1	65,570	9.7	
DHD 15L22	(2)	UCL 2-408	77,740	10.0	73,340	9.6	71,820	9.4	70,290	9.2	67,230	8.8	
S C R O L L	DHO 8L44	(1)	ICF 26-270	30,910	11.4	29,160	10.8	28,350	10.5	27,540	10.2	26,460	9.8
	DHO 8L44	(1)	ICF 26-320	31,890	10.0	30,080	9.4	29,120	9.1	28,480	8.9	27,200	8.5
	DHO 8L44	(2)	ICF 26-150	31,490	10.5	29,700	9.9	28,800	9.6	28,200	9.4	27,000	9.0
	DHO 10L44	(1)	ICF 36-385	44,900	11.7	42,350	11.0	41,580	10.8	40,430	10.5	38,890	10.1
	DHO 10L44	(1)	ICF 36-460	46,330	10.1	43,700	9.5	42,780	9.3	41,860	9.1	40,020	8.7
	DHO 13L44	(1)	ICF 36-520	55,680	10.7	52,520	10.1	51,480	9.9	50,440	9.7	47,840	9.2
	DHO 13L44	(2)	ICF 26-270	56,100	10.4	52,920	9.8	51,840	9.6	50,760	9.4	48,600	9.0
S C R O L L	DHO 8L44	(1)	UCL 2-304	31,010	10.9	29,250	10.3	28,680	10.1	27,830	9.8	26,700	9.4
	DHO 8L44	(1)	UCL 2-361	31,890	9.4	30,080	8.9	29,410	8.7	28,730	8.5	27,380	8.1
	DHO 10L44	(1)	UCL 3-445	45,860	11.0	43,260	10.4	42,020	10.1	41,180	9.9	39,100	9.4
	DHO 10L44	(2)	UCL 2-240	46,540	10.4	43,900	9.8	42,560	9.5	41,660	9.3	39,870	8.9
	DHO 13L44	(1)	UCL 3-540	55,680	11.0	52,520	10.4	51,010	10.1	50,000	9.9	47,980	9.5
	DHO 13L44	(1)	UCL 3-613	57,100	10.0	53,860	9.4	52,140	9.1	51,000	8.9	48,710	8.5
DHO 13L44	(2)	UCL 2-304	56,600	10.0	53,390	9.4	52,260	9.2	51,120	9.0	48,850	8.6	

## -10°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond. Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
DISCUS	VHD 15L44	(1)	UCL 4-817	85,030	11.1	80,220	10.5	78,690	10.3	76,400	10.0	73,340	9.6
	VHD 15L44	(1)	UCL 4-950	87,640	9.9	82,680	9.3	80,900	9.1	79,120	8.9	75,570	8.5
	VHD 15L44	(2)	UCL 2-408	85,030	11.1	80,220	10.5	78,690	10.3	76,400	10.0	73,340	9.6
	VHD 15L44	(2)	UCL 3-445	86,430	10.4	81,540	9.8	79,870	9.6	78,210	9.4	74,880	9.0
	VHD 22L44	(1)	UCL 4-950	98,950	11.1	93,350	10.5	90,680	10.2	88,900	10.0	85,340	9.6
	VHD 22L44	(1)	UCL 4-1100	101,440	9.9	95,700	9.3	93,640	9.1	91,580	8.9	87,470	8.5
	VHD 22L44	(2)	UCL 3-445	97,890	11.8	92,350	11.1	89,860	10.8	87,360	10.5	84,030	10.1
	VHD 22L44	(2)	UCL 3-540	101,710	10.1	95,950	9.5	92,920	9.2	90,900	9.0	86,860	8.6
	VHD 27L44	(1)	UCL 4-1100	124,350	12.1	117,310	11.4	114,220	11.1	112,160	10.9	107,020	10.4
	VHD 27L44	(1)	UCL 4-1260	127,370	10.8	120,160	10.2	117,800	10.0	114,270	9.7	109,550	9.3
	VHD 27L44	(2)	UCL 3-540	123,120	12.2	116,150	11.5	114,130	11.3	111,100	11.0	107,060	10.6
	VHD 27L44	(2)	UCL 3-613	126,330	11.0	119,180	10.4	116,890	10.2	114,600	10.0	108,870	9.5
	VHD 27L44	(2)	UCL 3-660	128,190	10.4	120,930	9.8	118,460	9.6	116,000	9.4	111,060	9.0
	VHD 30L44	(1)	UCL 4-1260	141,100	12.0	133,110	11.3	129,580	11.0	127,220	10.8	121,330	10.3
	VHD 30L44	(1)	UCL 4-1380	143,580	11.1	135,450	10.5	131,580	10.2	129,000	10.0	123,840	9.6
	VHD 30L44	(2)	UCL 3-660	142,580	11.6	134,510	10.9	130,800	10.6	128,340	10.4	122,170	9.9
VHD 30L44	(2)	UCL 4-722	144,530	10.7	136,350	10.1	133,650	9.9	129,600	9.6	124,200	9.2	
DISCUS	VHD 15L22	(1)	UCL 4-722	75,140	11.1	70,880	10.5	68,850	10.2	67,500	10.0	64,800	9.6
	VHD 15L22	(1)	UCL 4-817	76,940	10.1	72,580	9.5	71,050	9.3	69,520	9.1	66,470	8.7
	VHD 15L22	(2)	UCL 2-361	75,240	11.1	70,980	10.5	68,950	10.2	67,600	10.0	64,900	9.6
	VHD 15L22	(2)	UCL 2-408	76,940	10.1	72,580	9.5	71,050	9.3	69,520	9.1	66,470	8.7
	VHD 22L22	(1)	UCL 4-817	86,660	11.3	81,750	10.7	79,460	10.4	77,930	10.2	74,870	9.8
	VHD 22L22	(1)	UCL 4-950	89,530	10.1	84,460	9.5	82,680	9.3	80,010	9.0	77,340	8.7
	VHD 22L22	(2)	UCL 2-408	97,260	11.3	91,750	10.7	79,460	10.4	77,930	10.2	74,870	9.8
	VHD 22L22	(2)	UCL 3-445	88,200	10.6	83,200	10.0	81,540	9.8	79,040	9.5	75,710	9.1
	VHD 27L22	(1)	UCL 4-950	106,490	12.0	100,460	11.3	98,680	11.1	96,010	10.8	92,460	10.4
	VHD 27L22	(1)	UCL 4-1100	110,170	10.7	103,930	10.1	101,870	9.9	98,784	9.6	94,690	9.2
	VHD 27L22	(1)	UCL 4-1260	113,640	9.6	107,200	9.1	104,840	8.9	101,310	8.6	97,770	8.3
	VHD 27L22	(2)	UCL 3-540	110,280	10.9	104,030	10.3	101,000	10.0	98,980	9.8	94,940	9.4
	VHD 27L22	(2)	UCL 3-613	112,980	9.9	106,580	9.3	104,290	9.1	100,850	8.8	97,410	8.5
	VHD 30L22	(1)	UCL 4-1100	123,260	12.0	116,280	11.3	113,190	11.0	110,100	10.7	105,990	10.3
	VHD 30L22	(1)	UCL 4-1260	126,120	10.7	118,980	10.1	116,620	9.9	114,270	9.7	109,550	9.3
	VHD 30L22	(2)	UCL 3-540	122,050	12.1	115,140	11.4	113,120	11.2	110,090	10.9	106,050	10.5
VHD 30L22	(2)	UCL 3-613	126,340	11.0	119,180	10.4	115,750	10.1	113,450	9.9	108,870	9.5	
VHD 30L22	(2)	UCL 3-660	128,190	10.4	120,930	9.8	117,230	9.5	114,760	9.3	109,830	8.9	

## -20°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Condensing Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
HERM	MHH 160 L44	(1)	ACF 16-41B	4,380	11.2	4,130	10.6	4,060	10.4	3,940	10.1	3,822	9.8
	MHH 160 L44	(1)	ACF 16-46B	4,570	10.4	4,310	9.8	4,220	9.6	4,090	9.3	3,960	9.0
	MHH 310 L44	(1)	ACF 26-92B	10,050	11.6	9,480	10.9	9,310	10.7	9,050	10.4	8,700	10.0
	MHH 310 L44	(1)	ACF 36-120B	10,760	9.4	10,150	8.9	9,920	8.7	9,580	8.4	9,230	8.1
	MHH 310 L44	(2)	ACF 26-60B	10,760	9.4	10,150	8.9	9,920	8.7	9,580	8.4	9,230	8.1
SEMI-HERM	MHS 100 L44	(1)	ACF 16-36B	3,820	11.2	3,600	10.6	3,500	10.3	3,400	10.0	3,200	9.4
	MHS 150 L44	(1)	ACF 26-60B	6,110	10.7	5,760	10.1	5,640	9.9	5,420	9.5	5,130	9.0
	MHS 200 L44	(1)	ACF 26-75B	7,600	10.7	7,170	10.1	6,960	9.8	6,750	9.5	6,390	9.0
	MHS 250 L44	(1)	ACF 26-75B	7,670	10.8	7,240	10.2	7,100	10.0	6,890	9.7	6,530	9.2
	MHS 300 L44	(1)	ACF 26-92B	10,320	11.9	9,740	11.2	9,570	11.0	9,310	10.7	8,790	10.1
	MHS 300 L44	(2)	ACF 16-46B	10,450	11.9	9,860	11.2	9,590	10.9	9,330	10.6	8,800	10.0
	MHS 100 L22	(1)	ACF 16-36B	3,600	10.6	3,400	10.0	3,330	9.8	3,230	9.5	3,030	8.9
	MHS 200 L22	(1)	ACF 16-41B	4,130	10.6	3,900	10.0	3,780	9.7	3,710	9.5	3,470	8.9
	MHS 201 L22	(1)	ACF 16-46B	5,170	11.8	4,880	11.1	4,750	10.8	4,620	10.5	4,400	10.0
	MHS 202 L22	(1)	ACF 26-60B	6,580	11.6	6,210	10.9	6,040	10.6	5,870	10.3	5,530	9.7
DISCUS	MHD 300 L44	(1)	ACF 36-140B	15,510	11.7	14,630	11.0	14,230	10.7	13,830	10.4	13,030	9.8
	MHD 300 L44	(2)	ACF 26-75B	15,800	11.1	14,910	10.5	14,480	10.2	14,060	9.9	13,210	9.3
	MHD 400 L44	(1)	ACF 46-185B	19,590	11.1	18,480	10.5	17,950	10.2	17,420	9.9	16,370	9.3
	MHD 400 L44	(2)	ACF 26-92B	19,550	11.2	18,440	10.6	17,920	10.3	17,400	10.0	16,360	9.4
	MHD 500 L44	(1)	ACF 56-210B	22,680	11.3	21,400	10.7	20,800	10.4	20,200	10.1	19,000	9.5
	MHD 500 L44	(2)	ACF 36-120B	23,200	10.2	21,890	9.6	21,430	9.4	20,750	9.1	19,380	8.5
	MHD 300 L22	(1)	ACF 36-120B	13,050	11.4	12,310	10.8	12,080	10.6	11,740	10.3	11,060	9.7
	MHD 300 L22	(2)	ACF 26-60B	13,050	11.4	12,310	10.8	12,080	10.6	11,740	10.3	11,060	9.7
	MHD 400 L22	(1)	ACF 36-140B	14,950	11.2	14,100	10.6	13,830	10.4	13,300	10.0	12,635	9.5
	MHD 400 L22	(2)	ACF 26-75B	15,200	10.7	14,340	10.1	14,660	9.9	13,630	9.6	12,480	9.0
SCROLL	MHO 200 L44	(1)	ACF 36-140B	6,410	11.2	6,040	10.6	5,930	10.4	5,760	10.1	5,470	9.6
	MHO 250 L44	(2)	ACF 26-75B	9,230	10.6	8,700	10.0	8,530	9.8	8,270	9.5	7,830	9.0
	MHO 300 L44	(1)	ACF 46-185B	10,150	11.7	9,570	11.0	9,400	10.8	9,140	10.5	8,610	9.9
	MHO 301 L44	(2)	ACF 26-92B	12,090	10.6	11,400	10.0	11,170	9.8	10,830	9.5	10,260	9.0
	MHO 301 L44	(1)	ACF 56-210B	12,090	10.6	11,400	10.0	11,170	9.8	10,830	9.5	10,260	9.0
	MHO 400 L44	(2)	ACF 36-120B	13,660	12.0	12,880	11.3	12,650	11.1	12,200	10.7	11,630	10.2
	MHO 400 L44	(1)	ACF 36-140B	14,240	10.7	13,430	10.1	13,030	9.8	12,640	9.5	12,100	9.1
	MHO 400 L44	(1)	ACF 36-140B	14,450	10.2	13,630	9.6	13,210	9.3	12,780	9.0	12,210	8.6
	MHO 500 L44	(2)	ACF 26-75B	17,650	11.8	16,650	11.1	16,350	10.9	15,750	10.5	15,000	10.0
	MHO 500 L44	(2)	ACF 26-60B	18,290	10.4	17,250	9.8	16,900	9.6	16,370	9.3	15,490	8.8
MHO 500 L44	(1)	ACF 36-140B	18,270	10.5	17,230	9.9	16,880	9.7	16,180	9.3	15,490	8.9	

## -20°F ROOM TEMPERATURE

Comp	MODEL			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond. Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
D I S C U S	DHD 5L44	(1)	ACF 66-245B	24,940	10.7	23,530	10.1	22,830	9.8	22,370	9.6	21,440	9.2
	DHD 5L44	(2)	ACF 36-120B	24,660	10.8	23,260	10.2	22,800	10.0	22,340	9.8	21,430	9.4
	DHD 6L44	(1)	ACF 66-245B	26,920	11.6	25,400	10.9	24,930	10.7	24,230	10.4	23,300	10.0
	DHD 6L44	(1)	ACF 66-280B	27,910	10.5	26,330	9.9	25,800	9.7	25,000	9.4	23,940	9.0
	DHD 6L44	(2)	ACF 36-140B	27,910	10.5	26,330	9.9	25,800	9.7	25,000	9.4	23,940	9.0
	DHD 8L44	(2)	ACF 46-164B	34,980	11.7	33,000	11.0	32,100	10.7	31,500	10.5	30,000	10.0
	DHD 8L44	(2)	ACF 46-185B	36,190	10.3	34,140	9.7	33,440	9.5	32,380	9.2	30,980	8.8
	DHD 9L44	(2)	ACF 46-185B	41,040	11.7	38,720	11.0	38,020	10.8	36,960	10.5	35,550	10.1
	DHD 9L44	(2)	ACF 56-210B	42,400	10.6	40,000	10.0	39,200	9.8	38,000	9.5	36,400	9.1
	DHD 10L44	(2)	ACF 56-210B	45,790	11.4	43,200	10.8	42,400	10.6	41,200	10.3	39,600	9.9
DHD 10L44	(2)	ACF 66-245B	47,420	10.2	44,740	9.6	43,800	9.4	42,870	9.2	41,010	8.8	
DHD 12L44	(2)	ACF 66-245B	49,890	10.7	47,070	10.1	45,670	9.8	44,740	9.6	42,870	9.2	
D I S C U S	DHD 5L22	(1)	ACF 46-185B	19,220	10.9	18,130	10.3	17,780	10.1	17,250	9.8	16,720	9.5
	DHD 5L22	(2)	ACF 26-92B	19,190	11.0	18,100	10.4	17,750	10.2	17,230	9.9	16,530	9.5
	DHD 6L22	(1)	ACF 56-210B	22,900	11.4	21,600	10.8	21,200	10.6	20,600	10.3	19,800	9.9
	DHD 6L22	(1)	ACF 66-245B	23,710	10.2	22,370	9.6	21,900	9.4	21,440	9.2	20,500	8.8
	DHD 6L22	(2)	ACF 36-120B	23,680	10.4	22,340	9.8	21,890	9.6	21,430	9.4	20,520	9.0
	DHD 8L22	(1)	ACF 66-280B	28,760	10.8	27,130	10.2	26,600	10.0	26,070	9.8	25,000	9.4
	DHD 8L22	(2)	ACF 36-140B	28,760	10.8	27,130	10.2	26,600	10.0	26,070	9.8	25,000	9.4
	DHD 8L22	(2)	ACF 46-164B	29,570	9.9	27,900	9.3	27,300	9.1	26,700	8.9	25,500	8.5
	DHD 9L22	(1)	ACF 66-280B	31,300	11.8	29,530	11.1	28,990	10.9	28,460	10.7	27,130	10.2
	DHD 9L22	(2)	ACF 46-164B	32,440	10.8	30,600	10.2	30,000	10.0	29,100	9.7	28,200	9.4
DHD 10L22	(2)	ACF 46-185B	36,570	10.4	34,500	9.8	33,790	9.6	33,090	9.4	31,680	9.0	
D I S C U S	DHD 5L44	(1)	ICF 26-270	25,330	9.9	23,900	9.3	23,390	9.1	22,870	8.9	21,850	8.5
	DHD 5L44	(2)	ICF 26-130	25,240	10.2	23,810	9.6	23,310	9.4	22,570	9.1	21,820	8.8
	DHD 6L44	(1)	ICF 26-270	27,520	10.7	25,960	10.1	25,440	9.9	24,930	9.7	23,900	9.3
	DHD 6L44	(2)	ICF 26-130	27,340	11.0	25,790	10.4	25,300	10.2	24,800	10.0	23,810	9.6
	DHD 8L44	(1)	ICF 26-320	34,920	11.4	32,940	10.8	32,330	10.6	31,420	10.3	30,200	9.9
	DHD 8L44	(2)	ICF 36-185	36,190	10.3	34,140	9.7	33,440	9.5	32,380	9.2	30,980	8.8
	DHD 9L44	(1)	ICF 36-385	41,630	11.3	39,270	10.7	38,170	10.4	37,430	10.2	35,970	9.8
	DHD 9L44	(2)	ICF 36-185	41,040	11.7	38,720	11.0	38,020	10.8	36,960	10.5	35,550	10.1
	DHD 10L44	(1)	ICF 36-460	46,890	10.7	44,240	10.1	43,360	9.9	42,050	9.6	40,300	9.2
	DHD 10L44	(2)	ICF 24-230	46,890	10.7	44,240	10.1	43,360	9.9	42,050	9.6	40,300	9.2
DHD 12L44	(1)	ICF 36-460	49,220	10.9	46,430	10.3	45,120	10.3	44,240	10.1	42,490	9.7	
DHD 12L44	(2)	ICF 26-270	50,670	9.9	47,800	9.3	46,770	9.1	45,750	8.9	43,690	8.5	
DHD 15L44	(2)	ICF 26-270	62,660	12.2	59,110	11.5	57,570	11.2	56,540	11.0	54,480	10.6	
DHD 15L44	(2)	ICF 26-320	65,310	10.7	61,610	10.1	60,390	9.9	58,560	9.6	56,120	9.2	
D I S C U S	DHD 5L22	(1)	ICF 36-185	19,220	10.9	18,130	10.3	17,780	10.1	17,250	9.8	16,720	9.5
	DHD 6L22	(1)	ICF 26-270	24,240	9.4	22,870	8.9	22,360	8.7	21,850	8.5	21,070	8.2
	DHD 8L22	(1)	ICF 26-270	28,610	11.1	26,990	10.5	26,470	10.3	25,700	10.0	24,670	9.6
	DHD 8L22	(2)	ICF 26-150	29,400	10.3	27,740	9.7	27,170	9.5	26,310	9.2	25,450	8.9
	DHD 9L22	(1)	ICF 26-320	32,660	10.7	30,810	10.1	29,890	9.8	29,280	9.6	28,060	9.2
	DHD 9L22	(2)	ICF 26-150	32,140	11.2	30,320	10.6	29,460	10.3	28,890	10.1	27,740	9.7
	DHD 10L22	(1)	ICF 26-320	35,560	11.8	33,550	11.1	32,640	10.7	32,030	10.5	30,810	10.1
	DHD 10L22	(2)	ICF 36-185	36,570	10.4	34,500	9.8	33,790	9.6	33,090	9.4	31,680	9.0
	DHD 15L22	(1)	ICF 36-520	55,619	11.3	52,470	10.6	51,480	10.4	50,490	10.2	48,510	9.8
	DHD 15L22	(2)	ICF 26-270	56,120	10.9	52,940	10.3	51,910	10.1	50,890	9.9	48,830	9.5
DHD 15L22	(2)	ICF 26-320	58,840	9.6	55,510	9.1	54,290	8.9	53,070	8.7	50,630	8.3	

## -20°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond. Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
DISCUS	DHD 5L44	(1)	UCL 2-240	24,150	11.6	22,780	10.9	22,360	10.7	21,950	10.5	20,900	10.0
	DHD 6L44	(1)	UCL 2-304	27,710	10.5	36,140	9.9	25,610	9.7	25,080	9.5	24,020	9.1
	DHD 8L44	(1)	UCL 2-361	35,280	11.2	33,280	10.6	32,340	10.3	31,710	10.1	30,460	9.7
	DHD 8L44	(1)	UCL 2-408	36,120	10.2	34,080	9.6	33,370	9.4	32,660	9.2	31,240	8.8
	DHD 9L44	(1)	UCL 2-408	41,880	11.7	39,050	11.0	37,990	10.7	37,280	10.5	35,500	10.0
	DHD 9L44	(1)	UCL 3-445	42,250	10.9	39,860	10.3	38,700	10.0	37,930	9.8	36,380	9.4
	DHD 10L44	(1)	UCL 3-445	45,540	11.8	42,960	11.1	42,180	10.9	41,020	10.6	39,470	10.2
	DHD 10L44	(1)	UCL 3-540	47,830	10.2	45,120	9.6	43,710	9.3	42,770	9.1	40,890	8.7
	DHD 10L44	(2)	UCL 2-240	46,520	11.1	43,890	10.5	42,640	10.2	41,800	10.0	40,130	9.6
	DHD 12L44	(1)	UCL 3-540	49,820	10.6	47,000	10.0	46,060	9.8	44,650	9.5	43,240	9.2
	DHD 12L44	(2)	UCL 2-240	48,290	11.6	45,560	10.9	44,730	10.7	43,470	10.4	41,800	10.0
	DHD 15L44	(1)	UCL 3-660	64,490	11.3	60,840	10.6	59,120	10.3	57,970	10.1	55,680	9.7
	DHD 15L44	(1)	UCL 4-722	65,800	10.5	62,070	9.9	60,820	9.7	58,940	9.4	56,430	9.0
	DHD 15L44	(2)	UCL 2-304	63,240	12.0	59,660	11.3	58,080	11.0	57,020	10.8	54,380	10.3
DHD 15L44	(2)	UCL 2-361	65,900	10.5	62,170	9.9	60,290	9.6	59,030	9.4	56,520	9.0	
DISCUS	DHD 5L22	(1)	UCL 1-193	18,880	11.2	17,810	10.6	17,470	10.4	17,140	10.2	16,460	9.8
	DHD 6L22	(1)	UCL 2-240	23,270	11.1	21,950	10.5	21,320	10.2	20,900	10.0	20,060	9.6
	DHD 8L22	(1)	UCL 2-304	28,820	10.9	27,190	10.3	26,600	10.1	25,870	9.8	24,820	9.4
	DHD 9L22	(1)	UCL 2-304	31,340	11.9	29,570	11.2	29,040	11.0	28,250	10.7	27,190	10.3
	DHD 9L22	(1)	UCL 2-361	32,620	10.4	30,770	9.8	30,140	9.6	29,520	9.4	28,260	9.0
	DHD 10L22	(1)	UCL 2-361	35,620	11.3	33,600	10.7	32,970	10.5	32,340	10.3	31,090	9.9
	DHD 10L22	(1)	UCL 2-408	36,870	10.4	34,790	9.8	34,080	9.6	33,010	9.3	31,950	9.0
	DHD 10L22	(1)	UCL 3-445	37,740	9.8	35,600	9.2	34,440	8.9	33,670	8.7	32,510	8.4
	DHD 15L22	(1)	UCL 3-540	54,800	11.7	51,700	11.0	50,760	10.8	49,820	10.6	47,940	10.2
DHD 15L22	(1)	UCL 3-613	57,060	10.7	53,830	10.1	52,230	9.8	51,170	9.6	49,040	9.2	
DHD 15L22	(2)	UCL 2-304	56,530	10.7	53,330	10.1	52,270	9.9	51,220	9.7	49,100	9.3	
SCROLL	DHO 8L44	(1)	ICF 26-270	25,340	9.9	23,900	9.3	23,390	9.1	22,620	8.8	21,850	8.5
	DHO 10L44	(1)	ICF 26-320	35,570	11.7	33,550	11.0	32,640	10.7	32,030	10.5	30,500	10.0
	DHO 10L44	(1)	ICF 36-385	36,970	10.1	34,870	9.5	33,760	9.2	33,030	9.0	31,560	8.6
	DHO 13L44	(1)	ICF 36-385	43,190	11.8	40,740	11.1	40,000	10.9	38,900	10.6	37,430	10.2
	DHO 13L44	(1)	ICF 36-460	45,040	10.3	42,490	9.7	41,170	9.4	40,300	9.2	38,540	8.8
	DHO 8L44	(1)	UCL 2-240	24,370	11.7	22,990	11.0	22,360	10.7	21,950	10.5	20,900	10.0
	DHO 8L44	(1)	UCL 2-304	25,470	9.6	24,020	9.1	23,500	8.9	22,970	8.7	21,910	8.3
	DHO 10L44	(1)	UCL 2-361	35,620	11.3	33,600	10.7	32,970	10.5	32,030	10.2	30,770	9.8
	DHO 10L44	(1)	UCL 2-408	36,510	10.3	34,440	9.7	33,730	9.5	33,020	9.3	31,600	8.9
	DHO 13L44	(1)	UCL 2-408	42,900	12.1	40,470	11.4	39,760	11.2	38,700	10.9	37,280	10.5
	DHO 13L44	(1)	UCL 3-445	43,900	11.3	41,410	10.7	40,250	10.4	39,470	10.2	37,930	9.8
	DHO 13L44	(1)	UCL 3-540	45,340	9.6	42,770	9.1	41,830	8.9	40,890	8.7	39,010	8.3
DHO 13L44	(2)	UCL 2-240	44,310	10.6	41,800	10.0	40,960	9.8	40,130	9.6	38,460	9.2	

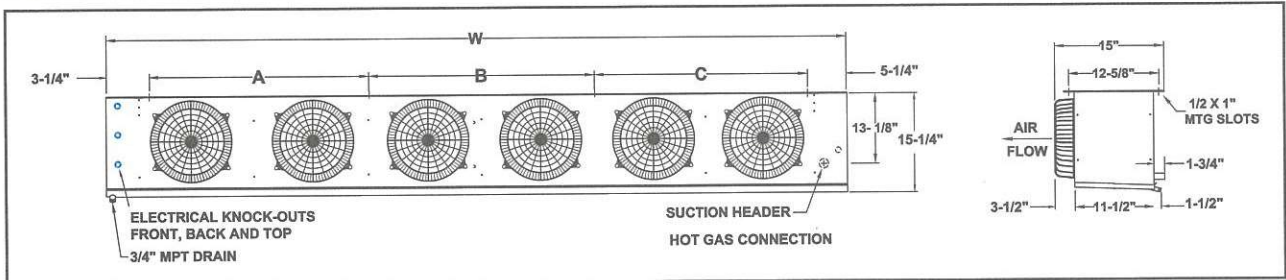
## -20°F ROOM TEMPERATURE

Comp	MODEL NUMBER			AMBIENT TEMPERATURE									
				80°		90°		95°		100°		110°	
	Cond. Unit	#	Evaporator	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD	BTU/hr	TD
D I S C U S	VHD 15L44	(1)	UCL 3-660	65,110	11.3	61,420	10.7	60,270	10.5	58,550	10.2	56,250	9.8
	VHD 15L44	(1)	UCL 4-722	66,460	10.6	62,700	10.0	61,450	9.8	60,190	9.6	57,680	9.2
	VHD 15L44	(2)	UCL 2-304	63,800	12.1	60,190	11.4	59,140	11.2	57,550	10.9	55,440	10.5
	VHD 15L44	(2)	UCL 2-361	66,570	10.6	62,800	10.0	61,540	9.8	59,660	9.5	57,150	9.1
	VHD 22L44	(1)	UCL 4-722	75,770	12.1	71,480	11.4	70,220	11.2	68,340	10.9	65,210	10.4
	VHD 22L44	(1)	UCL 4-817	77,620	10.9	73,230	10.3	71,810	10.1	70,390	9.9	66,830	9.4
	VHD 22L44	(2)	UCL 2-361	75,890	12.1	71,590	11.4	69,710	11.1	68,450	10.9	65,310	10.4
	VHD 22L44	(2)	UCL 2-408	78,270	11.0	73,840	10.4	71,710	10.1	70,290	9.9	66,740	9.4
	VHD 27L44	(1)	UCL 4-950	97,940	11.9	92,400	11.2	89,930	10.9	88,280	10.7	84,150	10.2
	VHD 27L44	(1)	UCL 4-1100	100,420	10.5	94,740	9.9	92,830	9.7	90,920	9.5	87,090	9.1
	VHD 27L44	(2)	UCL 3-445	95,990	12.4	90,560	11.7	89,010	11.5	86,690	11.2	82,820	10.7
	VHD 27L44	(2)	UCL 3-540	100,640	10.7	94,940	10.1	92,120	9.8	90,240	9.6	86,480	9.2
	VHD 30L44	(1)	UCL 4-1100	110,570	11.6	104,310	10.9	102,400	10.7	99,530	10.4	95,700	10.0
	VHD 30L44	(1)	UCL 4-1260	113,850	10.4	107,410	9.8	105,220	9.6	101,930	9.3	98,640	9.0
	VHD 30L44	(2)	UCL 3-540	110,600	11.8	104,340	11.1	101,520	10.8	99,640	10.6	94,940	10.1
	VHD 30L44	(2)	UCL 3-613	113,000	10.6	106,600	10.0	104,470	9.8	102,340	9.6	98,070	9.2
VHD 30L44	(2)	UCL 3-660	115,600	10.1	109,060	9.5	105,620	9.2	103,320	9.0	98,730	8.6	
D I S C U S	VHD 15L22	(1)	UCL 3-540	54,310	11.6	51,230	10.9	50,290	10.7	48,880	10.4	47,000	10.0
	VHD 15L22	(1)	UCL 3-613	55,940	10.5	52,770	9.9	51,700	9.7	50,640	9.5	48,500	9.1
	VHD 15L22	(1)	UCL 3-660	57,200	10.0	53,960	9.4	52,810	9.2	51,660	9.0	49,360	8.6
	VHD 15L22	(2)	UCL 2-304	55,970	10.6	52,800	10.0	51,740	9.8	50,690	9.6	48,580	9.2
	VHD 22L22	(1)	UCL 3-613	63,290	11.9	59,700	11.2	58,100	10.9	57,030	10.7	54,900	10.3
	VHD 22L22	(1)	UCL 3-660	64,500	11.2	60,840	10.6	59,120	10.3	57,970	10.1	55,680	9.7
	VHD 22L22	(1)	UCL 4-722	65,800	10.5	62,070	9.9	60,820	9.7	59,570	9.5	57,060	9.1
	VHD 22L22	(2)	UCL 2-304	63,240	12.0	59,660	11.3	58,080	11.0	57,020	10.8	51,380	10.3
	VHD 22L22	(2)	UCL 2-361	65,910	10.5	62,170	9.9	60,920	9.7	59,030	9.4	57,150	9.1
	VHD 27L22	(1)	UCL 4-722	77,100	12.3	72,730	11.6	71,480	11.4	69,600	11.1	67,090	10.7
	VHD 27L22	(1)	UCL 4-817	79,900	11.2	75,370	10.6	73,940	10.4	71,810	10.1	68,970	9.7
	VHD 27L22	(1)	UCL 4-950	83,090	10.1	78,380	9.5	76,730	9.3	74,250	9.0	71,780	8.7
	VHD 27L22	(2)	UCL 2-361	77,230	12.3	72,850	11.6	71,590	11.4	69,710	11.1	67,200	10.7
	VHD 27L22	(2)	UCL 2-408	79,780	11.2	75,260	10.6	73,840	10.4	71,710	10.1	68,870	9.7
	VHD 27L22	(2)	UCL 3-445	81,230	10.5	76,630	9.9	75,080	9.7	73,530	9.5	70,430	9.1
	VHD 30L22	(1)	UCL 4-950	92,700	11.2	87,450	10.6	85,800	10.4	83,330	10.1	80,030	9.7
VHD 30L22	(1)	UCL 4-1100	96,380	10.1	90,920	9.5	89,000	9.3	86,130	9.0	83,260	8.7	
VHD 30L22	(2)	UCL 3-445	91,070	11.8	85,910	11.1	84,370	10.9	82,040	10.6	78,950	10.2	
VHD 30L22	(2)	UCL 3-540	95,660	10.2	90,240	9.6	88,360	9.4	86,480	9.2	82,720	8.8	

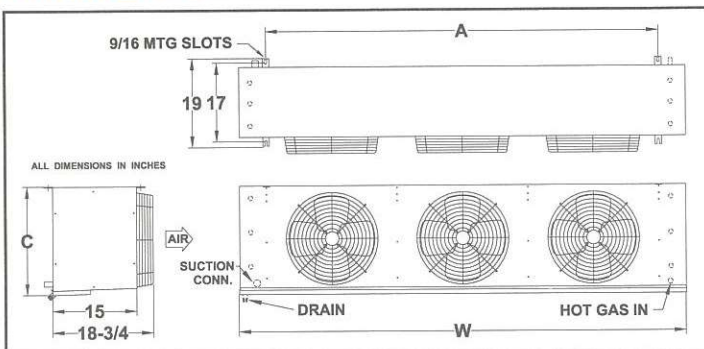
# EVAPORATOR DATA

MODEL	CONNECTIONS (In.)			QTY OF HANGERS	DIMENSIONS (In)				FIG.	SHIP WT (lbs)	MOTOR AMPS 230/1/60
	LIQUID (ODS)	SUCTION (ODS)	DRAIN (MPT)		A	B	C	W			
ACF16-36B	1/2	1/2	5/8	2	19	—	—	27-1/2	1	41	1.0
ACF16-41B	1/2	1/2	5/8	2	19	—	—	27-1/2	1	44	1.0
ACF16-46B	1/2	1/2	5/8	2	19	—	—	27-1/2	1	47	1.0
ACF26-60B	1/2	7/8	5/8	2	33	—	—	41-1/2	1	61	2.0
ACF26-75B	1/2	7/8	5/8	2	33	—	—	41-1/2	1	67	2.0
ACF26-92B	1/2	7/8	5/8	2	37	—	—	45-1/2	1	74	2.0
ACF36-120B	1/2	7/8	5/8	2	55	—	—	63-1/2	1	105	3.0
ACF36-140B	1/2	1-1/8	5/8	2	55	—	—	63-1/2	1	115	3.0
ACF46-164B	1/2	1-1/8	5/8	3	36-1/2	36-1/2	—	81-1/2	1	140	4.0
ACF46-185B	1/2	1-1/8	5/8	3	36-1/2	36-1/2	—	81-1/2	1	155	4.0
ACF56-210B	1/2	1-1/8	5/8	3	54-1/2	36-1/2	—	99-1/2	1	225	5.0
ACF66-245B	1/2	1-1/8	5/8	4	36-1/2	36	36-1/2	117-1/2	1	250	6.0
ACF66-280B	1/2	1-1/8	5/8	4	36-1/2	36	36-1/2	117-1/2	1	270	6.0
ACF14-37B	1/2	1/2	5/8	2	19	—	—	27-1/2	1	42	1.0
ACF24-72B	1/2	7/8	5/8	2	37	—	—	45-1/2	1	67	2.0
ACF24-85B	1/2	7/8	5/8	2	37	—	—	45-1/2	1	72	2.0
ACF34-105B	1/2	7/8	5/8	2	55	—	—	63-1/2	1	100	3.0
ACF44-140B	1/2	7/8	5/8	3	36-1/2	36-1/2	—	81-1/2	1	135	4.0
ACF54-180B	1/2	1-1/8	5/8	3	54-1/2	36-1/2	—	99-1/2	1	220	5.0
ACF64-215B	1/2	1-1/8	5/8	4	36-1/2	36	36-1/2	117-1/2	1	245	6.0
ICF26-130	1/2	1-1/8	3/4	2	42	—	20-3/4	55	2	125	1.8
ICF26-150	1/2	1-1/8	3/4	2	42	—	20-3/4	55	2	140	1.8
ICF36-185	1/2	1-1/8	3/4	2	63	—	20-3/4	76	2	295	2.7
ICF26-270	1/2	1-3/8	3/4	2	63	31-1/2	27-1/4	76	3	320	6.4
ICF26-320	7/8	1-3/8	3/4	3	63	31-1/2	27-1/4	76	3	365	6.4
ICF36-385	7/8	1-5/8	3/4	4	93	31	27-1/4	106	3	450	9.6
ICF36-460	7/8	1-5/8	3/4	4	93	31	27-1/4	106	3	490	9.6
ICF36-520	7/8	1-5/8	3/4	4	93	31	27-1/4	106	3	535	9.6
ICF24-105	1/2	1-1/8	3/4	2	42	—	20-3/4	55	2	120	1.8
ICF24-140	1/2	1-1/8	3/4	2	42	—	20-3/4	55	2	135	1.8
ICF34-175	1/2	1-1/8	3/4	2	63	—	20-3/4	76	2	285	2.7
ICF24-230	1/2	1-3/8	3/4	3	63	31-1/2	27-3/4	76	3	315	6.4
ICF24-325	7/8	1-3/8	3/4	3	63	31-1/2	27-3/4	76	3	350	6.4
ICF34-390	7/8	1-5/8	3/4	4	93	31	27-3/4	106	3	435	9.6
ICF34-510	7/8	1-5/8	3/4	4	93	31	27-3/4	106	3	530	9.6

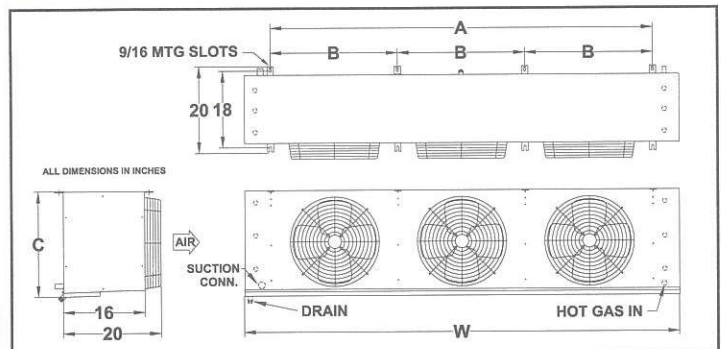
**ACF MODELS**  
FIG. 1



**ICF MODELS** FIG. 2



**ICF MODELS** FIG. 3

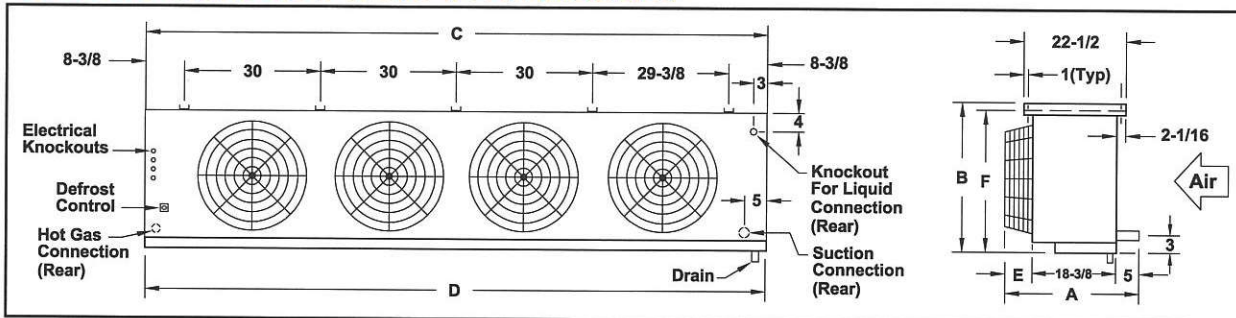




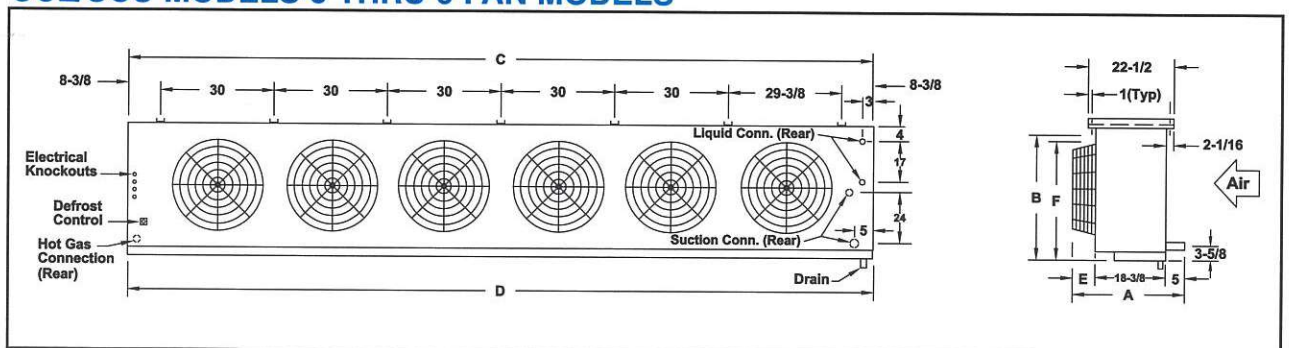
## EVAPORATOR DATA

MODEL	CONNECTIONS (In.)			QTY OF FANS	DIMENSIONS (In.)						SHIP WT (lbs)	MOTOR AMPS 230/1/60
	LIQUID (ODS)	SUCTION (ODS)	DRAIN (MPT)		A	B	C	D	E	F		
UCL1-125	1/2	1-1/8	3/4	1	27-3/8	26-7/8	46-1/8	46-1/2	4	26-1/8	180	4.2
UCL1-152	1/2	1-1/8	3/4	1	27-3/8	26-7/8	46-1/8	46-1/2	4	26-1/8	200	4.2
UCL1-193	5/8	1-1/8	3/4	1	27-3/8	26-7/8	46-1/8	46-1/2	4	26-1/8	220	4.2
UCL2-240	7/8	1-3/8	3/4	2	27-3/8	27-3/8	76-1/8	76-1/2	4	26-1/8	370	8.4
UCL2-304	7/8	1-3/8	3/4	2	27-3/8	27-3/8	76-1/8	76-1/2	4	26-1/8	400	8.4
UCL2-361	7/8	1-5/8	3/4	2	29-1/8	33-3/8	76-1/8	76-1/2	5-3/4	32-1/8	425	8.4
UCL2-408	7/8	1-5/8	3/4	2	29-1/8	33-3/8	76-1/8	76-1/2	5-3/4	32-1/8	446	8.4
UCL3-445	7/8	2-1/8	3/4	3	29-1/8	33-7/8	106-1/8	106-1/2	5-3/4	32-1/8	525	12.6
UCL3-540	7/8	2-1/8	3/4	3	29-1/8	33-7/8	106-1/8	106-1/2	5-3/4	32-1/8	585	12.6
UCL3-613	7/8	2-1/8	3/4	3	29-1/8	33-7/8	106-1/8	106-1/2	5-3/4	32-1/8	620	12.6
UCL3-660	7/8	2-1/8	3/4	3	29-1/8	33-7/8	106-1/8	106-1/2	5-3/4	32-1/8	645	12.6
UCL4-722	1-3/8	2-1/8	1-1/4	4	29-1/8	34-1/4	136-1/8	136-1/2	5-3/4	32-1/8	675	16.8
UCL4-817	7/8	2-1/8	1-1/4	4	29-1/8	34-1/4	136-1/8	136-1/2	5-3/4	32-1/8	726	16.8
UCL4-950	(2) 7/8	(2) 2-1/8	1-1/4	4	29-1/8	52-1/4	136-1/8	136-1/2	5-3/4	50-1/8	850	16.8
UCL4-1100	(2) 7/8	(2) 2-1/8	1-1/4	4	29-1/8	52-1/4	136-1/8	136-1/2	5-3/4	50-1/8	885	16.8
UCL4-1260	(2) 7/8	(2) 2-1/8	1-1/4	4	29-1/8	52-1/4	136-1/8	136-1/2	5-3/4	50-1/8	895	16.8
UCL4-1380	(2) 7/8	(2) 2-1/8	1-1/4	4	29-1/8	52-1/4	136-1/8	136-1/2	5-3/4	50-1/8	910	16.8
UCL5-1575	(2) 1-1/8	(2) 2-1/8	1-1/4	5	29-1/8	52-3/4	166-1/8	166-1/2	5-3/4	50-1/8	1120	21.0
UCL5-1725	(2) 1-1/8	(2) 2-1/8	1-1/4	5	29-1/8	52-3/4	166-1/8	166-1/2	5-3/4	50-1/8	1140	21.0
UCL6-1890	(2) 1-3/8	(2) 2-5/8	1-1/4	6	29-1/8	53-1/4	196-1/8	196-1/2	5-3/4	50-1/8	1345	25.2
UCL6-2070	(2) 1-3/8	(2) 2-5/8	1-1/4	6	29-1/8	53-1/4	196-1/8	196-1/2	5-3/4	50-1/8	1365	25.2
UCU1-118	1/2	1-1/8	3/4	1	27-3/8	26-7/8	46-1/8	46-1/2	4	26-1/8	190	4.2
UCU2-236	7/8	1-3/8	3/4	2	27-3/8	27-3/8	76-1/8	76-1/2	4	26-1/8	370	8.4
UCU2-355	7/8	1-5/8	3/4	2	29-1/8	33-3/8	76-1/8	76-1/2	5-3/4	32-1/8	440	8.4
UCU3-474	7/8	1-5/8	3/4	3	29-1/8	33-7/8	106-1/8	106-1/2	5-3/4	32-1/8	570	12.6
UCU4-711	7/8	2-1/8	1-1/4	4	29-1/8	34-1/4	136-1/8	136-1/2	5-3/4	32-1/8	665	16.8
UCU4-851	(2) 7/8	(2) 2-1/8	1-1/4	4	29-1/8	52-1/4	136-1/8	136-1/2	5-3/4	50-1/8	875	16.8
UCU4-1080	(2) 7/8	(2) 2-1/8	1-1/4	4	29-1/8	52-1/4	136-1/8	136-1/2	5-3/4	50-1/8	900	16.8
UCU5-1350	(2) 7/8	(2) 2-1/8	1-1/4	5	29-1/8	52-3/4	166-1/8	166-1/2	5-3/4	50-1/8	1125	21.0
UCU6-1620	(2) 1-1/8	(2) 2-5/8	1-1/4	6	29-1/8	53-1/4	196-1/8	196-1/2	5-3/4	50-1/8	1350	25.2

### UCL/UCU MODELS 1 THRU 4 FAN MODELS



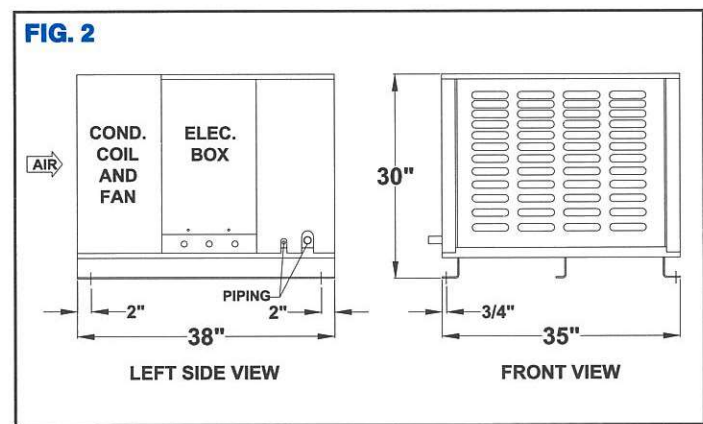
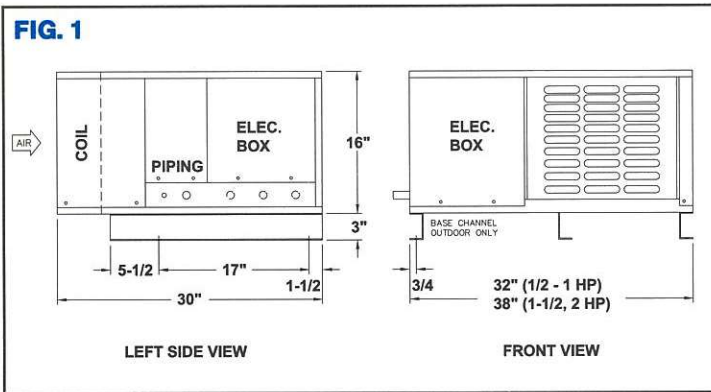
### UCL/UCU MODELS 5 THRU 6 FAN MODELS



# CONDENSING UNIT DATA - MiniCon

COMP. TYPE	MODEL NUMBER	COMP. MODEL NUMBER	AMPS @208-230/1/60				AMPS @ 208/230/3/60				FIG	CONN.		WT
			COMP.		COND FLA	TOT UNIT	COMP.		COND FLA	TOT UNIT		LIQ.	SUCT	
			RLA	LRA			RLA	LRA						
HERM	MHH100L44	RS97C1E	11.0	51.0	1.0	13.0	7.0	35.0	1.0	9.0	1	3/8	5/8	180
	MHH165L44	CF06K6E	11.4	59.2	2.0	14.4	7.0	52.0	2.0	10.0	1	3/8	7/8	240
	MHH215L44	CF09K6E	16.7	87.0	2.0	19.7	10.2	72.0	2.0	13.2	2	3/8	7/8	270
	MHH315L44	CF12K6E	19.0	105.0	2.9	22.9	11.9	85.0	2.9	15.8	2	1/2	1-1/8	380
SEMI-HERMETIC	MHS050L44	KAN-005E	3.6	24.0	1.0	5.6	2.2	13.2	1.0	4.2	1	3/8	5/8	210
	MHS075L44	KAM-007E	5.6	35.0	1.0	7.6	3.2	19.9	1.0	5.2	1	3/8	5/8	215
	MHS100L44	KAJ-010E	6.9	40.0	1.0	8.9	4.5	27.0	1.0	6.5	1	3/8	5/8	220
	MHS150L44	KAL-015E	9.9	55.0	2.0	12.9	6.6	50.0	2.0	9.6	1	3/8	7/8	290
	MHS200L44	EAV-021E	14.7	102.0	2.0	17.7	7.4	50.0	2.0	10.4	1	3/8	7/8	320
	MHS250L44	3AB-031E	14.7	86.0	2.9	* 18.6	10.0	82.0	2.9	13.9	2	1/2	1-1/8	470
	MHS300L44	LAH-032E	16.7	105.0	2.9	* 20.6	12.8	112.0	2.9	16.7	2	1/2	1-1/8	470
	MHS050L22	KAN-0050	3.6	24.0	1.0	5.6	—	—	—	—	1	3/8	5/8	210
	MHS075L22	KAM-0075	5.6	36.0	1.0	7.6	3.2	19.9	1.0	5.2	1	3/8	5/8	215
	MHS100L22	KAJ-0100	6.9	40.0	1.0	8.9	4.5	27.0	1.0	6.5	1	3/8	5/8	220
	MHS200L22	KAK-0200	10.6	55.0	2.0	13.6	6.8	50.0	2.0	9.8	1	3/8	7/8	290
	MHS201L22	EAD-0200	8.4	58.0	2.0	* 11.4	6.8	46.0	2.0	9.8	1	3/8	7/8	320
	MHS202L22	EAV-0210	14.7	102.0	2.0	17.7	7.4	50.0	2.0	10.4	1	3/8	7/8	320
	MHS300L22	LAH-0310	16.6	93.0	2.9	20.5	10.7	82.0	2.9	14.6	2	1/2	1-1/8	470
DISCUS	MHD300L44	2DF-030E	—	—	—	—	16.8	102.0	2.9	20.7	2	1/2	1-1/8	500
	MHD400L44	2DL-040E	—	—	—	—	26.3	161.0	3.2	30.5	2	1/2	1-1/8	540
	MHD500L44	2DA-060E	—	—	—	—	28.8	161.0	3.2	33.0	2	1/2	1-1/8	550
	MHD300L22	2DF-0300	—	—	—	—	16.8	102.0	2.9	20.7	2	1/2	1-1/8	500
	MHD400L22	2DL-040E	—	—	—	—	26.3	161.0	3.2	30.5	2	1/2	1-1/8	540
	MHD500L22	2DA-0600	—	—	—	—	28.8	161.0	3.2	33.0	2	1/2	1-1/8	550
SCROLL	MHO200L44	ZF06K4E	13.6	55.0	2.9	17.5	9.3	55.0	2.9	13.2	2	3/8	7/8	365
	MHO250L44	ZF08K4E	16.4	73.0	2.9	20.3	9.7	63.0	2.9	13.6	2	3/8	7/8	380
	MHO300L44	ZF09K4E	16.4	88.0	2.9	20.3	11.1	77.0	2.9	15.0	2	1/2	1-1/8	380
	MHO350L44	ZF11K4E	20.7	109.0	2.9	24.6	13.6	88.0	2.9	17.5	2	1/2	1-1/8	390
	MHO400L44	ZF13K4E	26.8	129.0	3.2	31.0	15.0	99.0	3.2	19.2	2	1/2	1-1/8	405
	MHO500L44	ZF15K4E	31.5	169.0	3.2	35.7	21.4	123.0	3.2	25.6	2	1/2	1-1/8	420

\* Note: Models are available as 230/1 V. only. For 208/1 applications consult the factory.  
Total Unit Amps includes 1 Amp for control circuit allowance..



## CONDENSING UNIT DATA - D Series & V Series

MODEL NUMBER	COMP. MODEL NUMBER	AMPS @ 230/3/60				AMPS @ 460/3/60				FIG.	CONNECT		WT.
		COMP.		COND. FLA	TOTAL UNIT	COMP.		COND. FLA	TOTAL UNIT		LIQ.	SUCT.	
		RLA	LRA			RLA	LRA						

### "D" SERIES, DISCUS, R-22

DHD3L22	2DF-030E	16.8	102	3.2	21.0	8.1	52	2.1	10.7	1	3/8	1-1/8	710
DHD4L22	2DL-040E	26.3	161	3.2	30.5	10.2	60	2.1	12.8	1	3/8	1-1/8	740
DHD5L22	2DA-060E	28.8	161	3.2	33.0	10.2	60	2.1	12.8	1	3/8	1-3/8	805
DHD6L22	3AD-060E	30.3	150	4.2	35.5	13.7	77	2.1	16.3	1	3/8	1-3/8	840
DHD8L22	3DB-075E	31.5	161	6.4	38.9	16.1	83	4.2	20.8	2	5/8	1-3/8	1130
DHD9L22	3DF-090E	39.0	215	6.4	46.4	16.9	106	4.2	21.6	2	5/8	1-5/8	1275
DHD10L22	3DS-100E	42.0	215	6.4	49.4	18.6	106	4.2	23.3	2	5/8	1-5/8	1275
DHD15L22	4DL-150E	52.6	278	8.4	62.0	26.3	139	4.2	31.0	2	5/8	1-5/8	1310

### "D" SERIES, DISCUS, R-404A

DHD3L44	2DF-030E	16.8	102	3.2	21.0	8.1	52	2.1	10.7	1	1/2	1-1/8	710
DHD4L44	2DL-040E	26.3	161	3.2	30.5	10.2	60	2.1	12.8	1	1/2	1-1/8	760
DHD5L44	2DA-060E	28.8	161	3.2	33.0	10.2	60	2.1	12.8	1	1/2	1-3/8	805
DHD6L44	3DA-060E	30.3	150	3.2	34.5	13.7	77	2.1	16.3	1	1/2	1-3/8	870
DHD8L44	3DB-075E	31.5	161	6.4	38.9	16.1	83	4.2	20.8	2	5/8	1-3/8	1130
DHD9L44	3DF-090E	39.0	215	6.4	46.4	16.9	106	4.2	21.6	2	5/8	1-5/8	1275
DHD10L44	3DS-100E	42.0	215	6.4	49.4	18.6	106	4.2	32.3	2	5/8	1-5/8	1275
DHD12L44	4DA-101E	45.6	220	6.4	53.0	22.8	110	4.2	27.5	2	5/8	1-5/8	1290
DHD15L44	4DL-150E	52.6	278	8.4	62.0	26.3	139	4.2	31.0	2	5/8	1-5/8	1310

### "D" SERIES, SCROLL, R-404A

DHO8L44	ZF24K4E	23.9	189	6.4	31.3	11.8	94	4.2	16.5	2	1/2	1-3/8	985
DHO10L44	ZF33K4E	31.0	278	6.4	38.4	15.1	127	4.2	19.8	2	5/8	1-5/8	1105
DHO13L44	ZF40K4E	52.9	350	6.4	60.3	26.5	212	4.2	31.2	2	5/8	1-5/8	1125

### "V" SERIES, DISCUS, R-22

VHD15L22	4DL-150E	52.6	278	12.8	66.4	26.3	139	6.4	33.2	3	7/8	2-1/8	1950
VHD22L22	4DT-220E	66.0	374	12.8	79.8	33.0	187	6.4	39.9	3	7/8	2-1/8	1940
VHD27L22	6DT-270E	80.8	450	12.8	94.6	40.4	225	6.4	47.3	3	7/8	2-1/8	2000
VHD30L22	6DT-300E	95.6	470	12.8	109.4	47.8	235	6.4	54.7	3	7/8	2-1/8	2065

### "V" SERIES, DISCUS, R-404A

VHD15L44	4DL-150E	52.6	278	12.8	66.4	26.3	139	6.4	33.2	3	7/8	2-1/8	1950
VHD22L44	4DT-200E	66.0	374	12.8	79.8	33.0	187	6.4	39.9	3	7/8	2-1/8	1940
VHD27L44	6DT-270E	80.8	450	12.8	94.6	40.4	225	6.4	47.3	3	7/8	2-1/8	2000
VHD30L44	6DT-300E	95.6	470	12.8	109.4	47.8	235	6.4	54.7	3	7/8	2-1/8	2065

Fig. 1

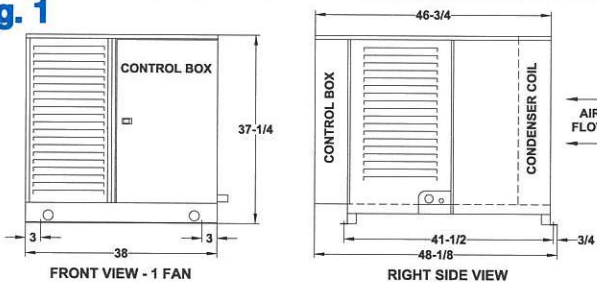


Fig. 2

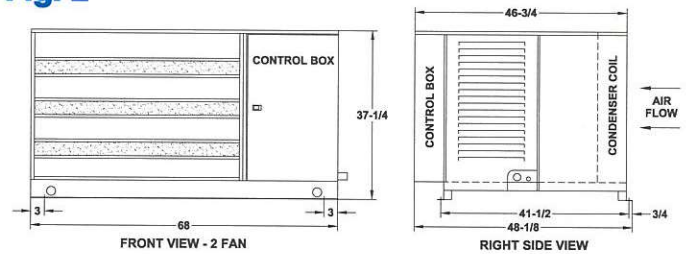
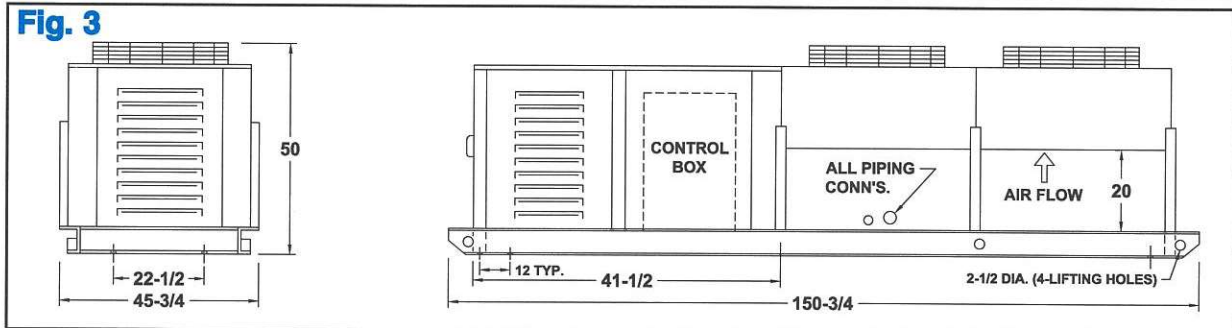


Fig. 3



## RUSSELL SIERRA™ REFRIGERATION SYSTEMS

**1/2 through 30 HP  
Air or Electric Defrost Systems**

### What is a Sierra system?

**Sierra** is a new concept in commercial refrigeration that incorporates a number of unique features that enhance performance, provides energy saving over conventional systems and increases reliability, thus saving you money.

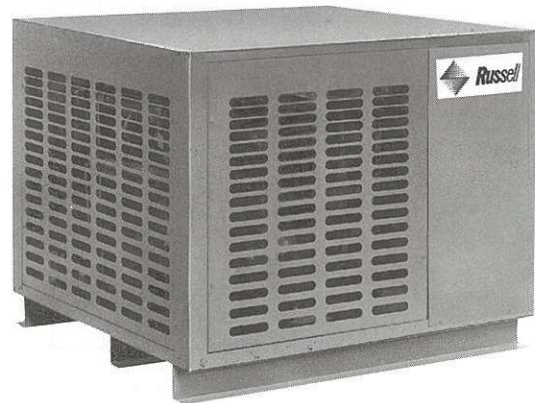
The heart of the **Sierra** system is a design that eliminates the need for a refrigerant receiver by providing built-in storage capacity in the condenser section of the condensing unit. This small change in the unit has opened the door for adding new features that would not have been possible with traditional refrigeration systems.

All **Sierra** systems are shipped with the condensing unit, matching evaporator, and piping accessories factory installed. This saves on installation time, and takes the guess work out of selecting components. Sierra systems come complete with the following features and accessories:



### SIERRA

**20% less refrigerant and  
up to 40% more energy savings!**



### SIERRA Standard Features

- Semi-hermetic, or hermetic compressor
- Oil pressure control where applicable
- High and low pressure controls
- Crankcase heater
- Low profile galvanized steel housing
- Copper tube, Aluminum fin condenser
- Vibrasorb(s) (semi-herm. models only)
- Large electrical control panel
- Compressor contactor or start kit
- Liquid line charging valve

- All - Temp<sup>2</sup>B** evaporator(s)
- Balanced port TXV(s) (MTD.)
- Liquid solenoid valve(s) (MTD.)
- Electric defrost kits on "AE" evap.(s)
- Liquid line Filter-drier (MTD.)
- Sightglass w/ moisture indicator (MTD.)
- Suction line filter(MTD.)
- RussSaver** floating head pressure control
- Subcooling circuit
- Room thermostat