



**Version: Q3b**  
**Issued: 7/15/2010**  
**Expires: 9/30/2010**

## Commercial Products Price List

### 3rd Quarter -- 2010

**New in this version:**

≥ A five percent (5%) price increase is reflected on all products in this price list, effective July 15, 2010. Orders placed prior to that date will be honored at the previous price. This is the first price increase Krack has taken in over two years, and is being done to offset rising commodity and supplier costs.

≥ Indoor Condensing Units are now available. Please see the HNST/HNSX section for specifics

*Krack pricelists are updated quarterly: in January, April, July and October and posted on our website at [www.krack.ingersollrand.com](http://www.krack.ingersollrand.com). Please contact us with any questions or comments:*

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Specifications and features of many of the products in this pricelist can be seen in our *Condensed Product Catalog* on the Krack website at [www.krack.ingersollrand.com](http://www.krack.ingersollrand.com). Click on the Commercial Refrigeration tab, and on the link to the Condensed Product Catalog.

**Krack Corporation**  
**Ingersoll Rand Climate Solutions**  
**1300 N. Arlington Heights Rd. Ste. 130**  
**Itasca, IL 60143-3128**  
**Phone: 630-931-7500**  
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**REACH - IN UNIT COOLERS--ST, STE, MU, SX, DF, & DL MODEL SERIES**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
ST-91	\$570	900	180	17.00	13.75	4.50	9
ST-111	\$630	1,100	165	17.00	13.75	4.50	10
ST-141	\$790	1,400	185	22.00	13.75	4.50	12
ST-181	\$880	1,800	235	26.00	13.75	4.50	13
ST-231	\$1,110	2,300	340	34.50	13.75	4.50	19
ST-276	\$1,220	2,750	360	34.50	13.75	4.50	20
ST-331	\$1,310	3,300	430	34.50	13.75	5.50	22
ST-431	\$1,820	4,300	500	43.50	13.75	5.50	29
ST-531	\$2,260	5,300	620	51.50	13.75	5.50	33

**Slim-Topper Electric Defrost**

MODEL	LIST PRICE	LIST PRICE	CAPACITY (BTUH) @ 10° FTD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
	115V (0)*	230V (1)*			L	W	H	
STE-13()	\$920	N/A	1,110	190	20.13	17.25	4.75	16
STE-15()	\$1,060	N/A	1,280	250	20.13	17.25	5.75	17
STE-17()	\$1,150	N/A	1,450	210	20.13	17.25	5.75	19
STE-24()	\$1,310	\$1,720	2,040	280	25.13	17.25	5.75	21
STE-34()	\$1,700	\$1,900	2,890	420	35.13	17.25	5.75	34
STE-48()	\$2,180	\$2,280	4,080	560	45.13	17.25	5.75	38
STE-52()	\$2,460	\$2,590	4,420	600	45.13	17.25	6.75	40

\* Voltage code - change last character of model # (0) = 115v, (1) = 230v

**Mullion Cooler**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
MU-135	\$960	1,350	210	15.625	5.50	18.75	14
MU-165	\$1,140	1,650	180	15.625	5.50	18.75	16
MU-235	\$1,370	2,350	270	22.000	5.50	18.75	22

**Space Saver**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
SX-70	\$530	700	160	14.38	7.88	6.88	6
SX-95	\$560	950	150	14.38	7.88	6.88	7
SX-110	\$650	1,100	250	17.38	7.88	7.88	8
SX-140	\$720	1,400	240	17.38	7.88	7.88	9

**Dual Flow**

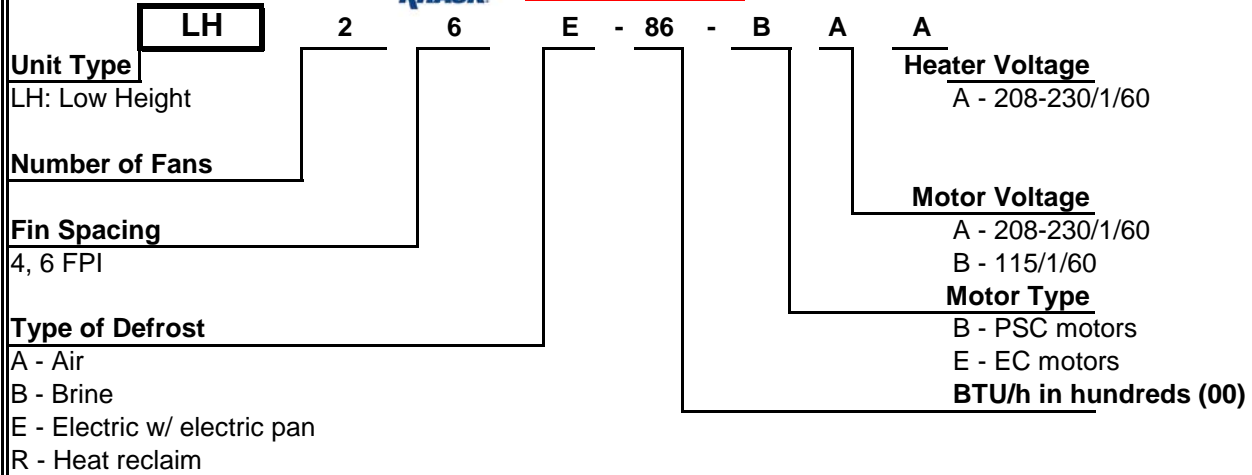
MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
DF-70	\$570	700	100	15.50	9.88	4.50	7
DF-90	\$650	900	150	19.50	14.50	4.75	11
DF-110	\$660	1,100	140	19.50	14.50	4.75	12
DF-130	\$760	1,300	220	19.50	14.50	4.75	12
DF-150	\$890	1,500	185	19.50	14.50	4.75	12
DF-180	\$960	1,800	210	19.50	14.50	4.75	13
DF-230	\$1,120	2,300	310	22.50	17.50	5.75	15
DF-300	\$1,350	3,000	410	22.50	17.50	5.75	16

**Dual Flow**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
DL-60	\$1,110	600	165	12.75	9.75	6.75	7
DL-90	\$1,260	900	340	12.75	9.75	10.00	8
DL-120	\$1,490	1,200	390	16.25	12.25	10.00	10
DL-220	\$1,650	2,200	400	16.25	12.25	11.50	14



### LH Model Key





## LH MODELS--DUAL DISCHARGE

### AIR DEFROST MEDIUM TEMPERATURE STANDARD VELOCITY

MODEL	LIST PRICE	CAPACITY (BTUH)		AIR FLOW	DIMENSIONS (IN)			SHIP WGT. (LBS)
		@ 10° F TD		(CFM)	L	W	H	
LH16A-47	\$1,550	4,700		650	32.88	26.06	9.25	42
LH26A-94	\$2,440	9,400		1,300	54.88	26.06	9.25	70
LH36A-140	\$3,380	14,000		1,950	76.88	26.06	9.25	123
LH46A-187	\$4,230	18,700		2,600	98.88	26.06	9.25	164
LH14A-36	\$1,500	3,600		683	32.88	26.06	9.25	38
LH24A-73	\$2,250	7,300		1,365	54.88	26.06	9.25	64
LH34A-109	\$2,900	10,900		2,048	76.88	26.06	9.25	105
LH44A-145	\$3,960	14,500		2,730	98.88	26.06	9.25	146

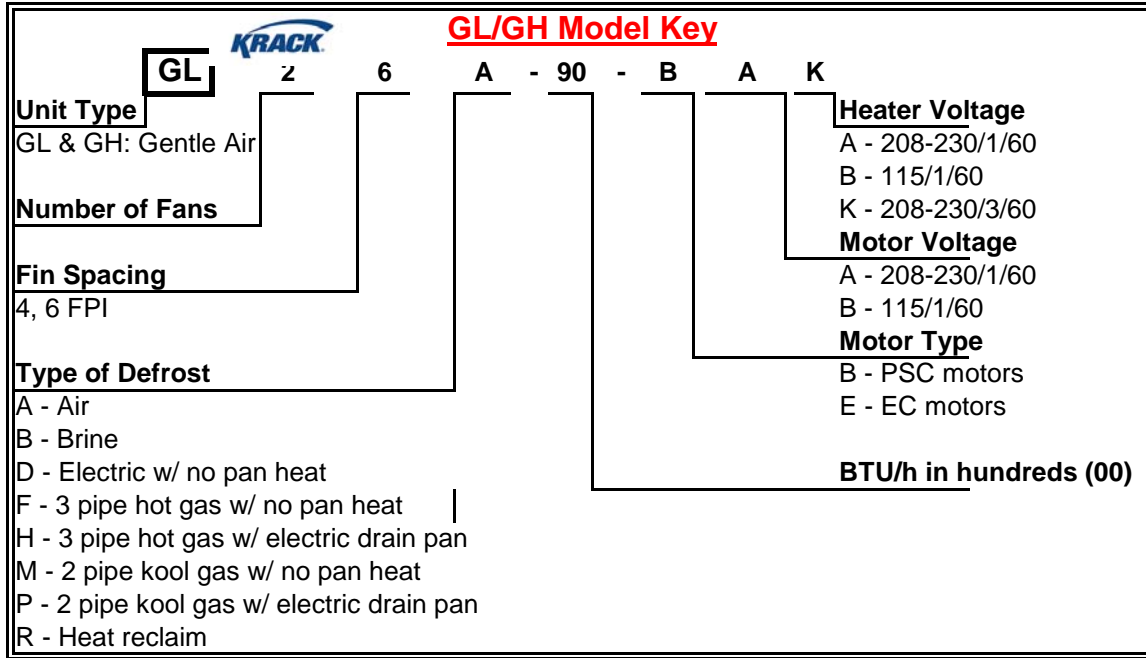
### ELECTRIC DEFROST LOW TEMPERATURE STANDARD VELOCITY

MODEL	LIST PRICE	CAPACITY (BTUH)		AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
		@ 10° F TD			L	W	H	
		@-20° SST	@+20° SST					
LH16E-43	\$2,020	4,300	4,700	650	32.88	26.06	9.25	44
LH26E-86	\$3,000	8,600	9,400	1,300	54.88	26.06	9.25	73
LH36E-129	\$3,810	12,900	14,000	1,950	76.88	26.06	9.25	127
LH46E-171	\$4,730	17,100	18,700	2,600	98.88	26.06	9.25	169
LH14E-33	\$1,890	3,600	3,600	683	32.88	26.06	9.25	40
LH24E-67	\$2,800	7,300	7,300	1,365	54.88	26.06	9.25	67
LH34E-100	\$3,720	10,900	10,900	2,048	76.88	26.06	9.25	109
LH44E-132	\$4,260	13,200	14,500	2,730	98.88	26.06	9.25	150

### MODEL OPTIONS

No. of Fans	Painted Housing	SS Housing & Non Ins DP	SS Non Ins Drain Pan (only)	PSC Motor Deduct*	Copper Fin	Electro Fin (Air Defrost only)
1	\$290	\$1,000	\$320	(\$270)	\$320	\$1,240
2	\$580	\$1,410	\$390	(\$550)	\$640	\$1,240
3	\$860	\$1,870	\$500	(\$820)	\$960	\$1,240
4	\$1,140	\$2,260	\$560	(\$1,090)	\$1,280	\$1,240

\*(Units come with standard EC motors; deduct for PSC motors)





## GH & GL AIR MODELS

### AIR DEFROST MEDIUM TEMPERATURE LOW VELOCITY

#### GENTLE AIR - 18" HIGH SILHOUETTE

MODEL	LIST PRICE 115V/230V*	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
GH16A-60	\$2,420	6,000	900	31.75	28.75	18.25	130
GH26A-130	\$3,810	13,000	1,800	49.75	28.75	18.25	180
GH36A-198	\$5,410	19,800	2,700	67.75	28.75	18.25	240
GH46A-270	\$6,550	27,000	3,600	85.75	28.75	18.25	320
GH56A-340	\$7,780	34,000	4,500	103.75	28.75	18.25	370
GH66A-410	\$8,980	41,000	5,400	121.75	28.75	18.25	420
GH14A-50	\$2,280	5,000	940	31.75	28.75	18.25	120
GH24A-100	\$3,740	10,000	1,880	49.75	28.75	18.25	170
GH34A-150	\$5,310	15,000	2,820	67.75	28.75	18.25	230
GH44A-200	\$6,450	20,000	3,760	85.75	28.75	18.25	310
GH54A-250	\$7,700	25,000	4,700	103.75	28.75	18.25	360
GH64A-300	\$8,900	30,000	5,640	121.75	28.75	18.25	410

#### GENTLE AIR - 12" LOW SILHOUETTE

MODEL	LIST PRICE 115V/230V*	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
GL16A-45	\$2,080	4,500	600	31.75	28.75	12.25	100
GL26A-90	\$3,280	9,000	1,200	49.75	28.75	12.25	140
GL36A-135	\$4,420	13,500	1,800	67.75	28.75	12.25	190
GL46A-180	\$5,710	18,000	2,400	85.75	28.75	12.25	250
GL56A-225	\$6,630	22,500	3,000	103.75	28.75	12.25	290
GL66A-268	\$7,320	26,800	3,600	121.75	28.75	12.25	340
GL14A-35	\$2,070	3,500	630	31.75	28.75	12.25	90
GL24A-70	\$3,240	7,000	1,260	49.75	28.75	12.25	130
GL34A-105	\$4,380	10,500	1,890	67.75	28.75	12.25	180
GL44A-140	\$5,660	14,000	2,520	85.75	28.75	12.25	240
GL54A-175	\$6,560	17,500	3,150	103.75	28.75	12.25	280
GL64A-210	\$7,120	21,000	3,780	121.75	28.75	12.25	330

#### MODEL OPTIONS

No. of Fans	Reverse Air Flow	Air Filters	Insulated Drain Pan	Painted Housing	SS Housing & Non Ins DP	SS Non Ins Drain Pan
1	\$80	\$60	\$410	\$320	\$1,390	\$490
2	\$170	\$130	\$470	\$620	\$1,820	\$610
3	\$250	\$190	\$550	\$910	\$2,290	\$750
4	\$340	\$250	\$630	\$1,220	\$2,750	\$880
5	\$420	\$320	\$810	\$1,520	\$3,490	\$1,270
6	\$500	\$380	\$1,170	\$1,820	\$3,930	\$1,410

No. of Fans	SS Housing & Ins DP	SS Ins Drain Pan	PSC Motor Deduct*	Copper Fin	Electro Fin (Air Defrost only)
1	\$2,310	\$1,420	(\$270)	\$430	\$2,070
2	\$2,890	\$1,680	(\$550)	\$860	\$2,070
3	\$3,370	\$1,820	(\$820)	\$1,290	\$2,070
4	\$4,120	\$2,250	(\$1,090)	\$1,720	\$2,070
5	\$5,410	\$3,200	(\$1,370)	\$2,150	\$2,070
6	\$6,000	\$3,470	(\$1,640)	\$2,580	\$2,190

\*(Units come with standard EC motors; deduct for PSC)



## GH & GL ELECTRIC MODELS

### ELECTRIC DEFROST MEDIUM TEMPERATURE LOW VELOCITY

#### **GENTLE AIR - 18" HIGH SILHOUETTE**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
GH16D-60	\$2,650	6,000	900	31.75	28.75	18.25	130
GH26D-130	\$4,360	13,000	1,800	49.75	28.75	18.25	180
GH36D-198	\$6,120	19,800	2,700	67.75	28.75	18.25	240
GH46D-270	\$7,300	27,000	3,600	85.75	28.75	18.25	320
GH56D-340	\$8,650	34,000	4,500	103.75	28.75	18.25	370
GH66D-410	\$9,980	41,000	5,400	121.75	28.75	18.25	420
GH14D-50	\$2,560	5,000	940	31.75	28.75	18.25	120
GH24D-100	\$4,260	10,000	1,880	49.75	28.75	18.25	170
GH34D-150	\$5,930	15,000	2,820	67.75	28.75	18.25	230
GH44D-200	\$7,180	20,000	3,760	85.75	28.75	18.25	310
GH54D-250	\$8,530	25,000	4,700	103.75	28.75	18.25	360
GH64D-300	\$9,870	30,000	5,640	121.75	28.75	18.25	410

**NOTE: Not For Use Below +28° F Room Temperature**

#### **GENTLE AIR - 12" HIGH SILHOUETTE**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F TD	AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
				L	W	H	
GL16D-45	\$2,310	4,500	600	31.75	28.75	12.25	100
GL26D-90	\$3,650	9,000	1,200	49.75	28.75	12.25	140
GL36D-135	\$4,890	13,500	1,800	67.75	28.75	12.25	190
GL46D-180	\$6,340	18,000	2,400	85.75	28.75	12.25	250
GL56D-225	\$7,340	22,500	3,000	103.75	28.75	12.25	290
GL66D-268	\$8,350	26,800	3,600	121.75	28.75	12.25	340
GL14D-35	\$2,170	3,500	630	31.75	28.75	12.25	90
GL24D-70	\$3,470	7,000	1,260	49.75	28.75	12.25	130
GL34D-105	\$4,680	10,500	1,890	67.75	28.75	12.25	180
GL44D-140	\$6,060	14,000	2,520	85.75	28.75	12.25	240
GL54D-175	\$7,020	17,500	3,150	103.75	28.75	12.25	280
GL64D-210	\$7,980	21,000	3,780	121.75	28.75	12.25	330

**\*(Units come with standard EC motors; deduct for PSC)**



## GH & GL GAS MODELS

### HOT GAS DEFROST MEDIUM TEMPERATURE LOW VELOCITY

#### **GENTLE AIR - 18" HIGH SILHOUETTE**

MODEL	LIST PRICE BY DEFROST TYPE				CAPACITY (BTUH) AIR FLOW		DIMENSIONS (IN)			SHIP WGT. (LBS)
	(P)-KGE	(M)-KG	(H)-HGE	(F)-HG	@ 10° F TD	(CFM)	L	W	H	
GH16( )-60	\$2,850	\$2,590	\$2,630	\$2,430	6,000	900	31.75	28.75	18.25	130
GH26( )-130	\$4,540	\$4,210	\$4,330	\$3,990	13,000	1,800	49.75	28.75	18.25	180
GH36( )-198	\$6,230	\$5,770	\$6,000	\$5,560	19,800	2,700	67.75	28.75	18.25	240
GH46( )-270	\$7,460	\$6,930	\$7,240	\$6,710	27,000	3,600	85.75	28.75	18.25	320
GH56( )-340	\$8,800	\$8,170	\$8,570	\$7,950	34,000	4,500	103.75	28.75	18.25	370
GH66( )-410	\$10,120	\$9,410	\$9,900	\$9,190	41,000	5,400	121.75	28.75	18.25	420
GH14( )-50	\$2,760	\$2,570	\$2,550	\$2,350	5,000	940	31.75	28.75	18.25	120
GH24( )-100	\$4,440	\$4,130	\$4,210	\$3,910	10,000	1,880	49.75	28.75	18.25	170
GH34( )-150	\$6,110	\$5,680	\$5,890	\$5,450	15,000	2,820	67.75	28.75	18.25	230
GH44( )-200	\$7,350	\$6,820	\$7,130	\$6,600	20,000	3,760	85.75	28.75	18.25	310
GH54( )-250	\$8,570	\$8,080	\$8,480	\$7,850	25,500	4,700	103.75	28.75	18.25	360
GH64( )-300	\$10,030	\$9,330	\$9,800	\$9,110	30,000	5,640	121.75	28.75	18.25	410

#### **GENTLE AIR - 12" LOW SILHOUETTE**

MODEL	LIST PRICE BY DEFROST TYPE				CAPACITY (BTUH) AIR FLOW		DIMENSIONS (IN)			SHIP WGT. (LBS)
	(P)-KGE	(M)-KG	(H)-HGE	(F)-HG	@ 10° F TD	(CFM)	L	W	H	
GL16( )-45	\$2,460	\$2,300	\$2,250	\$2,080	4,500	600	31.75	28.75	12.25	100
GL26( )-90	\$3,790	\$3,540	\$3,570	\$3,310	9,000	1,200	49.75	28.75	12.25	140
GL36( )-135	\$5,020	\$4,670	\$4,800	\$4,450	13,500	1,800	67.75	28.75	12.25	190
GL46( )-180	\$6,410	\$5,980	\$6,190	\$5,760	18,000	2,300	85.75	28.75	12.25	250
GL56( )-225	\$7,400	\$6,890	\$7,180	\$6,670	22,500	3,000	103.75	28.75	12.25	290
GL66( )-268	\$8,380	\$7,820	\$8,160	\$7,600	26,800	3,600	121.75	28.75	12.25	340
GL14( )-35	\$2,420	\$2,240	\$2,200	\$2,030	3,500	630	31.75	28.75	12.25	90
GL24( )-70	\$3,740	\$3,470	\$3,570	\$3,260	7,000	1,260	49.75	28.75	12.25	130
GL34( )-105	\$4,970	\$4,630	\$4,800	\$4,410	10,500	1,890	67.75	28.75	12.25	180
GL44( )-140	\$6,360	\$5,930	\$6,140	\$5,700	14,000	2,520	85.75	28.75	12.25	240
GL54( )-175	\$7,330	\$6,840	\$7,100	\$6,620	17,500	3,150	103.75	28.75	12.25	280
GL64( )-210	\$8,300	\$7,750	\$8,080	\$7,530	21,000	3,780	121.75	28.75	12.25	330

*\*(Units come with standard EC motors; deduct for PSC)*

#### Available types of defrost

- (H)-HGE 3 Pipe Hot Gas with Electric Pan**
- (F)-HG 3 Pipe Hot Gas with no Pan Heat**
- (P)-KGE 2 Pipe Kool gas with Electric Pan**
- (M)-KG 2 Pipe Kool Gas with no Pan Heat**

**(F) and (H) do not include defrost termination or fan delay**



### KR Model Key

**KR**

2

6

E

- 075 -

B

A

A

**Unit Type**

KR: Compact Series

**Number of Fans**

**Fin Spacing**

4, 6 FPI

**Type of Defrost**

- A - Air
- B - Brine
- E - Electric w/ electric pan
- G - 3 pipe hot gas w/ hot gas drain pan
- H - 3 pipe hot gas w/ electric drain pan
- K - 2 pipe kool gas w/ kool gas drain pan
- P - 2 pipe kool gas w/ electric drain pan
- R - Heat reclaim

**Heater Voltage**

- A - 208-230/1/60
- B - 115/1/60
- H - 460/1/60
- K - 208-230/3/60

**Motor Voltage**

- A - 208-230/1/60
- B - 115/1/60
- H - 460/1/60

**Motor Type**

- A - Shaded pole motors
- B - PSC motors
- E - EC motors

**BTU/h in hundreds (00)**



**KR AIR SERIES**

**AIR DEFROST MEDIUM TEMPERATURE**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F		DIMENSIONS (IN)			SHIP WGT. (LBS)
		TD	AIR FLOW	L	W	H	
KR16A-040	\$1,120	4,000	845	29.13	15.32	15.90	55
KR16A-054	\$1,230	5,400	845	29.13	15.32	15.90	60
KR16A-060	\$1,260	6,000	845	29.13	15.32	15.90	60
KR26A-072	\$1,780	7,200	1,690	47.13	15.32	15.90	90
KR26A-089	\$1,950	8,900	1,690	47.13	15.32	15.90	100
KR26A-105	\$2,080	10,500	1,690	47.13	15.32	15.90	100
KR26A-115	\$2,130	11,500	1,690	47.13	15.32	15.90	100
KR26A-125	\$2,250	12,500	1,690	47.13	15.32	15.90	100
KR36A-134	\$2,670	13,400	2,535	65.13	15.32	15.90	120
KR36A-159	\$3,000	15,900	2,535	65.13	15.32	15.90	140
KR36A-170	\$3,160	17,000	2,535	65.13	15.32	15.90	140
KR46A-216	\$3,970	21,600	3,380	83.13	15.32	15.90	180
KR56A-242	\$4,570	24,200	4,225	101.13	15.32	15.90	220
KR66A-310	\$5,510	31,000	5,070	119.13	15.32	15.90	265
KR66A-340	\$5,840	34,000	5,070	119.13	15.32	15.90	265
KR14A-058	\$1,150	5,800	855	29.13	15.32	15.90	60
KR24A-096	\$2,070	9,600	1,750	47.13	15.32	15.90	90
KR24A-117	\$2,190	11,700	1,710	47.13	15.32	15.90	100
KR34A-143	\$2,650	14,300	2,625	65.13	15.32	15.90	125
KR34A-173	\$3,100	17,300	2,565	65.13	15.32	15.90	140
KR44A-191	\$3,740	19,100	3,500	83.13	15.32	15.90	165
KR44A-232	\$3,990	23,200	3,420	83.13	15.32	15.90	180
KR54A-290	\$4,890	29,000	4,275	101.13	15.32	15.90	225
KR64A-348	\$5,800	34,800	5,130	119.13	15.32	15.90	265

**MODEL OPTIONS**

No. of Fans	Reverse Air Flow	Long Throw Adapters	Insulated Drain Pan	Painted Housing	SS Housing & DP	SS Drain Pan (only)	SS Housing & Ins DP
1	\$80	\$70	\$410	\$290	\$780	\$290	\$1,010
2	\$170	\$150	\$530	\$580	\$1,070	\$450	\$1,440
3	\$250	\$220	\$640	\$860	\$1,220	\$510	\$1,750
4	\$340	\$290	\$770	\$1,140	\$1,480	\$610	\$1,940
5	\$420	\$370	\$890	\$1,430	\$1,760	\$660	\$2,280
6	\$500	\$440	\$1,020	\$1,710	\$2,020	\$680	\$2,720

\*(Units come with standard EC motors; must deduct for PSC)

No. of Fans	SS Ins Drain Pan	SS LTA	PSC Motor Deduct*	Copper Fin	Electro Fin (Air Defrost only)
1	\$530	\$340	(\$270)	\$320	\$1,250
2	\$830	\$670	(\$550)	\$640	\$1,250
3	\$1,040	\$1,010	(\$820)	\$960	\$1,250
4	\$1,070	\$1,340	(\$1,090)	\$1,280	\$1,250
5	\$1,190	\$1,680	(\$1,370)	\$1,600	\$1,250
6	\$1,390	\$2,020	(\$1,640)	\$1,920	\$1,490



## KR ELECTRIC SERIES

### ELECTRIC DEFROST LOW TEMPERATURE

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10° F			AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
		-20 SST	+20 SST			L	W	H	
KR14E-037	\$1,410	3,700	5,000	875	29.13	15.32	15.90	55	
KR24E-065	\$2,510	6,500	8,780	1,750	47.13	15.32	15.90	90	
KR24E-074	\$2,630	7,400	9,990	1,750	47.13	15.32	15.90	90	
KR34E-111	\$3,660	11,100	14,990	2,625	65.13	15.32	15.90	125	
KR44E-148	\$4,830	14,800	19,850	3,500	83.13	15.32	15.90	165	
KR54E-185	\$6,110	18,500	24,980	4,375	101.13	15.32	15.90	200	
KR64E-213	\$6,760	21,300	28,760	5,250	119.13	15.32	15.90	240	
KR64E-220	\$6,960	22,000	29,700	5,250	119.13	15.32	15.90	240	
KR16E-035	\$1,590	3,500	4,730	845	29.13	15.32	15.90	55	
KR16E-041	\$1,700	4,100	5,540	845	29.13	15.32	15.90	60	
KR16E-045	\$1,770	4,500	6,080	845	29.13	15.32	15.90	60	
KR26E-067	\$2,470	6,700	9,050	1,690	47.13	15.32	15.90	100	
KR26E-075	\$2,510	7,500	10,130	1,690	47.13	15.32	15.90	100	
KR26E-090	\$2,660	9,000	12,150	1,690	47.13	15.32	15.90	100	
KR36E-126	\$3,580	12,600	17,010	2,535	65.13	15.32	15.90	140	
KR36E-135	\$3,780	13,500	18,230	2,535	65.13	15.32	15.90	140	
KR46E-160	\$4,590	16,000	21,600	3,380	83.13	15.32	15.90	180	
KR46E-180	\$5,060	18,000	24,300	3,380	83.13	15.32	15.90	180	
KR56E-192	\$5,650	19,200	25,920	4,225	101.13	15.32	15.90	220	
KR66E-240	\$6,670	24,000	32,400	5,070	119.13	15.32	15.90	265	
KR66E-270	\$7,240	27,000	36,450	5,070	119.13	15.32	15.90	265	

\*(Units come with standard EC motors; deduct for PSC)



**KR GAS SERIES**

**GAS DEFROST LOW TEMPERATURE**

MODEL	LIST PRICE BY DEFROST TYPE				CAPACITY		AIR FLOW	DIMENSIONS (IN)			SHIP WGT. (LBS)
	(P)-KGE	(K)-KGG	(H)-HGE	(G)-HGG	-20 SST	+20 SST	(CFM)	L	W	H	
KR14( )-037	\$1,520	\$1,960	\$1,430	\$1,780	3,700	5,000	875	29.13	15.32	15.90	55
KR24( )-065	\$2,670	\$3,420	\$2,500	\$3,110	6,500	8,780	1,750	47.13	15.32	15.90	90
KR24( )-074	\$2,740	\$3,510	\$2,570	\$3,210	7,400	9,990	1,750	47.13	15.32	15.90	90
KR34( )-111	\$3,110	\$3,910	\$2,920	\$3,580	11,100	14,990	2,625	65.13	15.32	15.90	125
KR44( )-148	\$4,040	\$5,090	\$3,810	\$4,670	14,800	19,850	3,500	83.13	15.32	15.90	165
KR54( )-185	\$5,010	\$6,290	\$4,730	\$5,780	18,500	24,980	4,375	101.13	15.32	15.90	200
KR64( )-213	\$5,700	\$7,130	\$5,390	\$6,550	21,300	28,760	5,250	119.13	15.32	15.90	240
KR64( )-220	\$5,870	\$7,360	\$5,540	\$6,760	22,000	29,700	5,250	119.13	15.32	15.90	240
KR16( )-035	\$1,590	\$2,060	\$1,490	\$1,870	3,500	4,730	845	29.13	15.32	15.90	55
KR16( )-041	\$1,730	\$2,240	\$1,620	\$2,040	4,100	5,540	845	29.13	15.32	15.90	60
KR16( )-045	\$1,860	\$2,410	\$1,730	\$2,190	4,500	6,080	845	29.13	15.32	15.90	60
KR26( )-067	\$2,470	\$3,130	\$2,310	\$2,870	6,700	9,050	1,690	47.13	15.32	15.90	100
KR26( )-075	\$2,630	\$3,360	\$2,460	\$3,060	7,500	10,130	1,690	47.13	15.32	15.90	100
KR26( )-090	\$2,870	\$3,680	\$2,680	\$3,350	9,000	12,150	1,690	47.13	15.32	15.90	100
KR36( )-126	\$3,080	\$3,870	\$2,900	\$3,540	12,600	17,010	2,535	65.13	15.32	15.90	140
KR36( )-135	\$3,320	\$4,190	\$3,120	\$3,830	13,500	18,230	2,535	65.13	15.32	15.90	140
KR46( )-160	\$3,840	\$4,820	\$3,620	\$4,420	16,000	21,600	3,380	83.13	15.32	15.90	180
KR46( )-180	\$4,270	\$5,380	\$4,010	\$4,930	18,000	24,300	3,380	83.13	15.32	15.90	180
KR56( )-192	\$4,940	\$6,050	\$4,690	\$5,600	19,200	25,920	4,225	101.13	15.32	15.90	220
KR66( )-240	\$5,510	\$6,880	\$5,210	\$6,330	24,000	32,400	5,070	119.13	15.32	15.90	265
KR66( )-270	\$5,990	\$7,520	\$5,640	\$6,900	27,000	36,450	5,070	119.13	15.32	15.90	265

*\*(Units come with standard EC motors; deduct for PSC)*

**Available types of defrost**

***(H)-HGE 3 Pipe Hot Gas with Electric Pan***

***(G)-HGG 3 Pipe Hot Gas with Hot Gas Pan***

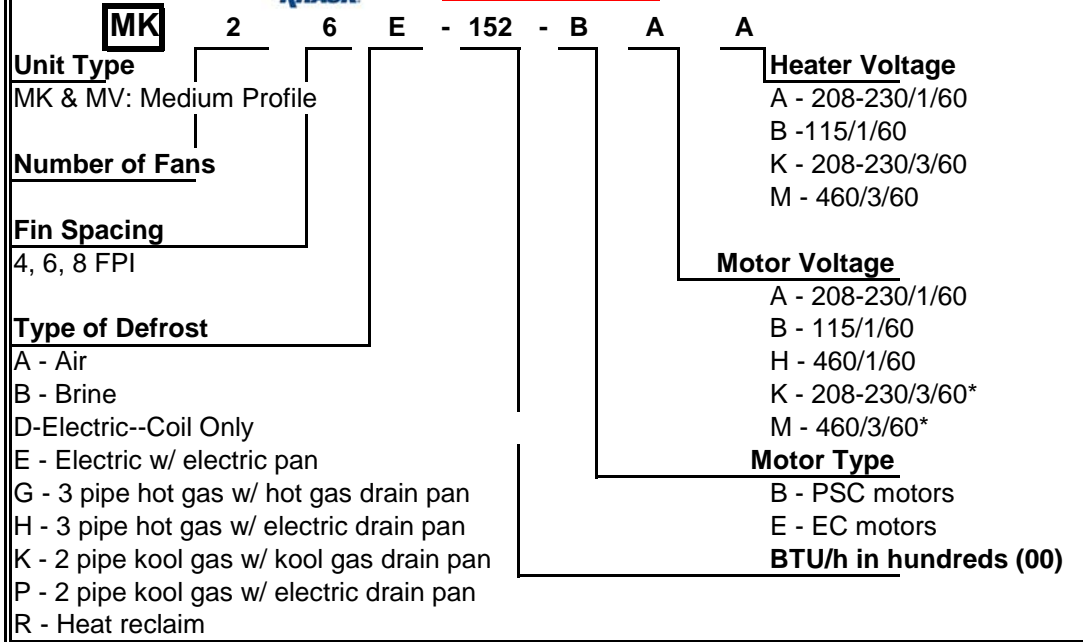
***(P)-KGE 2 Pipe Kool gas with Electric Pan***

***(K)-KGG 2 Pipe Kool Gas with Kool Gas Pan***

***\* H & G Do not include defrost termination or fan delay***



### MK Model Key



*\*Single phase motors wired for three phase operation. Not available on one fan units*



**MK AIR MODELS**

**AIR DEFROST MEDIUM TEMPERATURE**

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10°F TD		DIMENSIONS (IN)			SHIP WGT. (LBS)
		AIR FLOW (CFM)	AIR FLOW (CFM)	L	W	H	
MK14A-68	\$1,860	6,800	3,245	38.00	19.00	26.75	115
MK16A-86	\$1,940	8,600	2,985	38.00	19.00	26.75	115
MK14A-94	\$1,970	9,400	3,060	38.00	19.00	26.75	125
MK18A-98	\$2,000	9,800	2,860	38.00	19.00	26.75	115
MK16A-118	\$2,420	11,800	2,815	38.00	19.00	26.75	125
MK14A-121	\$2,590	12,100	2,960	38.00	19.00	26.75	130
MK18A-133	\$2,620	13,300	2,710	38.00	19.00	26.75	125
MK16A-145	\$2,650	14,500	2,725	38.00	19.00	26.75	130
MK18A-160	\$2,710	16,000	2,625	38.00	19.00	26.75	130
MK26A-172	\$3,570	17,200	5,970	63.00	19.00	26.75	215
MK24A-188	\$3,830	18,800	6,120	63.00	19.00	26.75	225
MK28A-196	\$4,070	19,600	5,720	63.00	19.00	26.75	215
MK26A-236	\$4,420	23,600	5,630	63.00	19.00	26.75	225
MK24A-242	\$4,500	24,200	5,920	63.00	19.00	26.75	240
MK28A-266	\$4,600	26,600	5,420	63.00	19.00	26.75	225
MK26A-290	\$5,230	29,000	5,450	63.00	19.00	26.75	240
MK28A-320	\$5,470	32,000	5,250	63.00	19.00	26.75	240
MK36A-354	\$6,640	35,400	8,445	92.00	19.00	26.75	330
MK34A-363	\$6,960	36,300	8,880	92.00	19.00	26.75	350
MK38A-393	\$7,750	39,300	8,130	92.00	19.00	26.75	330
MK36A-435	\$8,100	43,500	8,175	92.00	19.00	26.75	350
MK38A-480	\$8,420	48,000	7,875	92.00	19.00	26.75	350
MK44A-484	\$9,270	48,400	11,840	119.00	19.00	26.75	470
MK46A-580	\$9,760	58,000	10,900	119.00	19.00	26.75	470
MK48A-640	\$10,070	64,000	10,500	119.00	19.00	26.75	470

\*(Units come with standard EC motors; deduct for PSC)

**MODEL OPTIONS**

No. of Fans	Long Throw Adapters	Insulated Drain Pan	Painted Housing	SS Housing & Non Ins DP	SS Non Ins Drain Pan (only)	SS Housing & Ins DP
1	\$200	\$390	\$430	\$1,330	\$600	\$2,000
2	\$400	\$480	\$860	\$1,670	\$750	\$2,480
3	\$600	\$630	\$1,290	\$2,280	\$980	\$3,190
4	\$710	\$1,020	\$1,720	\$3,320	\$1,580	\$4,590

No. of Fans	SS Ins Drain Pan	SS LTA	PSC Motor Deduct*	Copper Fin	Electro Fin (Air Defrost only)
1	\$1,190	\$500	(\$490)	\$690	\$1,250
2	\$1,460	\$1,000	(\$990)	\$1,380	\$1,450
3	\$1,760	\$1,490	(\$1,480)	\$2,070	\$2,070
4	\$2,680	\$2,000	(\$1,970)	\$2,760	\$2,690



**MK/MV ELECTRIC SERIES - MEDIUM PROFILE UNITS**

**ELECTRIC DEFROST LOW/MEDIUM TEMPERATURE**

MODEL	LIST PRICE	CAPACITY (BTUH)			DIMENSIONS (IN)			SHIP WGT. (LBS)
		@ 10° F TD	@10° F TD	AIR FLOW	L	W	H	
		-20 SST	+20 SST	(CFM)				
MK16E-76	\$2,860	7,600	8,600	2,985	38.00	19.00	26.75	115
MK16E-103	\$3,070	10,300	11,800	2,815	38.00	19.00	26.75	125
MK16E-127	\$3,240	12,700	14,500	2,725	38.00	19.00	26.75	130
MK26E-152	\$4,230	15,200	17,200	5,970	63.00	19.00	26.75	215
MK26E-206	\$5,320	20,600	23,600	5,630	63.00	19.00	26.75	225
MK26E-254	\$6,460	25,400	29,000	5,450	63.00	19.00	26.75	240
MK36E-309	\$7,760	30,900	35,400	8,445	92.00	19.00	26.75	330
MK36E-381	\$8,790	38,100	43,500	8,175	92.00	19.00	26.75	350
MK46E-508	\$10,390	50,800	58,000	10,900	119.00	19.00	26.75	470
MK14E-60	\$2,820	6,000	6,800	3,245	38.00	19.00	26.75	115
MK14E-82	\$3,040	8,200	9,400	3,060	38.00	19.00	26.75	125
MK14E-105	\$3,180	10,500	12,100	2,960	38.00	19.00	26.75	130
MK24E-120	\$4,100	12,000	13,600	6,490	63.00	19.00	26.75	215
MK24E-164	\$5,200	16,400	18,800	6,120	63.00	19.00	26.75	225
MK24E-210	\$6,360	21,000	24,200	5,920	63.00	19.00	26.75	240
MK34E-246	\$7,620	24,600	28,200	9,180	92.00	19.00	26.75	330
MK34E-315	\$8,620	31,500	36,300	8,880	92.00	19.00	26.75	350
MK44E-420	\$10,200	42,000	48,400	11,840	119.00	19.00	26.75	470

**LOW TEMPERATURE - BELOW +30°F EXTRA HIGH VELOCITY**

MODEL	LIST PRICE	CAPACITY (BTUH)			DIMENSIONS (IN)			SHIP WGT. (LBS)
		@ 10°F TD	@10°F TD	AIR FLOW	L	W	H	
		-20 SST	+20 SST	(CFM)				
MV16E-93	\$3,290	9,300	N/A	4,405	38.00	19.00	26.75	115
MV16E-126	\$3,790	12,600	N/A	3,955	38.00	19.00	26.75	125
MV16E-155	\$4,420	15,500	N/A	3,800	38.00	19.00	26.75	130
MV26E-186	\$5,950	18,600	N/A	8,810	63.00	19.00	26.75	215
MV26E-252	\$6,350	25,200	N/A	7,910	63.00	19.00	26.75	225
MV26E-310	\$7,560	31,000	N/A	7,600	63.00	19.00	26.75	240
MV36E-378	\$9,040	37,800	N/A	11,865	92.00	19.00	26.75	330
MV36E-465	\$10,270	46,500	N/A	11,400	92.00	19.00	26.75	350
MV46E-620	\$12,080	62,000	N/A	15,200	119.00	19.00	26.75	470
MV14E-73	\$3,160	7,300	N/A	4,790	38.00	19.00	26.75	115
MV14E-100	\$3,600	10,000	N/A	4,300	38.00	19.00	26.75	125
MV14E-128	\$4,100	12,800	N/A	4,130	38.00	19.00	26.75	130
MV24E-146	\$5,660	14,600	N/A	9,580	63.00	19.00	26.75	215
MV24E-200	\$6,270	20,000	N/A	8,600	63.00	19.00	26.75	225
MV24E-256	\$7,410	25,600	N/A	8,260	63.00	19.00	26.75	240
MV34E-300	\$8,870	30,000	N/A	12,900	92.00	19.00	26.75	330
MV34E-384	\$10,070	38,400	N/A	12,390	92.00	19.00	26.75	350
MV44E-512	\$11,850	51,200	N/A	16,520	119.00	19.00	26.75	470

\*(Units come with standard EC motors for 115 and 230 V; deduct for PSC/Shaded Pole and on 460V units)



**MK/MV GAS SERIES - MEDIUM PROFILE UNITS**

**HOT GAS DEFROST, LOW/MEDIUM TEMPERATURE**

MODEL	LIST PRICE BY DEFROST TYPE				CAPACITY (BTUH) @ 10°F			DIMENSIONS (IN)			SHIP WGT. (LBS)
					TD		AIR FLOW	L	W	H	
	(P)-KGE	(K)-KGG	(H)-HGE	(G)-HGG	-20 SST	+20 SST	(CFM)				
MK16( )-76	\$2,800	\$3,160	\$2,580	\$2,940	7,600	8,600	2,985	38.00	19.00	26.75	115
MK16( )-103	\$3,010	\$3,400	\$2,790	\$3,180	10,300	11,800	2,815	38.00	19.00	26.75	125
MK16( )-127	\$3,170	\$3,580	\$2,950	\$3,360	12,700	14,500	2,725	38.00	19.00	26.75	130
MK26( )-152	\$4,130	\$4,610	\$3,910	\$4,400	15,200	17,200	5,970	63.00	19.00	26.75	215
MK26( )-206	\$5,180	\$5,830	\$4,960	\$5,600	20,600	23,600	5,630	63.00	19.00	26.75	225
MK26( )-254	\$6,290	\$7,110	\$6,070	\$6,890	25,400	29,000	5,450	63.00	19.00	26.75	240
MK36( )-309	\$7,450	\$8,520	\$7,220	\$8,290	30,900	35,400	8,445	92.00	19.00	26.75	330
MK36( )-381	\$8,430	\$9,670	\$8,210	\$9,440	38,100	43,500	8,175	92.00	19.00	26.75	350
MK46( )-508	\$9,970	\$11,400	\$9,750	\$11,180	50,800	58,000	10,900	119.00	19.00	26.75	470
MK14( )-60	\$2,700	\$3,030	\$2,470	\$2,810	6,000	6,800	3,245	38.00	19.00	26.75	115
MK14( )-82	\$2,890	\$3,270	\$2,670	\$3,050	8,200	9,400	3,060	38.00	19.00	26.75	125
MK14( )-105	\$3,030	\$3,420	\$2,810	\$3,200	10,500	12,100	2,960	38.00	19.00	26.75	130
MK24( )-120	\$3,920	\$4,420	\$3,700	\$4,160	12,000	13,600	6,490	63.00	19.00	26.75	215
MK24( )-164	\$4,970	\$5,580	\$4,750	\$5,360	16,400	18,800	6,120	63.00	19.00	26.75	225
MK24( )-210	\$6,060	\$6,830	\$5,840	\$6,620	21,000	24,200	5,920	63.00	19.00	26.75	240
MK34( )-246	\$7,150	\$8,160	\$6,930	\$7,940	24,600	28,200	9,180	92.00	19.00	26.75	330
MK34( )-315	\$8,070	\$9,260	\$7,860	\$9,040	31,500	36,300	8,880	92.00	19.00	26.75	350
MK44( )-420	\$9,560	\$10,930	\$9,340	\$10,710	42,000	48,400	11,840	119.00	19.00	26.75	470

*\*(Units come with standard EC motors for 115 and 230 V; deduct for PSC//Shaded Pole and on 460V units)*

**Available types of defrost**

**(H)-HGE 3 Pipe Hot Gas with Electric Pan\***

**(G)-HGG 3 Pipe Hot Gas with Hot Gas Pan\***

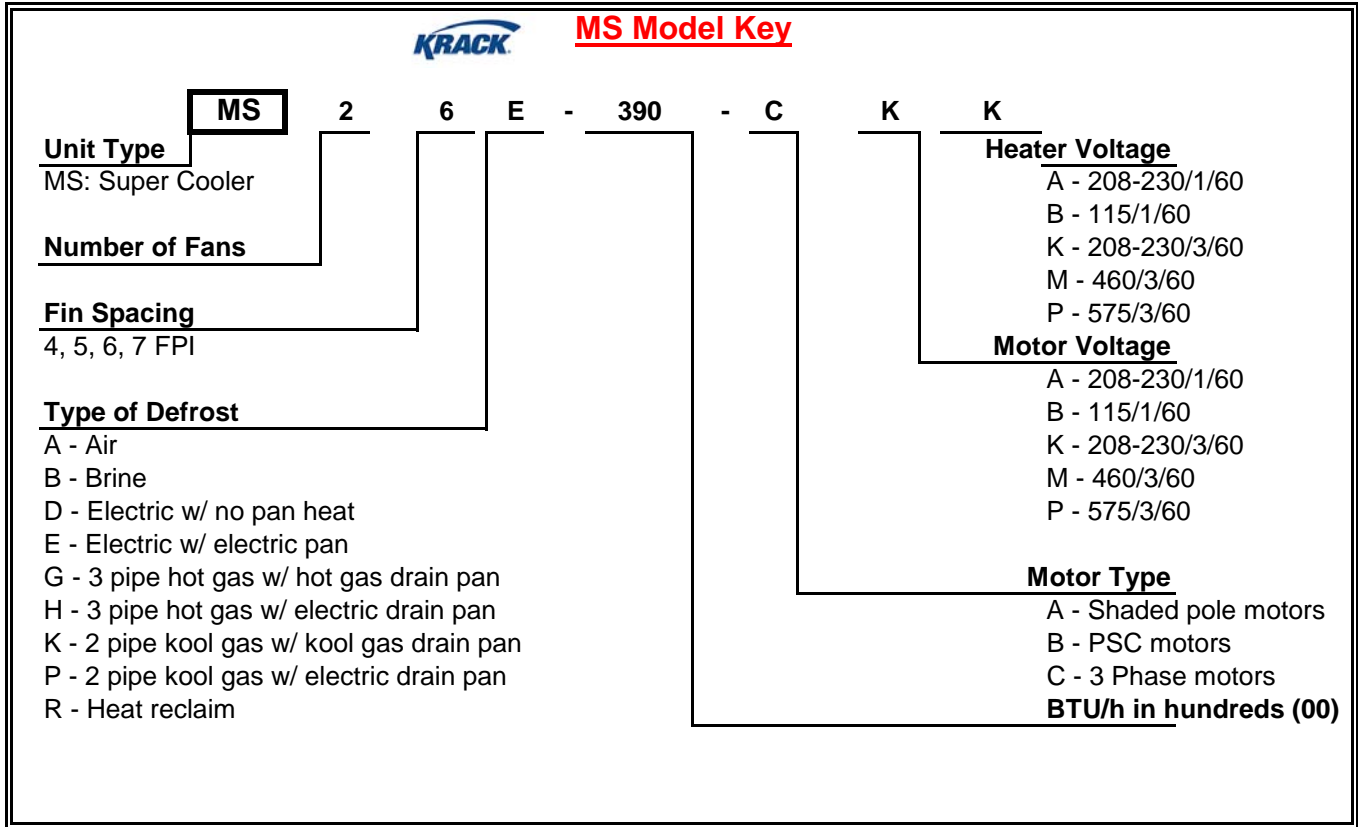
**(P)-KGE 2 Pipe Kool gas with Electric Pan**

**(K)-KGG 2 Pipe Kool Gas with Kool Gas Pan**

*\* H & G Units do not include defrost termination of fan delay*



### MS Model Key



**Unit Type**

MS: Super Cooler

**Number of Fans**

**Fin Spacing**

4, 5, 6, 7 FPI

**Type of Defrost**

- A - Air
- B - Brine
- D - Electric w/ no pan heat
- E - Electric w/ electric pan
- G - 3 pipe hot gas w/ hot gas drain pan
- H - 3 pipe hot gas w/ electric drain pan
- K - 2 pipe kool gas w/ kool gas drain pan
- P - 2 pipe kool gas w/ electric drain pan
- R - Heat reclaim

**Heater Voltage**

- A - 208-230/1/60
- B - 115/1/60
- K - 208-230/3/60
- M - 460/3/60
- P - 575/3/60

**Motor Voltage**

- A - 208-230/1/60
- B - 115/1/60
- K - 208-230/3/60
- M - 460/3/60
- P - 575/3/60

**Motor Type**

- A - Shaded pole motors
- B - PSC motors
- C - 3 Phase motors

**BTU/h in hundreds (00)**



**MS AIR SERIES MODELS**

Air Defrost - Medium Temperature

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10°F		DIMENSIONS (IN)			SHIP WGT. (LBS)
		TD	AIR FLOW	L	W	H	
		+20 SST	(CFM)				
MS14A-150	\$3,080	15,020	4200	57.00	26.625	26.25	142
MS14A-190	\$3,760	19,030	4120	57.00	26.625	26.25	153
MS14A-225	\$4,260	22,470	4000	57.00	26.625	26.25	171
MS14A-249	\$4,740	24,910	3920	57.00	26.625	26.25	184
MS16A-184	\$3,180	18,360	4120	57.00	26.625	26.25	151
MS16A-229	\$3,860	22,940	4040	57.00	26.625	26.25	164
MS16A-260	\$4,400	26,010	3940	57.00	26.625	26.25	182
MS16A-281	\$4,880	28,100	3850	57.00	26.625	26.25	197
MS17A-199	\$3,230	19,880	4080	57.00	26.625	26.25	161
MS17A-246	\$3,950	24,590	4000	57.00	26.625	26.25	174
MS17A-275	\$4,490	27,500	3900	57.00	26.625	26.25	194
MS17A-295	\$4,980	29,540	3800	57.00	26.625	26.25	209
MS24A-300	\$5,150	30,040	8400	102.00	26.625	26.25	247
MS24A-381	\$6,540	38,050	8240	102.00	26.625	26.25	272
MS24A-450	\$7,370	44,950	8000	102.00	26.625	26.25	301
MS24A-498	\$7,970	49,820	7840	102.00	26.625	26.25	326
MS26A-367	\$5,300	36,710	8240	102.00	26.625	26.25	269
MS26A-459	\$6,740	45,880	8080	102.00	26.625	26.25	297
MS26A-520	\$7,590	52,030	7880	102.00	26.625	26.25	328
MS26A-562	\$8,210	56,190	7700	102.00	26.625	26.25	355
MS27A-398	\$5,420	39,760	8160	102.00	26.625	26.25	309
MS27A-492	\$6,880	49,180	8000	102.00	26.625	26.25	342
MS27A-550	\$7,750	55,000	7800	102.00	26.625	26.25	370
MS27A-591	\$8,380	59,080	7600	102.00	26.625	26.25	419
MS34A-524	\$8,870	52,400	12135	129.00	26.625	26.25	369
MS34A-623	\$10,070	62,250	11505	129.00	26.625	26.25	402
MS34A-708	\$10,730	70,820	11325	129.00	26.625	26.25	433
MS36A-626	\$9,160	62,610	11895	129.00	26.625	26.25	402
MS36A-712	\$10,370	71,180	11040	129.00	26.625	26.25	438
MS36A-806	\$11,070	80,620	10995	129.00	26.625	26.25	472
MS37A-663	\$9,360	66,340	11700	129.00	26.625	26.25	419
MS37A-755	\$11,030	75,540	10995	129.00	26.625	26.25	456
MS37A-849	\$11,290	84,870	10905	129.00	26.625	26.25	492
MS44A-699	\$11,580	69,870	16180	168.00	26.625	26.25	493
MS44A-830	\$12,540	83,000	15340	168.00	26.625	26.25	528
MS44A-944	\$13,790	94,430	15100	168.00	26.625	26.25	578
MS46A-835	\$11,940	83,480	15860	168.00	26.625	26.25	538
MS46A-949	\$12,930	94,900	14720	168.00	26.625	26.25	576
MS46A-1075	\$14,230	107,490	14660	168.00	26.625	26.25	630
MS47A-885	\$12,190	88,450	15600	168.00	26.625	26.25	560
MS47A-1007	\$13,220	100,720	14660	168.00	26.625	26.25	600
MS47A-1132	\$14,550	113,170	14540	168.00	26.625	26.25	656

**MODEL OPTIONS**

No. of Fans	Long Throw Adapters	Insulated Drain Pan	Painted Housing	SS Housing & DP	SS Drain Pan (only)
1	\$250	\$430	\$810	\$1,790	\$580
2	\$500	\$770	\$1,230	\$2,810	\$1,030
3	\$760	\$950	\$1,500	\$4,530	\$1,980
4	\$1,010	\$1,240	\$1,880	\$5,340	\$2,290

\* EC motors not available on MS Evaporators

No. of Fans	SS Housing & Ins DP	SS Ins Drain Pan	SS LTA	Copper Fin	Electro Fin (Air Defrost only)
1	\$2,490	\$1,160	\$750	\$1,590	\$1,620
2	\$3,990	\$2,030	\$1,490	\$3,180	\$2,270
3	\$5,740	\$2,950	\$2,240	\$4,770	\$2,890
4	\$7,020	\$3,660	\$2,980	\$6,360	\$3,800



**MS ELECTRIC SERIES**

**Electric Defrost-Low Temperature**

**MS Series**

MODEL	LIST PRICE	TY (BTUH) @ 10°F		AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
		-20 SST	+20 SST		L	W	H	
MS14E-162	\$4,380	16,180	19,030	4,120	57.00	26.625	26.25	174
MS14E-212	\$5,420	21,170	24,910	3,920	57.00	26.625	26.25	208
MS15E-178	\$4,440	17,790	20,930	4,060	57.00	26.625	26.25	186
MS15E-223	\$5,500	22,260	26,190	3,890	57.00	26.625	26.25	221
MS16E-195	\$4,520	19,500	22,940	4,040	57.00	26.625	26.25	198
MS16E-239	\$5,570	23,890	28,100	3,850	57.00	26.625	26.25	236
MS24E-323	\$9,290	32,340	38,050	8,240	102.00	26.625	26.25	297
MS24E-424	\$10,190	42,350	49,820	7,840	102.00	26.625	26.25	357
MS25E-356	\$9,430	35,580	41,860	8,120	102.00	26.625	26.25	317
MS25E-444	\$10,350	44,450	52,290	7,780	102.00	26.625	26.25	381
MS26E-390	\$9,580	39,000	45,880	8,080	102.00	26.625	26.25	337
MS26E-478	\$10,510	47,760	56,190	7,700	102.00	26.625	26.25	406
MS34E-445	\$10,860	44,540	52,400	12,135	129.00	26.625	26.25	398
MS34E-602	\$11,800	60,200	70,820	11,325	129.00	26.625	26.25	470
MS35E-502	\$11,050	50,180	59,030	12,015	129.00	26.625	26.25	425
MS35E-643	\$11,970	64,330	75,680	11,205	129.00	26.625	26.25	502
MS36E-532	\$11,210	53,220	62,610	11,895	129.00	26.625	26.25	452
MS36E-685	\$12,150	68,530	80,620	10,995	129.00	26.625	26.25	534
MS44E-594	\$13,900	59,390	69,870	16,180	168.00	26.625	26.25	541
MS44E-803	\$16,030	80,270	94,430	15,100	168.00	26.625	26.25	616
MS45E-669	\$14,120	66,900	78,710	16,020	168.00	26.625	26.25	578
MS45E-858	\$16,260	85,770	100,910	14,940	168.00	26.625	26.25	658
MS46E-710	\$14,330	70,960	83,480	15,860	168.00	26.625	26.25	615
MS46E-914	\$16,530	91,370	107,490	14,660	168.00	26.625	26.25	700



**MS GAS SERIES**

**Hot Gas Defrost - Medium Profile**

**Low Temperature**

MODEL	LIST PRICE BY DEFROST TYPE				CAPACITY (BTUH) @ 10°F			DIMENSIONS (IN)			SHIP WGT. (LBS)
					TD		AIR FLOW				
	(P)-KGE	(K)-KGG	(H)-HGE	(G)-HGG	-20 SST	+20 SST	(CFM)	L	W	H	
MS14( )-162	\$4,260	\$5,400	\$4,060	\$5,340	16,180	19,030	4,120	57.00	26.625	26.25	174
MS14( )-212	\$5,280	\$6,520	\$5,040	\$6,460	21,170	24,910	3,920	57.00	26.625	26.25	208
MS15( )-178	\$4,340	\$5,460	\$4,140	\$5,440	17,790	20,930	4,060	57.00	26.625	26.25	186
MS15( )-223	\$5,360	\$6,600	\$5,110	\$6,580	22,260	26,190	3,890	57.00	26.625	26.25	221
MS16( )-195	\$4,400	\$5,530	\$4,200	\$5,520	19,500	22,940	4,040	57.00	26.625	26.25	198
MS16( )-239	\$5,440	\$6,700	\$5,190	\$6,700	23,890	28,100	3,850	57.00	26.625	26.25	236
MS24( )-323	\$9,050	\$11,040	\$8,640	\$10,940	32,340	38,050	8,240	102.00	26.625	26.25	297
MS24( )-424	\$9,930	\$12,010	\$9,480	\$11,920	42,350	49,820	7,840	102.00	26.625	26.25	357
MS25( )-356	\$9,200	\$11,190	\$8,780	\$11,150	35,580	41,860	8,120	102.00	26.625	26.25	317
MS25( )-444	\$10,090	\$12,190	\$9,620	\$12,140	44,450	52,290	7,780	102.00	26.625	26.25	381
MS26( )-390	\$9,350	\$11,350	\$8,900	\$11,340	39,000	45,880	8,080	102.00	26.625	26.25	337
MS26( )-478	\$10,250	\$12,360	\$9,780	\$12,330	47,760	56,190	7,700	102.00	26.625	26.25	406
MS34( )-445	\$10,590	\$12,960	\$10,100	\$12,850	44,540	52,400	12,135	129.00	26.625	26.25	398
MS34( )-602	\$11,500	\$13,990	\$10,980	\$13,860	60,200	70,820	11,325	129.00	26.625	26.25	470
MS35( )-502	\$10,770	\$13,160	\$10,280	\$13,050	50,180	59,030	12,015	129.00	26.625	26.25	425
MS35( )-643	\$11,670	\$14,180	\$11,130	\$14,080	64,330	75,680	11,205	129.00	26.625	26.25	502
MS36( )-532	\$10,930	\$13,340	\$10,440	\$13,270	53,220	62,610	11,895	129.00	26.625	26.25	452
MS36( )-685	\$11,840	\$14,360	\$11,300	\$14,330	68,530	80,620	10,995	129.00	26.625	26.25	534
MS44( )-594	\$13,570	\$16,580	\$12,930	\$16,430	59,390	69,870	16,180	168.00	26.625	26.25	541
MS44( )-803	\$15,630	\$18,890	\$14,910	\$18,730	80,270	94,430	15,100	168.00	26.625	26.25	616
MS45( )-669	\$13,770	\$16,800	\$13,130	\$16,720	66,900	78,710	16,020	168.00	26.625	26.25	578
MS45( )-858	\$15,870	\$19,150	\$15,130	\$19,050	85,770	100,910	14,940	168.00	26.625	26.25	658
MS46( )-710	\$13,980	\$17,040	\$13,320	\$16,990	70,960	83,480	15,860	168.00	26.625	26.25	615
MS46( )-914	\$16,110	\$19,440	\$15,360	\$19,400	91,370	107,490	14,660	168.00	26.625	26.25	700

**Available types of defrost**

- (H)-HGE 3 Pipe Hot Gas with Electric Pan**
- (G)-HGG 3 Pipe Hot Gas with Hot Gas Pan**
- (P)-KGE 2 Pipe Kool gas with Electric Pan**
- (K)-KGG 2 Pipe Kool Gas with Kool Gas Pan**



### SM Model Key

**SM**

2

5

E

- 842 -

C

K

K

**Unit Type**

SM: Space Master

SV: High Velocity

**Number of Fans**

**Fin Spacing**

4, 5, 6, 7 FPI

**Type of Defrost**

A - Air

B - Brine

D - Electric w/ no pan heat

E - Electric w/ electric pan

G - 3 pipe hot gas w/ hot gas drain pan

H - 3 pipe hot gas w/ electric drain pan

K - 2 pipe kool gas w/ kool gas drain pan

P - 2 pipe kool gas w/ electric drain pan

R - Heat reclaim

**Heater Voltage**

K - 208-230/3/60

M - 460/3/60

P - 575/3/60

U - 380/3/50

**Motor Voltage**

K - 208-230/3/60

M - 460/3/60

P - 575/3/60

U - 380/3/50

**Motor Type**

C - 3 Phase motors

**BTU/h in hundreds (00)**



**SM AIR (SPACE MASTER) SERIES**

**AIR DEFROST MEDIUM TEMPERATURE**

**MEDIUM TEMPERATURE**

MODEL	LIST PRICE	CAPACITY	AIR FLOW	DIMENSIONS (IN)			SHIP WGT. (LBS)
		(BTUH) @ 10°F TD	(CFM)	L	W	H	
SM14A-314	\$5,810	31,400	9,860	77.00	38.50	40.50	410
SM16A-378	\$6,100	37,800	8,980	77.00	38.50	40.50	445
SM17A-410	\$6,230	41,000	8,550	77.00	38.50	40.50	465
SM14A-403	\$6,560	40,300	9,690	77.00	38.50	40.50	430
SM16A-463	\$6,770	46,300	8,810	77.00	38.50	40.50	470
SM17A-503	\$7,050	50,300	8,390	77.00	38.50	40.50	490
SM14A-469	\$7,160	46,900	9,510	77.00	38.50	40.50	450
SM16A-538	\$7,370	53,800	8,480	77.00	38.50	40.50	495
SM17A-585	\$7,910	58,500	8,100	77.00	38.50	40.50	515
SM14A-526	\$7,930	52,600	9,330	77.00	38.50	40.50	484
SM16A-604	\$8,030	60,400	8,400	77.00	38.50	40.50	530
SM17A-657	\$8,120	65,700	8,000	77.00	38.50	40.50	550
SM24A-619	\$9,270	61,900	19,700	134.25	38.50	40.50	830
SM26A-746	\$9,490	74,600	17,900	134.25	38.50	40.50	885
SM27A-811	\$9,820	81,100	17,100	134.25	38.50	40.50	940
SM24A-797	\$10,640	79,700	19,380	134.25	38.50	40.50	836
SM26A-915	\$11,050	91,500	17,600	134.25	38.50	40.50	895
SM27A-995	\$12,560	99,500	16,800	134.25	38.50	40.50	950
SM24A-882	\$13,390	88,200	18,890	134.25	38.50	40.50	845
SM26A-1063	\$14,080	106,300	16,900	134.25	38.50	40.50	905
SM27A-1155	\$15,290	115,500	16,100	134.25	38.50	40.50	960
SM24A-1038	\$15,990	103,800	18,400	134.25	38.50	40.50	858
SM26A-1192	\$16,580	119,200	16,800	134.25	38.50	40.50	915
SM27A-1296	\$16,640	129,600	15,900	134.25	38.50	40.50	975
SM34A-1123	\$16,800	112,300	28,600	134.25	38.50	51.00	960
SM36A-1289	\$17,150	128,900	24,900	134.25	38.50	51.00	1,070
SM37A-1402	\$17,520	140,200	24,700	134.25	38.50	51.00	1,090
SM34A-1243	\$18,060	124,300	28,000	134.25	38.50	51.00	1,034
SM36A-1498	\$18,430	149,800	24,600	134.25	38.50	51.00	1,156
SM37A-1628	\$19,380	162,800	23,700	134.25	38.50	51.00	1,175
SM34A-1463	\$19,990	146,300	27,400	134.25	38.50	51.00	1,100
SM36A-1678	\$20,290	167,800	24,400	134.25	38.50	51.00	1,235
SM37A-1824	\$22,010	182,400	23,500	134.25	38.50	51.00	1,255
SM44A-1532	\$22,690	153,200	33,900	173.00	38.50	52.50	1,280
SM46A-1846	\$23,050	184,600	33,200	173.00	38.50	52.50	1,430
SM47A-1920	\$23,430	192,000	32,930	173.00	38.50	52.50	1,455
SM44A-1829	\$25,700	182,900	33,400	173.00	38.50	52.50	1,380
SM46A-2204	\$26,160	220,400	32,800	173.00	38.50	52.50	1,540
SM47A-2281	\$26,260	228,100	31,600	173.00	38.50	52.50	1,565
SM44A-2015	\$27,520	201,500	33,000	173.00	38.50	52.50	1,470
SM46A-2428	\$27,730	242,800	32,530	173.00	38.50	52.50	1,645
SM47A-2581	\$28,230	258,100	31,330	173.00	38.50	52.50	1,670

**MODEL OPTIONS**

No. of Fans	Long Throw Adapters	Insulated Drain Pan	Painted Housing	SS Housing & DP	SS Drain Pan (only)
1	\$320	\$920	\$1,350	\$2,580	\$770
2	\$630	\$1,260	\$2,460	\$3,840	\$1,620
3	\$950	\$1,260	\$3,070	\$4,060	\$1,620
4	\$1,260	\$1,670	\$3,930	\$4,910	\$2,000

No. of Fans	SS Housing & Ins DP	SS Ins Drain Pan	SS LTA	Copper Fin	Electro Fin (Air Defrost only)
1	\$3,630	\$1,820	\$1,030	\$2,870	\$2,400
2	\$5,540	\$3,330	\$2,060	\$5,730	\$4,330
3	\$5,760	\$3,330	\$3,090	\$8,590	\$5,770
4	\$6,370	\$3,440	\$4,120	\$11,450	\$7,580



## SM/SV ELECTRIC MODELS

### Electric Defrost-Low Temperature

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10°F			AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
		TD				L	W	H	
		@-20° SST	@+20° SST						
SM14E-384	\$8,030	38,400	40,300	9,690	77.00	38.50	40.50	440	
SM15E-426	\$9,040	42,600	44,700	9,250	77.00	38.50	40.50	450	
SM16E-440	\$9,570	44,000	46,300	8,810	77.00	38.50	40.50	470	
SM14E-501	\$9,700	50,100	52,600	9,330	77.00	38.50	40.50	495	
SM15E-556	\$10,140	55,600	58,400	8,900	77.00	38.50	40.50	505	
SM16E-574	\$10,650	57,400	60,400	8,400	77.00	38.50	40.50	530	
SM24E-759	\$14,520	75,900	79,700	19,380	134.25	38.50	40.50	836	
SM25E-842	\$15,600	84,200	88,400	18,500	134.25	38.50	40.50	874	
SM26E-869	\$16,670	86,900	91,500	17,600	134.25	38.50	40.50	912	
SM24E-989	\$17,250	98,900	103,800	18,400	134.25	38.50	40.50	860	
SM25E-1097	\$18,900	109,700	115,200	17,600	134.25	38.50	40.50	900	
SM26E-1132	\$19,750	113,200	119,200	16,800	134.25	38.50	40.50	920	
SM34E-1070	\$20,140	107,000	112,300	28,600	134.25	38.50	51.00	1,030	
SM35E-1186	\$20,550	118,600	124,500	27,300	134.25	38.50	51.00	1,050	
SM36E-1225	\$21,390	122,500	128,900	24,900	134.25	38.50	51.00	1,060	
SM34E-1393	\$25,010	139,300	146,300	27,400	134.25	38.50	51.00	1,195	
SM35E-1544	\$26,160	154,400	162,100	26,100	134.25	38.50	51.00	1,215	
SM36E-1594	\$27,300	159,400	167,800	25,800	134.25	38.50	51.00	1,240	
SM44E-1465	\$27,990	146,500	167,000	38,130	173.00	38.50	52.50	1,370	
SM45E-1523	\$29,270	152,300	173,600	36,400	173.00	38.50	52.50	1,340	
SM46E-1754	\$30,410	175,400	184,600	33,200	173.00	38.50	52.50	1,400	
SM44E-1769	\$34,260	176,900	201,800	36,530	173.00	38.50	52.50	1,469	
SM45E-1985	\$35,880	198,500	226,300	34,800	173.00	38.50	52.50	1,540	
SM46E-2307	\$37,680	230,700	242,800	32,530	173.00	38.50	52.50	1,600	

### LOW TEMPERATURE ONLY - BELOW +30°F

MODEL	LIST PRICE	CAPACITY (BTUH) @ 10°F			AIR FLOW (CFM)	DIMENSIONS (IN)			SHIP WGT. (LBS)
		TD				L	W	H	
		@-20° SST	@+20° SST						
SV14E-422	\$8,440	42,200	-	11250	77.00	38.50	40.50	440	
SV15E-468	\$9,450	46,800	-	11125	77.00	38.50	40.50	450	
SV16E-664	\$11,060	66,400	-	11000	77.00	38.50	40.50	530	
SV14E-550	\$10,120	55,000	-	11250	77.00	38.50	40.50	495	
SV15E-611	\$10,550	61,100	-	11125	77.00	38.50	40.50	505	
SV16E-684	\$11,060	68,400	-	11000	77.00	38.50	40.50	540	
SV24E-834	\$15,350	83,400	-	24225	134.25	38.50	40.50	836	
SV25E-926	\$16,420	92,600	-	23125	134.25	38.50	40.50	874	
SV26E-1005	\$17,500	100,500	-	22800	134.25	38.50	40.50	912	
SV24E-1088	\$18,020	108,800	-	23000	134.25	38.50	40.50	860	
SV25E-1206	\$19,730	120,600	-	22000	134.25	38.50	40.50	900	
SV26E-1311	\$21,140	131,100	-	21550	134.25	38.50	40.50	920	
SV34E-1177	\$21,390	117,700	-	35750	134.25	38.50	51.00	1,030	
SV35E-1304	\$21,790	130,400	-	34125	134.25	38.50	51.00	1,050	
SV36E-1418	\$22,620	141,800	-	33400	134.25	38.50	51.00	1,060	
SV34E-1530	\$26,260	153,000	-	34250	134.25	38.50	51.00	1,195	
SV35E-1698	\$27,390	169,800	-	32625	134.25	38.50	51.00	1,215	
SV36E-1843	\$28,540	184,300	-	32000	134.25	38.50	51.00	1,240	
SV44E-1699	\$29,650	169,900	-	47650	173.00	38.50	52.50	1,370	
SV45E-1883	\$30,930	188,300	-	45500	173.00	38.50	52.50	1,340	
SV46E-2047	\$32,070	204,700	-	44500	173.00	38.50	52.50	1,400	
SV44E-2052	\$35,920	205,200	-	45650	173.00	38.50	52.50	1,469	
SV45E-2274	\$37,530	227,400	-	43600	173.00	38.50	52.50	1,540	
SV46E-2472	\$39,320	247,200	-	42700	173.00	38.50	52.50	1,600	

**Insulated drain pan standard on EDL models  
4 fan SM/SV for low temp requires two TEVs**



**SM/SV GAS MODELS**

Hot Gas Defrost - Medium Profile

Low Temperature

MODEL	LIST PRICE BY DEFROST TYPE				CAPACITY (BTUH) @ 10° F			DIMENSIONS (IN)			SHIP WGT. (LBS)
					TD		AIR FLOW				
	(P)-KGE	(K)-KGG	(H)-HGE	(G)-HGG	@-20° SST	@+20° SST	(CFM)	L	W	H	
SM14(-)384	\$9,050	\$9,570	\$8,210	\$8,720	38,400	40,300	9,690	77.00	38.50	40.50	440
SM15(-)426	\$9,850	\$10,340	\$8,990	\$9,500	42,600	44,700	9,250	77.00	38.50	40.50	450
SM16(-)440	\$10,430	\$10,960	\$9,500	\$10,010	44,000	46,300	8,810	77.00	38.50	40.50	470
SM14(-)501	\$10,700	\$11,210	\$9,710	\$10,230	50,100	52,600	9,330	77.00	38.50	40.50	495
SM15(-)556	\$11,090	\$11,610	\$10,100	\$10,620	55,600	58,400	8,900	77.00	38.50	40.50	505
SM16(-)574	\$11,600	\$12,680	\$10,620	\$11,120	57,400	60,400	8,400	77.00	38.50	40.50	530
SM24(-)759	\$15,980	\$16,860	\$14,980	\$15,880	75,900	79,700	19,380	134.25	38.50	40.50	836
SM25(-)842	\$16,240	\$17,140	\$15,250	\$16,140	84,200	88,400	18,500	134.25	38.50	40.50	874
SM26(-)869	\$16,930	\$19,610	\$17,100	\$18,010	86,900	91,500	17,600	134.25	38.50	40.50	912
SM24(-)989	\$21,680	\$22,590	\$18,470	\$19,370	98,900	103,800	18,400	134.25	38.50	40.50	860
SM25(-)1097	\$22,680	\$23,570	\$19,460	\$20,350	109,700	115,200	17,600	134.25	38.50	40.50	900
SM26(-)1132	\$23,660	\$23,910	\$20,880	\$21,790	113,200	119,200	16,800	134.25	38.50	40.50	920
SM34(-)1070	\$24,410	\$25,320	\$21,200	\$22,100	107,000	112,300	28,600	134.25	38.50	51.00	1,030
SM35(-)1186	\$24,720	\$25,850	\$21,740	\$22,630	118,600	124,500	27,300	134.25	38.50	51.00	1,050
SM36(-)1225	\$25,660	\$26,380	\$22,680	\$23,580	122,500	128,900	24,900	134.25	38.50	51.00	1,060
SM34(-)1393	\$26,370	\$28,710	\$24,300	\$25,200	139,300	146,300	27,400	134.25	38.50	51.00	1,195
SM35(-)1544	\$28,600	\$29,480	\$25,100	\$26,080	154,400	162,100	26,100	134.25	38.50	51.00	1,215
SM36(-)1594	\$29,740	\$31,240	\$28,120	\$29,020	159,400	167,800	25,800	134.25	38.50	51.00	1,240
SM44(-)1465	\$35,040	\$37,460	\$29,860	\$31,280	146,500	167,000	38,130	173.00	38.50	52.50	1,370
SM45(-)1523	\$36,520	\$39,070	\$31,140	\$32,560	152,300	173,600	36,400	173.00	38.50	52.50	1,340
SM46(-)1754	\$37,840	\$40,500	\$32,280	\$33,690	175,400	184,600	33,200	173.00	38.50	52.50	1,400
SM44(-)1769	\$41,780	\$45,310	\$36,570	\$37,980	176,900	201,800	36,530	173.00	38.50	52.50	1,469
SM45(-)1985	\$44,310	\$47,440	\$38,170	\$39,600	198,500	226,300	34,800	173.00	38.50	52.50	1,540
SM46(-)2307	\$45,910	\$49,700	\$35,540	\$40,960	230,700	242,800	32,530	173.00	38.50	52.50	1,600

Available types of defrost

*(H)-HGE 3 Pipe Hot Gas with Electric Pan*

*(G)-HGG 3 Pipe Hot Gas with Hot Gas Pan*

*(P)-KGE 2 Pipe Kool gas with Electric Pan*

*(K)-KGG 2 Pipe Kool Gas with Kool Gas Pan*



## Unit Cooler Accessories

### Heat Exchangers:

Condensing Unit HP	List Price	Freezer Btu/Hr	Cooler Btu/Hr	Model Number	Connections (Inches)	
					Liquid	Suction
1	\$160	6,500	11,300	HX-2	3/8	5/8
1.5	\$170	7,500	20,000	HX-3	3/8	7/8
2	\$180	10,000	25,000	HX-4	3/8	1-1/8
3	\$240	15,000	30,000	HX-5	1/2	1-1/8
5	\$290	25,000	65,000	HX-6	5/8	1-3/8
7.5	\$320	32,500	76,000	HX-7	5/8	1-5/8
10	\$540	61,200	90,000	HX-8	7/8	2-1/8
15	\$810	73,000	157,000	HX-15	7/8	2-1/8
20	\$860	93,000	211,200	HX-20	1-1/8	2-1/8
25	\$1,000	118,000	243,600	HX-25	1-1/8	2-5/8
30	\$1,020	141,000	322,800	HX-30	1-3/8	2-5/8
50	\$1,060	240,000	420,000	HX-35	1-3/8	2-5/8
60	\$1,200	280,000	500,000	HX-40	1-3/8	3-1/8

### Expansion Valves:

R-22, R-404a, R-507 System Capacity	List Price	
	Loose	Mounted
2,000 - 18,000 BTUH	\$200	\$500
18,001 - 60,000 BTUH	\$230	\$500
60,001 - 200,000 BTUH	\$290	\$500
200,001 - 360,000 BTUH	\$470	\$500

### Solenoid Valves: \*

R-22, R-404a, R-507 System Capacity	List Price	
	Loose	Mounted
2,000 - 40,000 BTUH	\$240	\$660
40,001 - 200,000 BTUH	\$300	\$660
200,001 - 300,000 BTUH	\$420	\$660

\* Specify Voltage

### Control Options:

(Shipped Loose) Type	List Price
RT 1 (8 Ft Capillary)	\$210
RT 2 (2" Air-Coil)	\$210
RT 3 (Electronic)	\$210

### Additional Headers:

MS & SM Evaporators	List Price
Face Split Coil (Includes Additional Distributor)	\$590

KR, GL, GH, LH, MK, MS, SM	List Price
HEAT RECLAIM / GLYCOL CIRCUITING	\$250

### Miscellaneous Control Options:

	List Price
Adj. Defrost Termination (KR, MK, MV, MS)	\$410
Nema 4X Non-Fused	\$560
Disconnect Switch (Mntd) (MK, MV, MS, SV, SM)	
Allis valve	\$500
Air Sensor (CPC)- advise board pn	\$210



## Levitor/Fluid Cooler Model Key

	<b>L</b>	<b>A</b>	<b>V</b>	<b>A</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>M</b>	
<b>Unit Type</b>	L-Levitor Condenser F-Fluid Cooler										<b>Voltage</b>
<b>Tube Diameter</b>	A-3/8 E-1/2										A-230/1/60** K - 208/230/3/60 M - 460/3/60 P - 575/3/60 U - 380/3/50
<b>Fan Discharge Directions</b>	H-Horizontal V-Vertical X-Hinged Vertical*** E-Hinged Horizontal***										<b>Fin Spacing</b>
<b>Fan/Motor Combination</b>	A-850 rpm, 1hp, 30" B-1140 rpm, 0.5 hp, 24" C-850 rpm, 1.5 hp, 30" E-575 rpm, 0.5 hp, 30" F-1140 rpm, 1.5 hp, 30"										08-8 fpi 10-10 fpi 12-12 fpi
<b>Fans Wide</b>	1 2										<b>Rows Deep</b>
											2, 3, 4
											<b>Fans in Line</b>
											1, 2, 3, 4, 5, 6, 7*
											* 24" fan only ** B units only *** Levitor only



**LAVB--LEVITOR II AIR COOLED CONDENSER**

1/2H.P. 1140 RPM

MODEL	List Price	THR in MBH (000) @ 10°F TD R-22		DIMENSIONS (IN)			SHIP WGT. (LBS)
		AIR FLOW (CFM)		L	W	H	
<b>One Fan Wide 24"</b>							
11210	\$4,340	30.2	6,750	39.00	45.75	41.25	181
11310	\$4,620	39.4	6,400	39.00	45.75	41.25	185
11410	\$4,900	45.4	6,000	39.00	45.75	41.25	200
12210	\$6,060	60.5	13,500	75.00	45.75	41.25	352
12310	\$7,350	78.9	12,800	75.00	45.75	41.25	372
12410	\$8,280	90.9	12,000	75.00	45.75	41.25	400
13310	\$8,950	118.3	19,200	111.00	45.75	41.25	559
13410	\$11,250	136.3	18,000	111.00	45.75	41.25	600
14310	\$12,970	157.8	25,600	147.00	45.75	41.25	840
14410	\$13,260	181.7	24,000	147.00	45.75	41.25	900
15310	\$15,710	197.2	32,000	183.00	45.75	41.25	861
15410	\$17,580	227.1	30,000	183.00	45.75	41.25	950
16310	\$17,650	236.7	38,400	219.00	45.75	41.25	1,070
16410	\$20,460	272.6	36,000	219.00	45.75	41.25	1,150
17310	\$21,320	276.1	44,800	262.00	45.75	41.25	1,349
17410	\$25,080	318.0	42,000	262.00	45.75	41.25	1,450
<b>Two Fan Wide</b>							
22210	\$12,040	121.0	27,000	75.00	87.625	41.25	654
22310	\$14,630	157.8	25,600	75.00	87.625	41.25	865
22410	\$16,490	181.7	24,000	75.00	87.625	41.25	925
23310	\$17,780	236.7	38,400	111.00	87.625	41.25	1,118
23410	\$22,370	272.6	36,000	111.00	87.625	41.25	1,225
24310	\$25,810	315.6	51,200	147.00	87.625	41.25	1,705
24410	\$26,380	363.4	48,000	147.00	87.625	41.25	1,825
25310	\$31,250	394.5	64,000	183.00	87.625	41.25	1,722
25410	\$34,980	454.3	60,000	183.00	87.625	41.25	1,925
26310	\$35,120	473.3	76,800	219.00	87.625	41.25	2,095
26410	\$40,710	545.1	72,000	219.00	87.625	41.25	2,225
27310	\$42,420	552.2	89,600	255.00	87.625	41.25	2,725
27410	\$49,920	636.0	84,000	255.00	87.625	41.25	2,925

Coating and Special Fin Option Pricing

MODEL	Epoxy Electro-Fin or Heresite			MODEL	Epoxy Electro-Fin or Heresite		
	Copper Fin	Coating	Fin Polyester Coating		Copper Fin	Coating	Fin Polyester Coating
<b>One Fan Wide 24"</b>							
11210	\$1,660	\$1,310	\$660	-	-	-	-
11310	\$1,760	\$1,440	\$700	-	-	-	-
11410	\$1,870	\$1,580	\$740	-	-	-	-
12210	\$2,320	\$2,520	\$910	22210	\$4,590	\$4,500	\$1,820
12310	\$2,800	\$3,030	\$1,100	22310	\$5,580	\$5,790	\$2,210
12410	\$3,160	\$3,000	\$1,250	22410	\$6,290	\$6,350	\$2,490
13310	\$3,420	\$4,000	\$1,350	23310	\$6,780	\$8,380	\$2,680
13410	\$4,290	\$4,350	\$1,700	23410	\$8,530	\$9,190	\$3,370
14310	\$4,940	\$5,240	\$1,950	24310	\$9,840	\$10,970	\$3,870
14410	\$5,060	\$5,690	\$2,000	24410	\$10,050	\$12,030	\$3,970
15310	\$5,990	\$6,480	\$2,360	25310	\$11,910	\$13,560	\$4,700
15410	\$6,700	\$7,020	\$2,650	25410	\$13,330	\$14,900	\$5,260
16310	\$6,730	\$7,720	\$2,660	26310	\$13,380	\$16,180	\$5,280
16410	\$7,810	\$8,390	\$3,080	26410	\$15,510	\$17,760	\$6,110
17310	\$8,120	\$8,960	\$3,210	27310	\$16,170	\$18,750	\$6,370
17410	\$9,570	\$9,730	\$3,770	27410	\$19,020	\$20,610	\$7,500
<b>Two Fan Wide</b>							

**LAVA/LAVG/LAVE/LAVF -- LEVITOR II AIR COOLED CONDENSER**

**LEVITOR II -- AIR COOLED CONDENSER**

1 H.P. 850 RPM



1 H.P. 850 RPM

MODEL	List Price	THR in MBH	DIMENSIONS (IN)			SHIP WGT. (LBS)
			L	W	H	
<b>One Fan Wide 30"</b>						
LAVA 11208	\$5,780	42.4	58.00	45.25	54.00	437
LAVA 11210	\$5,840	47.5	58.00	45.25	54.00	439
LAVA 11212	\$5,910	51.7	58.00	45.25	54.00	444
LAVA 11308	\$6,250	56.0	58.00	45.25	54.00	466
LAVA 11310	\$6,330	61.2	58.00	45.25	54.00	469
LAVA 11312	\$6,390	65.3	58.00	45.25	54.00	478
LAVA 11408	\$6,470	65.3	58.00	45.25	54.00	495
LAVA 11410	\$6,540	69.7	58.00	45.25	54.00	499
LAVA 11412	\$6,620	72.3	58.00	45.25	54.00	508
LAVA 12208	\$8,220	85.0	112.00	45.25	54.00	718
LAVA 12210	\$8,370	95.1	112.00	45.25	54.00	721
LAVA 12212	\$8,510	103.4	112.00	45.25	54.00	729
LAVA 12308	\$8,800	111.8	112.00	45.25	54.00	773
LAVA 12310	\$8,980	122.4	112.00	45.25	54.00	779
LAVA 12312	\$9,330	130.3	112.00	45.25	54.00	792
LAVA 12408	\$10,980	130.5	112.00	45.25	54.00	830
LAVA 12410	\$11,450	139.4	112.00	45.25	54.00	838
LAVA 12412	\$11,900	144.6	112.00	45.25	54.00	855
LAVA 13210	\$12,540	142.6	166.00	45.25	54.00	1,041
LAVA 13212	\$12,830	155.1	166.00	45.25	54.00	1,060
LAVA 13308	\$13,110	176.6	166.00	45.25	54.00	1,126
LAVA 13310	\$13,400	183.6	166.00	45.25	54.00	1,135
LAVA 13312	\$13,860	195.4	166.00	45.25	54.00	1,153
LAVA 13408	\$15,610	195.8	166.00	45.25	54.00	1,210
LAVA 13410	\$16,240	209.1	166.00	45.25	54.00	1,223
LAVA 13412	\$16,890	217.0	166.00	45.25	54.00	1,247
LAVA 14308	\$17,580	223.6	220.00	45.25	54.00	1,437
LAVA 14310	\$17,730	244.9	220.00	45.25	54.00	1,449
LAVA 14312	\$18,440	260.6	220.00	45.25	54.00	1,474
LAVA 14408	\$20,820	261.1	220.00	45.25	54.00	1,550
LAVA 14410	\$21,350	278.8	220.00	45.25	54.00	1,566
LAVA 14412	\$22,470	289.2	220.00	45.25	54.00	1,599
LAVA 15308	\$24,970	279.5	274.00	45.25	58.50	2,020
LAVA 15310	\$25,340	306.1	274.00	45.25	58.50	2,035
LAVA 15312	\$25,690	325.7	274.00	45.25	58.50	2,066
LAVA 15408	\$26,040	326.4	274.00	45.25	58.50	2,160
LAVA 15410	\$27,130	348.5	274.00	45.25	58.50	2,181
LAVA 15412	\$28,230	361.5	274.00	45.25	58.50	2,222
LEVA 16308	\$29,280	335.3	328.00	45.25	58.50	2,554
LEVA 16310	\$29,730	367.3	328.00	45.25	58.50	2,573
LEVA 16312	\$30,160	390.9	328.00	45.25	58.50	2,610
LEVA 16408	\$30,590	391.6	328.00	45.25	58.50	2,784
LEVA 16410	\$31,030	418.2	328.00	45.25	58.50	2,808
LEVA 16412	\$31,450	433.8	328.00	45.25	58.50	2,858

MODEL	List Price	THR in MBH	DIMENSIONS (IN)			SHIP WGT. (LBS)
			L	W	H	
<b>Two Fans Wide 30"</b>						
LAVA 22208	\$16,350	169.8	112.00	90.50	54.00	1,311
LAVA 22210	\$16,630	190.2	112.00	90.50	54.00	1,320
LAVA 22212	\$16,930	206.8	112.00	90.50	54.00	1,336
LAVA 22308	\$17,490	223.6	112.00	90.50	54.00	1,437
LAVA 22310	\$17,860	244.9	112.00	90.50	54.00	1,425
LAVA 22312	\$18,560	260.6	112.00	90.50	54.00	1,462
LAVA 22408	\$21,840	261.1	112.00	90.50	54.00	1,539
LAVA 22410	\$22,760	278.8	112.00	90.50	54.00	1,555
LAVA 22412	\$23,660	289.2	112.00	90.50	54.00	1,588
LAVA 23210	\$24,940	285.3	166.00	90.50	54.00	1,875
LAVA 23212	\$25,520	310.3	166.00	90.50	54.00	1,912
LAVA 23308	\$26,080	335.3	166.00	90.50	54.00	2,044
LAVA 23310	\$26,640	367.3	166.00	90.50	54.00	2,063
LAVA 23312	\$27,570	390.9	166.00	90.50	54.00	2,100
LAVA 23408	\$31,500	391.6	166.00	90.50	54.00	2,214
LAVA 23410	\$32,320	418.2	166.00	90.50	54.00	2,238
LAVA 23412	\$33,610	433.8	166.00	90.50	54.00	2,287
LAVA 24308	\$34,980	447.1	220.00	90.50	54.00	2,526
LAVA 24310	\$35,290	489.7	220.00	90.50	54.00	2,651
LAVA 24312	\$36,670	521.1	220.00	90.50	54.00	2,700
LAVA 24408	\$41,410	522.2	220.00	90.50	54.00	2,851
LAVA 24410	\$42,450	557.6	220.00	90.50	54.00	2,884
LAVA 24412	\$44,700	578.4	220.00	90.50	54.00	2,950
LAVA 25308	\$49,680	558.9	274.00	90.50	58.50	3,725
LAVA 25310	\$50,400	612.2	274.00	90.50	58.50	3,755
LAVA 25312	\$51,110	651.4	274.00	90.50	58.50	3,817
LAVA 25408	\$51,810	652.7	274.00	90.50	58.50	4,005
LAVA 25410	\$53,970	697.1	274.00	90.50	58.50	4,046
LAVA 25412	\$56,160	723.0	274.00	90.50	58.50	4,129
LEVA 26308	\$58,290	670.7	328.00	90.50	58.50	4,759
LEVA 26310	\$59,140	734.6	328.00	90.50	58.50	4,796
LEVA 26312	\$60,000	781.6	328.00	90.50	58.50	4,870
LEVA 26408	\$60,870	783.3	328.00	90.50	58.50	5,218
LEVA 26410	\$61,720	836.5	328.00	90.50	58.50	5,268
LEVA 26412	\$62,580	867.6	328.00	90.50	58.50	5,366



**LAVG--LEVITOR II AIR COOLED CONDENSER**

1-3/4 H.P. 1050 RPM EC Motors

MODEL	List Price (includes EC motors)	THR in MBH (000) @ 10° FTD R-22	AIR FLOW	DIMENSIONS (IN)			SHIP WGT. (LBS)
			(CFM)	L	W	H	
<b>One Fan Wide 30"</b>							
LAVG 11208	\$9,400	47.5	11,649	58.00	45.25	54.00	437
LAVG 11210	\$9,460	53.4	11,541	58.00	45.25	54.00	439
LAVG 11212	\$9,530	58.3	11,430	58.00	45.25	54.00	444
LAVG 11308	\$9,870	63.8	11,323	58.00	45.25	54.00	466
LAVG 11310	\$9,950	70.3	11,147	58.00	45.25	54.00	469
LAVG 11312	\$10,020	75.5	10,969	58.00	45.25	54.00	478
LAVG 11408	\$10,090	76.0	10,974	58.00	45.25	54.00	495
LAVG 11410	\$10,160	82.3	10,730	58.00	45.25	54.00	499
LAVG 11412	\$10,240	86.7	10,486	58.00	45.25	54.00	508
LAVG 12208	\$15,470	95.1	23,298	112.00	45.25	54.00	718
LAVG 12210	\$15,610	106.8	23,082	112.00	45.25	54.00	721
LAVG 12212	\$15,750	116.5	22,860	112.00	45.25	54.00	729
LAVG 12308	\$16,040	127.6	22,646	112.00	45.25	54.00	773
LAVG 12310	\$16,220	140.7	22,294	112.00	45.25	54.00	779
LAVG 12312	\$16,580	150.9	21,938	112.00	45.25	54.00	792
LAVG 12408	\$18,230	152.1	21,948	112.00	45.25	54.00	830
LAVG 12410	\$18,690	164.5	21,460	112.00	45.25	54.00	838
LAVG 12412	\$19,140	173.3	20,972	112.00	45.25	54.00	855
LAVG 13210	\$23,400	160.3	34,623	166.00	45.25	54.00	1,041
LAVG 13212	\$23,700	174.8	34,290	166.00	45.25	54.00	1,060
LAVG 13308	\$23,980	191.4	33,969	166.00	45.25	54.00	1,126
LAVG 13310	\$24,270	211.1	33,441	166.00	45.25	54.00	1,135
LAVG 13312	\$24,730	226.3	32,907	166.00	45.25	54.00	1,153
LAVG 13408	\$26,480	228.1	32,922	166.00	45.25	54.00	1,210
LAVG 13410	\$27,110	246.7	32,190	166.00	45.25	54.00	1,223
LAVG 13412	\$27,760	259.9	31,458	166.00	45.25	54.00	1,247
LAVG 14308	\$32,070	255.3	45,292	220.00	45.25	54.00	1,437
LAVG 14310	\$32,220	281.4	44,588	220.00	45.25	54.00	1,449
LAVG 14312	\$32,930	301.7	43,876	220.00	45.25	54.00	1,474
LAVG 14408	\$35,310	304.1	43,896	220.00	45.25	54.00	1,550
LAVG 14410	\$35,840	329.0	42,920	220.00	45.25	54.00	1,566
LAVG 14412	\$36,960	346.5	41,944	220.00	45.25	54.00	1,599
LAVG 15308	\$43,080	319.1	56,615	274.00	45.25	58.50	2,020
LAVG 15310	\$43,450	351.8	55,735	274.00	45.25	58.50	2,035
LAVG 15312	\$43,810	377.2	54,845	274.00	45.25	58.50	2,066
LAVG 15408	\$44,150	380.1	54,870	274.00	45.25	58.50	2,160
LAVG 15410	\$45,240	411.3	53,650	274.00	45.25	58.50	2,181
LAVG 15412	\$46,350	433.2	52,430	274.00	45.25	58.50	2,222
LEVG 16308	\$51,020	382.9	67,938	328.00	45.25	58.50	2,554
LEVG 16310	\$51,460	422.1	66,882	328.00	45.25	58.50	2,573
LEVG 16312	\$51,890	452.6	65,814	328.00	45.25	58.50	2,610
LEVG 16408	\$52,320	456.2	65,844	328.00	45.25	58.50	2,784
LEVG 16410	\$52,760	493.5	64,380	328.00	45.25	58.50	2,808
LEVG 16412	\$53,180	519.8	62,916	328.00	45.25	58.50	2,858

**LEVITOR II AIR COOLED CONDENSER**

1-3/4 H.P. 1050 RPM EC Motors

MODEL	List Price (includes EC motors)	THR in MBH (000) @ 10°F TD R-22	AIR FLOW	DIMENSIONS (IN)			SHIP WGT. (LBS)
			(CFM)	L	W	H	
<b>Two Fans Wide 30"</b>							
LAVG 22208	\$30,840	190.2	46,556	112.00	90.50	54.00	1,311
LAVG 22210	\$31,120	213.7	45,824	112.00	90.50	54.00	1,320
LAVG 22212	\$31,420	233.1	45,096	112.00	90.50	54.00	1,336
LAVG 22308	\$31,980	255.3	44,412	112.00	90.50	54.00	1,437
LAVG 22310	\$32,350	281.4	43,364	112.00	90.50	54.00	1,425
LAVG 22312	\$33,050	301.7	42,344	112.00	90.50	54.00	1,462
LAVG 22408	\$36,330	304.1	42,376	112.00	90.50	54.00	1,539
LAVG 22410	\$37,250	329.0	41,056	112.00	90.50	54.00	1,555
LAVG 22412	\$38,150	346.5	39,808	112.00	90.50	54.00	1,588
LAVG 23210	\$46,670	320.5	68,736	166.00	90.50	54.00	1,875
LAVG 23212	\$47,250	349.6	67,644	166.00	90.50	54.00	1,912
LAVG 23308	\$47,820	382.9	66,618	166.00	90.50	54.00	2,044
LAVG 23310	\$48,370	442.1	65,046	166.00	90.50	54.00	2,063
LAVG 23312	\$49,310	452.6	63,516	166.00	90.50	54.00	2,100
LAVG 23408	\$53,240	456.2	63,564	166.00	90.50	54.00	2,214
LAVG 23410	\$54,050	493.5	61,584	166.00	90.50	54.00	2,238
LAVG 23412	\$55,350	519.8	59,712	166.00	90.50	54.00	2,287
LAVG 24308	\$63,960	510.5	88,824	220.00	90.50	54.00	2,526
LAVG 24310	\$64,270	562.9	86,728	220.00	90.50	54.00	2,651
LAVG 24312	\$65,650	603.5	84,688	220.00	90.50	54.00	2,700
LAVG 24408	\$70,390	608.3	84,752	220.00	90.50	54.00	2,851
LAVG 24410	\$71,430	658.0	82,112	220.00	90.50	54.00	2,884
LAVG 24412	\$73,680	693.1	79,616	220.00	90.50	54.00	2,950
LAVG 25308	\$85,900	638.1	111,030	274.00	90.50	58.50	3,725
LAVG 25310	\$86,630	703.5	108,410	274.00	90.50	58.50	3,755
LAVG 25312	\$87,340	754.4	105,860	274.00	90.50	58.50	3,817
LAVG 25408	\$88,030	760.3	105,940	274.00	90.50	58.50	4,005
LAVG 25410	\$90,200	822.5	102,640	274.00	90.50	58.50	4,046
LAVG 25412	\$92,390	866.3	99,520	274.00	90.50	58.50	4,129
LEVG 26308	\$101,760	765.7	133,236	328.00	90.50	58.50	4,759
LEVG 26310	\$102,610	884.3	130,092	328.00	90.50	58.50	4,796
LEVG 26312	\$103,470	905.3	127,032	328.00	90.50	58.50	4,870
LEVG 26408	\$104,340	912.4	127,128	328.00	90.50	58.50	5,218
LEVG 26410	\$105,190	986.9	123,168	328.00	90.50	58.50	5,268
LEVG 26412	\$106,050	1,039.6	119,424	328.00	90.50	58.50	5,366



**LEVITOR II CONTROL PANELS**

FAN CONFIGURATION	TF, PT, TP 311	TF, PT, TP 331	NC 411	NC 431	EC 461 (G Model only)
1 x 1	\$1,100		\$850		\$1,140
1 x 2	\$1,580		\$1,070		\$1,410
1 x 3	\$2,030		\$1,130		\$1,530
1 x 4	\$2,490		\$1,470		\$1,920
1 x 5	\$2,920		\$1,670		\$2,170
1 x 6	\$3,360		\$1,850		\$2,400
1 x 7	\$3,790		\$2,030		
2 x 2	\$2,390	\$1,700	\$1,900	\$1,200	\$2,350
2 x 3	\$3,190	\$2,150	\$2,450	\$1,410	\$3,000
2 x 4	\$3,980	\$2,590	\$2,980	\$1,610	\$3,640
2 x 5	\$4,750	\$3,050	\$3,480	\$1,800	\$4,240
2 x 6	\$5,490	\$3,480	\$3,990	\$1,970	\$4,860
2 x 7	\$6,250	\$3,900	\$4,500	\$2,150	

*Note: The heading of each column is the last 3 numbers in the Control Panel Nomenclature*

**Control Description:**

**Model 311**

Individual Fuses & Contactors, plus Fan Cycling

**Model 331**

Fuses & Contactors per Pair of Fans, plus Fan Cycle Controls

**Model 411**

No Fan Cycle Controls, Individual Fuses and Contactors

**Model 431**

No Fan Cycle Controls, Fuses and Contactors per Pair of Fans

**Model 461**

EC Motors, speed controlled by Pressure, fuses per motor

<b>Options</b>	<b>Add \$</b>
<b>Option Particular</b>	
50% Reduction (2x Only)	\$250
50/50 Split (2x Only)	Two 1 x Panel
Phase Loss Monitor	\$950
Circuit Breakers: Per Breaker	\$390
NEMA Contactor: Per Contactor	\$340
Mounted Non-Fused Disconnect	\$1,580
Mounted Fused Disconnect	\$1,760
PV, Variable Speed (1x Only)	\$1,330
PV, Variable Speed (2x Only)	\$2,250
Inverter Ready Motor (N/A on "B" or "E" units, or 575/3)	\$260
Control Circuit cutoff switch (115V)	\$280
(230V)	\$550
Drop Leg Pressure Transducer Tap	\$280
Danfoss BP5 Ambient Temp Sensor w/ enclosure	\$550
Rochester liquid level guage w/ alarm circuit	\$2,500
Hot Gas Header	\$1,440
Rupture Disc Assembly	\$3,740
<b>Relay Boards</b>	<b>Add \$</b>
Backup T-Stat	\$290
ALTECH	\$2,840
CONTROL RELAY BOARD	\$2,320
CPC-8RO RELAY BOARD	\$2,320
EIL RELAY BOARD	\$2,320
DANFOSS RELAY BOARD	\$2,320
MULTIFLEX 88 BOARD	\$2,760

**NOTE: For panels without fuses, consult factory. Contact factory for pricing of Electronic Controllers and Relay**



LEVITOR II OPTIONS

LEVITOR II AIR COOLED CONDENSERS

LEG OPTIONS \* Except LAVB

Table with columns: CONFIGURATIO N, 15" LEGS, 22" LEGS, 30" LEGS, 36" LEGS, 42" LEGS, 48" LEGS, 60" LEGS. Rows show various configurations and their prices.

LAVB comes w/18" legs only

Condenser with Factory Installed Receiver:

Includes flooding valve, isolation ball valves, liquid level indicator & relief valve

Table with columns: MODEL/CONDENSER SIZE, Size, RECEIVER LIST ADD, RECEIVER SIZE, HEATED AND INSULATE D RECEIVER LIST ADD. Rows include LAVB, LAVB 1 RECEIVER, LAVB 2 RECEIVERS, L\_V(), L\_V() 1 RECEIVER, L\_V() 2 RECEIVERS.

Table with columns: FAN CONFIGURATION, HINGED FAN PANEL, GRAVITY DAMPERS. Rows show fan configurations and their prices.

\* Not available on "G" EC motors

Levitor Painted Housing Option

Table with columns: FAN CONFIGURATION, Painted Housing List Add. Rows show fan configurations and their prices.

Levitor II Coating & Special Fin Option Pricing for all Models (EXCEPT B)

Table with columns: Model, Single Wide Units (Epoxy Electro-Fin & Herisite Coating Adder, Polyester Fin Coating Adder, Copper Fin Adder), Double Wide Units (Epoxy Electro-Fin Coating Adder, Polyester Fin Coating Adder, Copper Fin Adder). Rows list models and their respective coating prices.



## Microchannel Model Key

<b>Unit Type</b> MX=Microchannel Condenser	<b>A</b>	<b>- 06</b>	<b>M</b>	<b>Voltage</b> K - 208/230/3/60 M - 460/3/60 P - 575/3/60 ( 575 N/A w/ G Model)
<b>Fan/Motor Combination</b> A-850 rpm, 1hp, 30" C-850 rpm, 1.5 hp, 30" E-575 rpm, 0.5 hp, 30" F-1140 rpm, 1.5 hp, 30" G=1-3/4 HP 1050 RPM EC				
<b>Number of Fans</b>	02	10		
	04	12		
	06	14		
	08			



**MX--MICRO CHANNEL AIR COOLED CONDENSER**

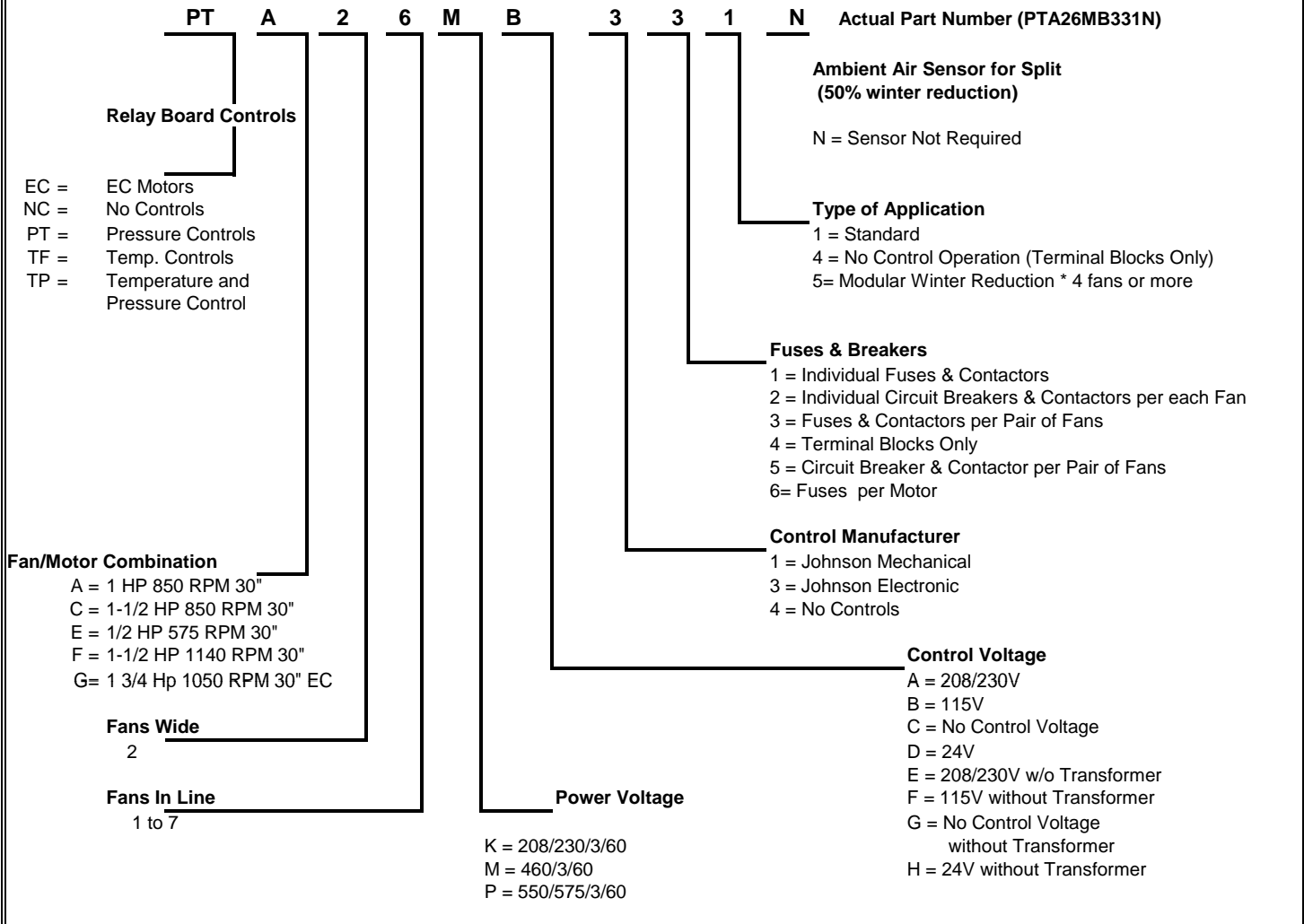
MODEL	List Price	AIR FLOW		DIMENSIONS (IN)			SHIP WGT. (LBS)	REFRIGERANT CHARGE	
		THR in MBH (000) @ 10°F TD R-404A	(CFM)	L	W	H*		SUMMER R-404A (LBS)	WINTER R-404A (LBS) - 20 F*
<b><u>1/2 HP, 575 RPM*</u></b>									
MXE-02	\$13,320	98.8	12,600	44.00	90.25	42.00	560	4	12
MXE-04	\$24,260	197.5	25,200	88.00	90.25	42.00	1,170	15	26
MXE-06	\$37,360	296.3	37,800	132.00	90.25	42.00	1,705	23	40
MXE-08	\$47,900	395.0	50,400	176.00	90.25	42.00	2,280	40	55
MXE-10	\$61,070	493.8	63,000	220.00	90.25	42.00	2,850	52	70
MXE-12	\$76,710	592.5	75,600	264.00	90.25	42.00	3,385	80	88
MXE-14	\$92,360	691.3	88,200	308.00	90.25	42.00	3,920	108	106
<b><u>1 HP, 850 RPM</u></b>									
MXA-02	\$13,320	145.2	20,800	44.00	90.25	42.00	560	4	12
MXA-04	\$24,260	290.3	41,600	88.00	90.25	42.00	1,170	15	26
MXA-06	\$37,360	435.5	62,400	132.00	90.25	42.00	1,705	23	40
MXA-08	\$47,900	580.7	83,200	176.00	90.25	42.00	2,280	40	55
MXA-10	\$61,070	725.8	104,000	220.00	90.25	42.00	2,850	52	70
MXA-12	\$76,710	871.0	124,800	264.00	90.25	42.00	3,385	80	88
MXA-14	\$92,360	1,016.2	145,600	308.00	90.25	42.00	3,920	108	106
<b><u>1 1/2 HP, 850 RPM</u></b>									
MXC-02	\$13,320	151.8	22,830	44.00	90.25	42.00	560	4	12
MXC-04	\$24,260	303.5	45,660	88.00	90.25	42.00	1,170	15	26
MXC-06	\$37,360	455.3	68,490	132.00	90.25	42.00	1,705	23	40
MXC-08	\$47,900	607.1	91,320	176.00	90.25	42.00	2,280	40	55
MXC-10	\$61,070	758.8	114,150	220.00	90.25	42.00	2,850	52	70
MXC-12	\$76,710	910.6	136,980	264.00	90.25	42.00	3,385	80	88
MXC-14	\$92,360	1,062.4	159,010	308.00	90.25	42.00	3,920	108	106
<b><u>1 1/2 HP, 1140 RPM</u></b>									
MXF-02	\$13,320	154.5	25,600	44.00	90.25	42.00	560	4	12
MXF-04	\$24,260	308.9	51,200	88.00	90.25	42.00	1,170	15	26
MXF-06	\$37,360	463.4	76,800	132.00	90.25	42.00	1,705	23	40
MXF-08	\$47,900	617.8	102,400	176.00	90.25	42.00	2,280	40	55
MXF-10	\$61,070	772.3	128,000	220.00	90.25	42.00	2,850	52	70
MXF-12	\$76,710	926.7	153,600	264.00	90.25	42.00	3,385	80	88
MXF-14	\$92,360	1,081.2	179,200	308.00	90.25	42.00	3,920	108	106
<b><u>1 1/2 HP, 1050 RPM EC*</u></b>									
MXG-02	\$20,560	154.5	25,600	44.00	90.25	42.00	560	4	12
MXG-04	\$38,750	308.9	51,200	88.00	90.25	42.00	1,170	15	26
MXG-06	\$59,090	463.4	76,800	132.00	90.25	42.00	1,705	23	40
MXG-08	\$76,880	617.8	102,400	176.00	90.25	42.00	2,280	40	55
MXG-10	\$97,290	772.3	128,000	220.00	90.25	42.00	2,850	52	70
MXG-12	\$120,180	926.7	153,600	264.00	90.25	42.00	3,385	80	88
MXG-14	\$143,070	1,081.2	179,200	308.00	90.25	42.00	3,920	108	106

**\*Note:**

**Inverter ready motors not available on 575 rpm or EC motors**  
**Add 22" to height when ship loose legs are required**  
**Winter Flooding charge doesn't reflect module isolation valves**  
**Mounted receivers add 18" to height**



# MICRO CHANNEL CONTROL PANEL NOMENCLATURE





**MX--MICRO CHANNEL CONTROL PANELS**

Model #	TF, PT, TP 311	TF, PT, TP 331	NC 411	NC 431	TF,PT,TP 315	TF,PT,TP 335	NC 415	NC 435	EC 465 (G Model only)	EC 461 (G Model only)	NC 445
02	\$1,580		\$1,070							\$2,350	
04	\$2,390	\$1,700	\$1,900	\$1,200	\$3,390	\$2,700	\$2,900	\$2,190	\$4,000	\$3,000	\$1,000
06	\$3,190	\$2,150	\$2,450	\$1,410	\$4,740	\$3,710	\$3,440	\$2,960	\$5,190	\$3,640	\$1,550
08	\$3,980	\$2,590	\$2,980	\$1,610	\$6,090	\$4,700	\$3,980	\$3,710	\$6,340	\$4,240	\$2,110
10	\$4,750	\$3,050	\$3,480	\$1,800	\$7,400	\$5,700	\$4,470	\$4,450	\$7,510	\$4,860	\$2,660
12	\$5,490	\$3,480	\$3,990	\$1,970	\$8,700	\$6,690	\$4,990	\$5,180	\$8,690	\$5,480	\$3,210
14	\$6,240	\$3,910	\$4,500	\$2,150	\$10,000	\$7,670	\$5,500	\$5,920	\$9,860	\$6,100	\$3,760

NOTE: The heading of each column is the last 3 numbers in the Control Panel Nomenclature

**Control Description**

**Options**

**Model 311**

Individual Fuses & Contactors, plus Fan Cycling

Option Particular	Add
Phase Loss Monitor	\$950
Circuit Breakers: Per Breaker	\$390
NEMA Contactor: Per Contactor	\$340
Mounted Non-Fused Disconnect	\$1,580
Inverter Ready Motor (MXA, MXC, MXF Model)	std

**Model 331**

Fuses & Contactors per Pair of Fans, plus Fan Cycle Controls

**Model 411**

No Fan Cycle Controls, Individual Fuses and Contactors

Relay Boards	Add
Backup T-Stat	\$290
ALTECH	\$2,840
CONTROL RELAY BOARD	\$2,320
CPC-8RO RELAY BOARD	\$2,320
EIL RELAY BOARD	\$2,320
DANFOSS RELAY BOARD	\$2,320
MULTIFLEX 88 BOARD	\$2,760

**Model 431**

No Fan Cycle Controls, Fuses and Contactors per Pair of Fans

**Model 315**

Individual Fuses & Contactors, plus Fan Cycling  
Winter Isolation Valves

NOTE: For panels without fuses, consult factory.  
Contact factory for pricing of Electronic Controllers and Relay Boards

**Model 335**

Fuses & Contactors per Pair of Fans, plus Fan Cycle Controls  
Winter Isolation Valves

**Model 415**

Individual Fuses & Contactors  
Winter Isolation Valves

**Model 435**

Fuses & Contactors per Pair of Fans,  
Winter Isolation Valves

**Model 465**

Individual Fuses, plus  
Winter Isolation Valves

**Model 461**

EC Motors, speed cc EC Motors, speed EC Motors, speed controlled by Pressure, fuses per i Pressure, fuses p Pressure, fuses per motor

Prices and Specifications Subject to Change Without Notice.

**Model 444 (std.)**

Motors wired to terminal blocks

**Model 445**

Motors wired to terminal blocks plus winter isolation valves



**MX--MICRO CHANNEL OPTIONS**

**MICRO CHANNEL AIR COOLED CONDENSERS**

**CONDENSER WITH FACTORY INSTALLED RECEIVER**  
**(INCLUDES FLOODING VALVE, ISOLATION BALL VALVES, LIQUID LEVEL INDICATOR AND RELIEF VALVE)**

<b>MODEL/CONDENSER SIZE</b>	<b>Size</b>	<b>RECEIVER LIST ADD</b>	<b>RECEIVER SIZE</b>	<b>HEATED AND INSULTATED RECEIVER LIST ADD</b>
<b>MX</b> 1 RECEIVER	2x2	\$11,970	(1) 10.750" x 60"	\$1,880
	2x3	\$13,470	(1) 12.750" x 72"	\$2,030
	2x4	\$14,960	(1) 12.750" x 72"	\$2,030
	2x5	\$16,560	(1) 12.750" x 72"	\$2,180
	2x6	\$18,050	(1) 12.750" x 72"	\$2,340
<b>MX</b> 2 RECEIVERS	2x3	\$17,130	(2) 10.750" x 60"	\$3,430
	2x4	\$20,240	(2) 10.750" x 60"	\$3,750
	2x5	\$23,350	(2) 12.750" x 72"	\$4,050
	2x6	\$26,470	(2) 12.750" x 72"	\$4,370

**Additional Options:**

**Coil Filter** \$1,680 per module  
**Electro-fin Coil** \$2,940 per module



## FAVB--FLUID COOLERS

MODEL	List Price	AIR FLOW	Internal	DIMENSIONS (IN)			SHIP	Epoxy	
		(CFM)	Volume (Gal)	L	W	H	WGT. (LBS)	Electro-Fin or Heresite Coating	Polyester Coating
<b>One Fan Wide 24"</b>									
11210	\$4,340	6,750	1.4	39.00	45.75	41.25	181	\$1,310	\$660
11310	\$4,620	6,400	1.9	39.00	45.75	41.25	185	\$1,440	\$700
11410	\$4,900	6,000	2.5	39.00	45.75	41.25	200	\$1,580	\$760
12210	\$6,060	13,500	2.4	75.00	45.75	41.25	352	\$2,520	\$910
12310	\$7,350	12,800	3.4	75.00	45.75	41.25	372	\$3,030	\$1,100
12410	\$8,280	12,000	4.4	75.00	45.75	41.25	400	\$3,000	\$1,250
13310	\$8,950	19,200	5.2	111.00	45.75	41.25	559	\$4,000	\$1,350
13410	\$11,250	18,000	6.4	111.00	45.75	41.25	600	\$4,350	\$1,700
14310	\$12,970	25,600	6.6	147.00	45.75	41.25	840	\$5,240	\$1,950
14410	\$13,260	24,000	8.2	147.00	45.75	41.25	900	\$5,690	\$2,000
15310	\$15,710	32,000	8.5	183.00	45.75	41.25	861	\$6,480	\$2,360
15410	\$17,580	30,000	10.1	183.00	45.75	41.25	950	\$7,020	\$2,650
16310	\$17,650	38,400	11.0	219.00	45.75	41.25	1,070	\$7,720	\$2,660
16410	\$20,460	36,000	12.0	219.00	45.75	41.25	1,150	\$8,390	\$3,080
17310	\$21,320	44,800	13.0	262.00	45.75	41.25	1,349	\$8,960	\$3,210
17410	\$25,080	42,000	13.9	262.00	45.75	41.25	1,450	\$9,730	\$3,770
<b>Two Fan Wide</b>									
22210	\$12,040	27,000	4.8	75.00	87.63	41.25	654	\$4,780	\$1,820
22310	\$14,630	25,600	6.8	75.00	87.63	41.25	865	\$5,790	\$2,190
22410	\$16,490	24,000	8.5	75.00	87.63	41.25	925	\$6,350	\$2,480
23310	\$17,780	38,400	10.4	111.00	87.63	41.25	1,118	\$8,380	\$2,680
23410	\$22,370	36,000	12.3	111.00	87.63	41.25	1,225	\$9,190	\$3,370
24310	\$25,810	51,200	13.2	147.00	87.63	41.25	1,705	\$10,970	\$3,870
24410	\$26,380	48,000	16.1	147.00	87.63	41.25	1,825	\$12,030	\$3,970
25310	\$31,250	64,000	17.0	183.00	87.63	41.25	1,722	\$13,560	\$4,690
25410	\$34,980	60,000	19.9	183.00	87.63	41.25	1,925	\$14,900	\$5,260
26310	\$35,120	76,800	22.0	219.00	87.63	41.25	2,095	\$16,180	\$5,280
26410	\$40,710	72,000	23.8	219.00	87.63	41.25	2,225	\$17,760	\$6,110
27310	\$42,420	89,600	26.0	255.00	87.63	41.25	2,725	\$18,750	\$6,370
27410	\$49,920	84,000	27.5	255.00	87.63	41.25	2,925	\$20,610	\$7,500

**Note:**  
*Prices for Horizontal and Vertical air flow are the same*



**FEVE,FEVA,FEVF,FEVC--FLUID COOLERS**

MODEL	List Price	Internal Volume (Gal)	DIMENSIONS (IN)			SHIP WGT. (LBS)	Epoxy Electro-Fin or Heresite Coating	Polyester Coating
			L	W	H			
<b>One Fan Wide 30"</b>								
11208	\$5,880	3.5	58.00	45.25	54.00	447	\$2,460	\$870
11210	\$5,950	3.6	58.00	45.25	54.00	449	\$2,460	\$880
11212	\$6,030	3.7	58.00	45.25	54.00	454	\$2,460	\$890
11308	\$6,370	5.0	58.00	45.25	54.00	481	\$2,960	\$960
11310	\$6,440	5.2	58.00	45.25	54.00	484	\$2,960	\$970
11312	\$6,520	5.3	58.00	45.25	54.00	493	\$2,960	\$980
11408	\$6,580	6.5	58.00	45.25	54.00	515	\$3,270	\$990
11410	\$6,660	6.7	58.00	45.25	54.00	519	\$3,270	\$1,000
11412	\$6,740	6.9	58.00	45.25	54.00	528	\$3,270	\$1,010
12208	\$8,380	6.4	112.00	45.25	54.00	738	\$4,470	\$1,240
12210	\$8,520	6.5	112.00	45.25	54.00	741	\$4,470	\$1,260
12212	\$8,660	6.6	112.00	45.25	54.00	749	\$4,470	\$1,280
12308	\$8,960	9.5	112.00	45.25	54.00	803	\$5,410	\$1,330
12310	\$9,150	9.6	112.00	45.25	54.00	809	\$5,410	\$1,350
12312	\$9,500	9.7	112.00	45.25	54.00	822	\$5,410	\$1,410
12408	\$11,190	16.4	112.00	45.25	54.00	870	\$5,930	\$1,650
12410	\$11,660	16.5	112.00	45.25	54.00	878	\$5,930	\$1,730
12412	\$12,120	16.6	112.00	45.25	54.00	895	\$5,930	\$1,800
13208	\$12,630	9.4	166.00	45.25	54.00	1,050	\$6,470	\$1,870
13210	\$12,770	9.5	166.00	45.25	54.00	1,071	\$6,470	\$1,890
13212	\$13,060	9.6	166.00	45.25	54.00	1,090	\$6,470	\$1,930
13308	\$13,360	13.7	166.00	45.25	54.00	1,156	\$7,820	\$1,970
13310	\$13,640	13.9	166.00	45.25	54.00	1,180	\$7,820	\$2,020
13312	\$14,120	14.1	166.00	45.25	54.00	1,198	\$7,820	\$2,090
13408	\$15,900	18.3	166.00	45.25	54.00	1,255	\$8,610	\$2,350
13410	\$16,550	18.5	166.00	45.25	54.00	1,283	\$8,610	\$2,450
13412	\$17,200	18.7	166.00	45.25	54.00	1,307	\$8,610	\$2,540
14308	\$17,900	18.2	220.00	45.25	54.00	1,497	\$10,250	\$2,650
14310	\$18,070	18.4	220.00	45.25	54.00	1,509	\$10,250	\$2,670
14312	\$18,770	18.6	220.00	45.25	54.00	1,534	\$10,250	\$2,770
14408	\$21,200	24.0	220.00	45.25	54.00	1,610	\$11,270	\$3,130
14410	\$21,740	24.3	220.00	45.25	54.00	1,643	\$11,270	\$3,210
14412	\$22,890	24.6	220.00	45.25	54.00	1,676	\$11,270	\$3,380
15308	\$25,440	22.5	274.00	45.25	58.50	2,097	\$12,680	\$3,760
15310	\$25,810	22.7	274.00	45.25	58.50	2,106	\$12,680	\$3,810
15312	\$26,180	22.9	274.00	45.25	58.50	2,137	\$12,680	\$3,860
15408	\$26,510	30.2	274.00	45.25	58.50	2,231	\$13,940	\$3,920
15410	\$27,630	30.3	274.00	45.25	58.50	2,276	\$13,940	\$4,070
15412	\$28,750	30.5	274.00	45.25	58.50	2,317	\$13,940	\$4,240
16308	\$29,280	27.0	328.00	45.25	58.50	2,649	\$15,100	\$4,400
16310	\$29,730	27.2	328.00	45.25	58.50	2,573	\$15,100	\$4,470
16312	\$30,160	27.4	328.00	45.25	58.50	2,610	\$15,100	\$4,540
16408	\$30,590	35.7	328.00	45.25	58.50	2,784	\$16,600	\$4,600
16410	\$31,030	36.0	328.00	45.25	58.50	2,808	\$16,600	\$4,670
16412	\$31,450	36.4	328.00	45.25	58.50	2,858	\$16,600	\$4,730

MODEL	List Price	Internal Volume (Gal)	DIMENSIONS (IN)			SHIP WGT. (LBS)	Epoxy Electro-Fin or Heresite Coating	Polyester Coating
			L	W	H			
<b>Two Fans Wide 30"</b>								
22208	\$16,640	12.4	112.00	90.50	54.00	1,351	\$8,930	\$2,470
22210	\$16,940	12.6	112.00	90.50	54.00	1,360	\$8,930	\$2,510
22212	\$17,230	12.8	112.00	90.50	54.00	1,376	\$8,930	\$2,540
22308	\$17,810	18.7	112.00	90.50	54.00	1,497	\$10,790	\$2,640
22310	\$18,200	18.9	112.00	90.50	54.00	1,485	\$10,790	\$2,690
22312	\$18,890	19.1	112.00	90.50	54.00	1,522	\$10,790	\$2,800
22408	\$22,250	24.8	112.00	90.50	54.00	1,619	\$11,850	\$3,290
22410	\$23,170	25.0	112.00	90.50	54.00	1,635	\$11,850	\$3,420
22412	\$24,090	25.3	112.00	90.50	54.00	1,668	\$11,850	\$3,560
23208	\$25,250	18.3	166.00	90.50	54.00	1,920	\$12,930	\$3,790
23210	\$25,400	18.5	166.00	90.50	54.00	1,935	\$12,930	\$3,750
23212	\$25,990	18.7	166.00	90.50	54.00	1,972	\$12,930	\$3,830
23308	\$26,580	27.4	166.00	90.50	54.00	2,134	\$15,630	\$3,930
23310	\$27,130	27.7	166.00	90.50	54.00	2,153	\$15,630	\$4,000
23312	\$28,090	27.9	166.00	90.50	54.00	2,190	\$15,630	\$4,150
23408	\$32,090	36.7	166.00	90.50	54.00	2,331	\$17,200	\$4,740
23410	\$32,910	36.9	166.00	90.50	54.00	2,355	\$17,200	\$4,860
23412	\$34,230	37.1	166.00	90.50	54.00	2,404	\$17,200	\$5,050
24308	\$35,620	36.3	220.00	90.50	54.00	2,641	\$20,490	\$5,260
24310	\$35,940	36.5	220.00	90.50	54.00	2,766	\$20,490	\$5,300
24312	\$37,350	36.7	220.00	90.50	54.00	2,815	\$20,490	\$5,510
24408	\$42,180	48.4	220.00	90.50	54.00	3,004	\$22,530	\$6,220
24410	\$43,240	48.6	220.00	90.50	54.00	3,037	\$22,530	\$6,380
24412	\$45,540	48.8	220.00	90.50	54.00	3,103	\$22,530	\$6,720
25308	\$50,600	45.2	274.00	90.50	58.50	3,868	\$25,350	\$7,470
25310	\$51,330	45.4	274.00	90.50	58.50	3,898	\$25,350	\$7,570
25312	\$52,060	45.6	274.00	90.50	58.50	3,960	\$25,350	\$7,680
25408	\$52,770	60.3	274.00	90.50	58.50	4,195	\$27,880	\$7,780
25410	\$54,980	60.5	274.00	90.50	58.50	4,236	\$27,880	\$8,110
25412	\$57,210	60.7	274.00	90.50	58.50	4,319	\$27,880	\$8,430
26308	\$58,290	54.2	328.00	90.50	58.50	4,759	\$30,190	\$8,760
26310	\$59,140	54.4	328.00	90.50	58.50	4,796	\$30,190	\$8,870
26312	\$60,000	54.6	328.00	90.50	58.50	4,870	\$30,190	\$9,010
26408	\$60,870	72.1	328.00	90.50	58.50	5,218	\$33,190	\$9,150
26410	\$61,720	72.3	328.00	90.50	58.50	5,268	\$33,190	\$9,260
26412	\$62,580	72.5	328.00	90.50	58.50	5,366	\$33,190	\$9,400



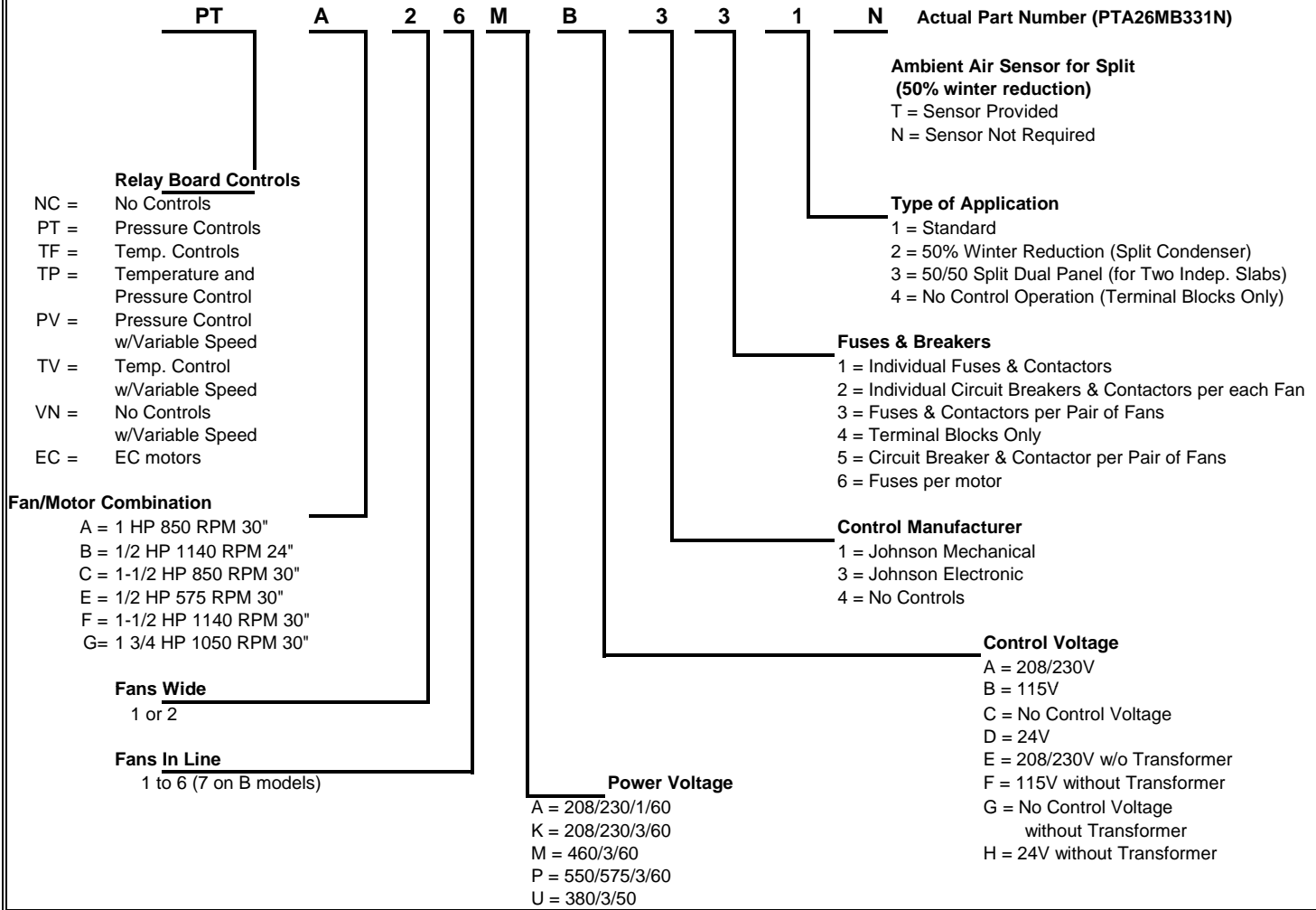
FEVG--FLUID COOLERS

MODEL	List Price	AIR FLOW	Internal Volume (Gal)	DIMENSIONS (IN)			SHIP WGT. (LBS)	Epoxy Electro-Fin or Heresite Coating	
		(CFM)		L	W	H		Polyester Coating	
<b>One Fan Wide 30"</b>									
11208	\$9,500	7,212	3.5	58.00	45.25	54.00	447	\$2,460	\$870
11210	\$9,580	7,145	3.6	58.00	45.25	54.00	449	\$2,460	\$880
11212	\$9,650	7,078	3.7	58.00	45.25	54.00	454	\$2,460	\$890
11308	\$10,000	7,011	5.0	58.00	45.25	54.00	481	\$2,960	\$960
11310	\$10,060	6,900	5.2	58.00	45.25	54.00	484	\$2,960	\$970
11312	\$10,140	6,789	5.3	58.00	45.25	54.00	493	\$2,960	\$980
11408	\$10,210	6,794	6.5	58.00	45.25	54.00	515	\$3,270	\$990
11410	\$10,280	6,650	6.7	58.00	45.25	54.00	519	\$3,270	\$1,000
11412	\$10,360	6,494	6.9	58.00	45.25	54.00	528	\$3,270	\$1,010
12208	\$15,620	14,424	6.4	112.00	45.25	54.00	738	\$4,470	\$1,240
12210	\$15,760	14,290	6.5	112.00	45.25	54.00	741	\$4,470	\$1,260
12212	\$15,910	14,157	6.6	112.00	45.25	54.00	749	\$4,470	\$1,280
12308	\$16,200	14,023	9.5	112.00	45.25	54.00	803	\$5,410	\$1,330
12310	\$16,390	13,801	9.6	112.00	45.25	54.00	809	\$5,410	\$1,350
12312	\$16,750	13,578	9.7	112.00	45.25	54.00	822	\$5,410	\$1,410
12408	\$18,440	13,589	16.4	112.00	45.25	54.00	870	\$5,930	\$1,650
12410	\$18,900	13,300	16.5	112.00	45.25	54.00	878	\$5,930	\$1,730
12412	\$19,360	12,988	16.6	112.00	45.25	54.00	895	\$5,930	\$1,800
13208	\$23,500	21,636	9.4	166.00	45.25	54.00	1,050	\$6,470	\$1,870
13210	\$23,640	21,436	9.5	166.00	45.25	54.00	1,071	\$6,470	\$1,890
13212	\$23,930	21,236	9.6	166.00	45.25	54.00	1,090	\$6,470	\$1,930
13308	\$24,220	21,035	13.7	166.00	45.25	54.00	1,156	\$7,820	\$1,970
13310	\$24,510	20,701	13.9	166.00	45.25	54.00	1,180	\$7,820	\$2,020
13312	\$24,990	20,367	14.1	166.00	45.25	54.00	1,198	\$7,820	\$2,090
13408	\$26,760	20,384	18.3	166.00	45.25	54.00	1,255	\$8,610	\$2,350
13410	\$27,420	19,950	18.5	166.00	45.25	54.00	1,283	\$8,610	\$2,450
13412	\$28,070	19,483	18.7	166.00	45.25	54.00	1,307	\$8,610	\$2,540
14308	\$32,390	28,047	18.2	220.00	45.25	54.00	1,497	\$10,250	\$2,650
14310	\$32,560	27,602	18.4	220.00	45.25	54.00	1,509	\$10,250	\$2,670
14312	\$33,260	27,157	18.6	220.00	45.25	54.00	1,534	\$10,250	\$2,770
14408	\$35,690	27,179	24.0	220.00	45.25	54.00	1,610	\$11,270	\$3,130
14410	\$36,230	26,600	24.3	220.00	45.25	54.00	1,643	\$11,270	\$3,210
14412	\$37,380	25,977	24.6	220.00	45.25	54.00	1,676	\$11,270	\$3,380
15308	\$43,550	35,059	22.5	274.00	45.25	58.50	2,097	\$12,680	\$3,760
15310	\$43,920	34,503	22.7	274.00	45.25	58.50	2,106	\$12,680	\$3,810
15312	\$44,290	33,946	22.9	274.00	45.25	58.50	2,137	\$12,680	\$3,860
15408	\$44,630	33,974	30.2	274.00	45.25	58.50	2,231	\$13,940	\$3,920
15410	\$45,740	33,250	30.3	274.00	45.25	58.50	2,276	\$13,940	\$4,070
15412	\$46,860	32,471	30.5	274.00	45.25	58.50	2,317	\$13,940	\$4,240
16308	\$51,020	42,071	27.0	328.00	45.25	58.50	2,649	\$15,100	\$4,400
16310	\$51,460	41,403	27.2	328.00	45.25	58.50	2,573	\$15,100	\$4,470
16312	\$51,890	40,735	27.4	328.00	45.25	58.50	2,610	\$15,100	\$4,540
16408	\$52,320	40,769	35.7	328.00	45.25	58.50	2,784	\$16,600	\$4,600
16410	\$52,760	39,901	36.0	328.00	45.25	58.50	2,808	\$16,600	\$4,670
16412	\$53,180	38,966	36.4	328.00	45.25	58.50	2,858	\$16,600	\$4,730

MODEL	List Price	AIR FLOW	Internal Volume (Gal)	DIMENSIONS (IN)			SHIP WGT. (LBS)	Epoxy Electro-Fin or Heresite Coating	
		(CFM)		L	W	H		Polyester Coating	
<b>Two Fans Wide 30"</b>									
22208	\$31,130	30,157	12.4	112.00	90.50	54.00	1,351	\$8,930	\$2,470
22210	\$31,430	29,878	12.6	112.00	90.50	54.00	1,360	\$8,930	\$2,510
22212	\$31,720	29,599	12.8	112.00	90.50	54.00	1,376	\$8,930	\$2,540
22308	\$32,300	29,320	18.7	112.00	90.50	54.00	1,497	\$10,790	\$2,640
22310	\$32,690	28,854	18.9	112.00	90.50	54.00	1,485	\$10,790	\$2,690
22312	\$33,380	28,389	19.1	112.00	90.50	54.00	1,522	\$10,790	\$2,800
22408	\$36,740	28,412	24.8	112.00	90.50	54.00	1,619	\$11,850	\$3,290
22410	\$37,660	32,461	25.0	112.00	90.50	54.00	1,635	\$11,850	\$3,420
22412	\$38,580	27,156	25.3	112.00	90.50	54.00	1,668	\$11,850	\$3,560
23208	\$46,990	43,272	18.3	166.00	90.50	54.00	1,920	\$12,930	\$3,790
23210	\$47,130	44,818	18.5	166.00	90.50	54.00	1,935	\$12,930	\$3,750
23212	\$47,720	44,399	18.7	166.00	90.50	54.00	1,972	\$12,930	\$3,830
23308	\$48,310	43,980	27.4	166.00	90.50	54.00	2,134	\$15,630	\$3,930
23310	\$48,870	43,282	27.7	166.00	90.50	54.00	2,153	\$15,630	\$4,000
23312	\$49,820	42,584	27.9	166.00	90.50	54.00	2,190	\$15,630	\$4,150
23408	\$53,820	42,619	36.7	166.00	90.50	54.00	2,331	\$17,200	\$4,740
23410	\$54,640	41,827	36.9	166.00	90.50	54.00	2,355	\$17,200	\$4,860
23412	\$55,970	40,734	37.1	166.00	90.50	54.00	2,404	\$17,200	\$5,050
24308	\$64,600	58,640	36.3	220.00	90.50	54.00	2,641	\$20,490	\$5,260
24310	\$64,920	57,709	36.5	220.00	90.50	54.00	2,766	\$20,490	\$5,300
24312	\$66,330	56,778	36.7	220.00	90.50	54.00	2,815	\$20,490	\$5,510
24408	\$71,160	56,825	48.4	220.00	90.50	54.00	3,004	\$22,530	\$6,220
24410	\$72,220	55,615	48.6	220.00	90.50	54.00	3,037	\$22,530	\$6,380
24412	\$74,520	54,312	48.8	220.00	90.50	54.00	3,103	\$22,530	\$6,720
25308	\$86,820	73,300	45.2	274.00	90.50	58.50	3,868	\$25,350	\$7,470
25310	\$87,560	72,137	45.4	274.00	90.50	58.50	3,898	\$25,350	\$7,570
25312	\$88,280	70,973	45.6	274.00	90.50	58.50	3,960	\$25,350	\$7,680
25408	\$89,000	71,031	60.3	274.00	90.50	58.50	4,195	\$27,880	\$7,780
25410	\$91,200	69,519	60.5	274.00	90.50	58.50	4,236	\$27,880	\$8,110
25412	\$93,440	67,890	60.7	274.00	90.50	58.50	4,319	\$27,880	\$8,430
26308	\$101,760	87,960	54.2	328.00	90.50	58.50	4,759	\$30,190	\$8,760
26310	\$102,610	86,564	54.4	328.00	90.50	58.50	4,796	\$30,190	\$8,870
26312	\$103,470	85,168	54.6	328.00	90.50	58.50	4,870	\$30,190	\$9,010
26408	\$104,340	85,238	72.1	328.00	90.50	58.50	5,218	\$33,190	\$9,150
26410	\$105,190	83,422	72.3	328.00	90.50	58.50	5,268	\$33,190	\$9,260
26412	\$106,050	81,468	72.5	328.00	90.50	58.50	5,366	\$33,190	\$9,400



## LEVITOR II CONTROL PANEL NOMENCLATURE





**Fluid Cooler Options**

**Leg Options (30" Fan Units)**

FAN CONFIGURATION	42" LEGS	HINGED	
		FAN PANEL	GRAVITY DAMPERS
1 x 1	\$170	\$350	\$640
1 x 2	\$170	\$690	\$1,280
1 x 3	\$170	\$1,040	\$1,920
1 x 4	\$250	\$1,390	\$2,560
1 x 5	\$340	\$1,730	\$3,200
1 x 6	\$340	\$2,080	\$3,840
2 x 2	\$170	\$1,390	\$2,560
2 x 3	\$340	\$2,080	\$3,840
2 x 4	\$250	\$2,770	\$5,120
2 x 5	\$340	\$3,470	\$6,410
2 x 6	\$340	\$4,160	\$7,690

**150# Flanged Connections:**

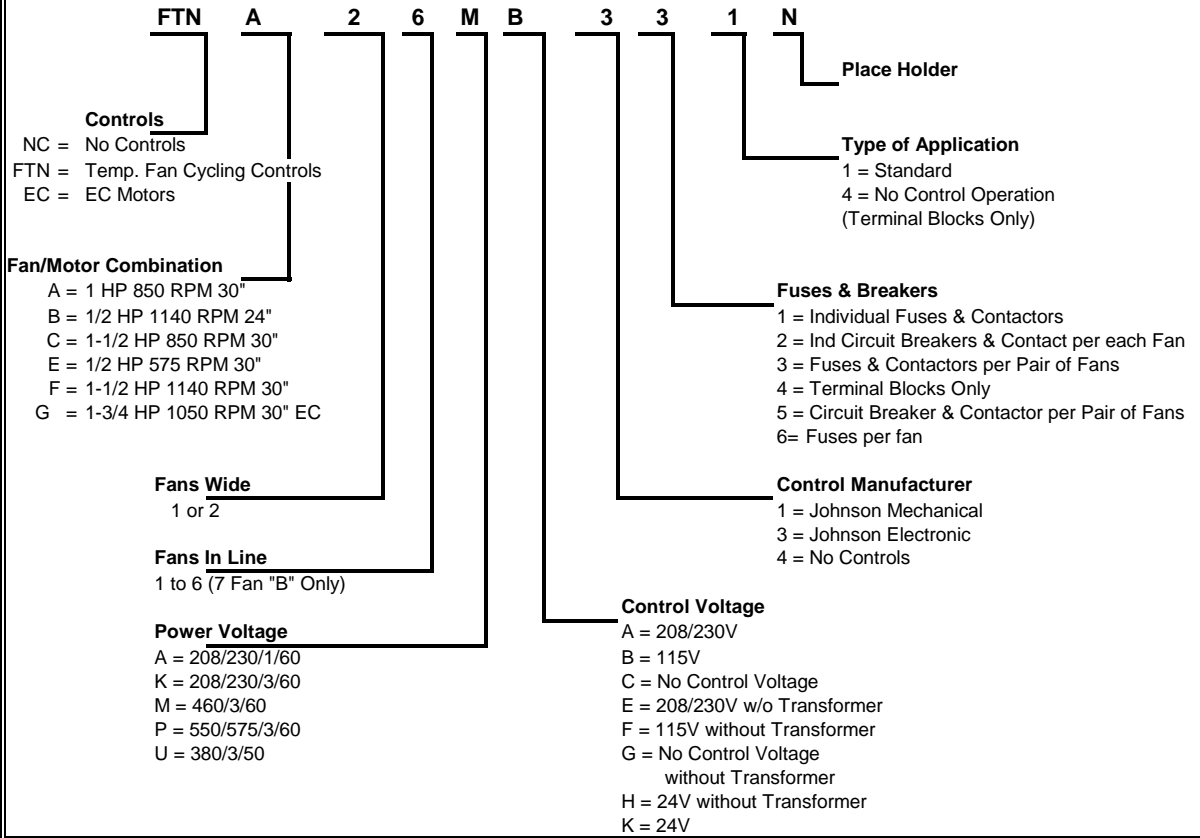
Inline up to 2.5"	\$550
Inline 3"	\$610
Inline 4"	\$660
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Double-Wide up to 2.5"	\$1,110
Double-Wide 3"	\$1,220
Double-Wide 4"	\$1,330

**Double-Wide Unit Manifold Kits:**

Flow Rates 80 to 200 GPM	<b>\$2,760</b>	3.125 ODS or 3 MPT
Flow Rates 201 to 320 GPM	<b>\$4,260</b>	4.125 ODS or 4 MPT



## FLUID COOLER CONTROL PANEL NOMENCLATURE





## Fluid Cooler Control Panels & Electrical Information

FAN CONFIGU	FTN 311	FTN 331	NC 411	NC 431	EC 461 (G Model only)
1 x 1	\$1,100		\$850		\$1,140
1 x 2	\$1,580		\$1,070		\$1,410
1 x 3	\$2,030		\$1,130		\$1,530
1 x 4	\$2,490		\$1,470		\$1,920
1 x 5	\$2,920		\$1,670		\$2,170
1 x 6	\$3,360		\$1,850		\$2,400
1 x 7	\$3,790		\$2,030		\$2,630
2 x 2	\$2,390	\$1,700	\$1,900	\$1,200	\$2,350
2 x 3	\$3,190	\$2,150	\$2,450	\$1,410	\$3,000
2 x 4	\$3,980	\$2,590	\$2,980	\$1,610	\$3,640
2 x 5	\$4,750	\$3,050	\$3,480	\$1,800	\$4,240
2 x 6	\$5,490	\$3,480	\$3,990	\$1,970	\$4,860
2 x 7	\$6,250	\$3,900	\$4,500	\$2,150	\$5,480

**NOTE:** The heading of each column is the last 3 numbers in the Control Panel Nomenclature

### Control Description

#### **Model 311**

Individual Fuses & Contactors  
plus Fan Cycling

#### **Model 331**

Fuses & Contactors per Pair of Fans,  
plus Fan Cycle Controls

#### **Model 411**

No Fan Cycle Controls, Individual  
Fuses and Contactors

#### **Model 431**

No Fan Cycle Controls, Fuses and  
Contactors per Pair of Fans

#### **Model 461**

EC Motors, speed controlled by  
Temperature, fuses per motor

### Options

Option Particular	<u>Add</u>
Circuit Breakers: Per Breaker	\$390
NEMA Contactor: Per Contactor	\$340
Phase Loss Monitor	\$950

#### **Inverter Ready Motor (FEVA & FEVF only)**

	\$260
NEMA 4 Enclosure w/Fan Cycling:	\$1,760
NEMA 4 Enclosure w/Terminal Blocks:	\$600
NEMA 4X Enclosure 24" Fan Units:	\$1,100
NEMA 4X Enclosure 30" Fan Units:	\$2,930
Mounted Non-Fused Disconnect:	\$1,580


#### **TEAO, ATO MOTORS:**

24" Fan Units	<b><u>Standard</u></b>
Std. 1HP 30" Fan Units	<i>c/f</i>
Std. 1.5HP 30" Fan Units	\$1,170

#### **BLOW-THRU UNIT CONFIGURATION:**

24" Fan Units	<i>c/f</i>
Std. 1HP 30" Fan Units	<i>c/f</i>
Std. 1.5HP 30" Fan Units	<i>c/f</i>

## H-SERIES MODEL KEY



### H Series Model Key

	<b>H</b>	#	#	R	-	030	0	M	V	K	*	C	- A
<b>Name</b>													
<b>Type</b>													<b>Receiver Size</b>
N - Indoor													A - 6" x 12"
T - Outdoor													B - 6" x 18"
R - Remote													C - 6" x 23"
S - Satellite													D - 6" x 30"
<b>Base</b>													E - 8-5/8" x 30"
S - Standard													F - 10-3/4" x 30"
H - Heavy Duty													G - 10-3/4" x 38"
													H - 12-3/4" x 30"
													X - No Receiver
<b>Compressor Vendor</b>													M - 5" x 12"
D - Copeland Discus													O - 6" x 12" (HTST)
H - Copeland Hermetic													N - 6" x 15"
R - IR Impact Standard													P - 6" x 36"
S - Copeland Semi-Hermetic													
Z - Copeland Scroll													
T - Tecumseh Hermetic													
X - Tecumseh Scroll													
<b>Compressor Horsepower</b>													<b>Voltage</b>
005 - 1/2 HP													D - 208-230V /1 Ph /60 Hz
030 - 3 HP													K - 208-230V /3 Ph /60 Hz
100 - 10 HP													M - 460V / 3 Ph / 60 Hz
													P - 575V / 3 Ph / 60 Hz
													U - 380V / 3 Ph / 50 Hz
<b>Alternative</b>													<b>Refrigerant</b>
0 - Basic													S - R404a
1 - First Alternative													V - R22
2 - Second Alternative													P - R507
3 - Third Alternative													
													<b>Temperature Range</b>
													H - High (Max Evap Temp = +45 F)
													M - Medium (Max Evap Temp = +35 F)
													E - Extended Medium (-25 F to +25 F)
													L - Low (Max Evap Temp = +0 F)

\* = Condenser size



**HTST-SERIES CONDENSING UNIT**

MODEL	COMPRES MODEL	List Price					@ 95°F Ambient		TECHNICAL SPECIFICAT			SHIP WGT. (LBS)
		Voltage		Defrost Timer Deduct*	Electrofin Coated Coil*	Optional 4-Year Extended Compressor Warranty	MBH		Cabinet Size	Receiver Size	nnectio Liquid	
		208/230V/1PH D	208/230V/3PH K				@ +25°F SST	20°F SST				
<b>High Temp R-22</b>												
HTST-0050HV	AKA9455E	\$3,710	-	(\$370)	\$1,670	\$530	6.70	-	Small	M	1/4"	325
HTST-0070HV	AKA9462E	\$3,720	-	(\$370)	\$1,680	\$530	7.80	-	Small	M	1/4"	325
HTST-0090HV	AJA9484E	\$3,790	-	(\$370)	\$1,720	\$530	8.90	-	Small	O	1/4"	335
HTST-0100HV	AWG5519E	\$3,990	-	(\$370)	\$1,810	\$530	11.60	-	Small	O	3/8"	350
HTST-0150HV	AWG5524E	\$4,050	\$4,270	(\$370)	\$1,960	\$530	15.70	-	Medium	N	3/8"	385
HTST-0200HV	AWG5542E	\$4,350	\$4,610	(\$370)	\$2,120	\$660	16.70	-	Medium	N	3/8"	385
HTST-0240HV	AWG5530E	\$4,680	\$4,840	(\$370)	\$2,240	\$660	19.90	-	Medium	N	3/8"	385
HTST-0300HV	AVA5542E	\$4,830	\$5,010	(\$370)	\$2,320	\$660	29.40	-	Medium	N	3/8"	385
HTST-0350HV	AVA5546E	\$5,860	\$6,420	(\$370)	\$3,030	\$660	31.70	-	Large	P	1/2"	385
HTST-0450HV	AGA5553E	\$7,090	\$7,150	(\$370)	\$3,390	\$660	36.80	-	Large	P	1/2"	440
HTST-0600HV	AGA5561E	\$7,860	\$8,040	(\$370)	\$3,840	\$660	43.10	-	Large	P	1/2"	463
<b>Medium Temp R-404A</b>												
HTST-0070MS	AKA9455Z	\$4,160	-	(\$370)	\$1,900	\$530	7.20	-	Small	M	1/4"	325
HTST-0100MS	AWA9490Z	\$4,280	\$4,280	(\$370)	\$1,960	\$530	12.20	-	Medium	N	3/8"	325
HTST-0110MS	AWA9490Z	\$4,350	-	(\$370)	\$1,990	\$530	13.10	-	Medium	N	3/8"	385
HTST-0160MS	AWA9512Z	\$4,380	\$4,440	(\$370)	\$2,040	\$530	14.70	-	Medium	N	3/8"	385
HTST-0240MS	AVA9522Z	\$4,460	\$4,700	(\$370)	\$2,170	\$660	25.50	-	Medium	N	3/8"	385
HTST-0350MS	AVA9528Z	\$5,470	\$5,570	(\$370)	\$2,600	\$660	35.80	-	Large	P	1/2"	385
HTST-0410MS	AGA9534Z	\$7,350	\$7,960	(\$370)	\$3,790	\$660	43.70	-	Large	P	1/2"	440
<b>Low Temp R-404A</b>												
HTST-0050LS	AJA2419Z	\$4,110	-	(\$370)	\$1,870	\$530	-	1.70	Small	M	1/4"	335
HTST-0060LS	AJA2425Z	\$4,090	-	(\$370)	\$1,860	\$530	-	2.40	Small	M	1/4"	335
HTST-0070LS	AWA2440Z	\$4,160	-	(\$370)	\$1,890	\$530	-	3.20	Small	M	3/8"	335
HTST-0150LS	AWA2460Z	\$4,220	\$4,370	(\$370)	\$2,000	\$530	-	5.90	Medium	N	3/8"	350
HTST-0200LS	AVA2490Z	\$4,430	\$4,590	(\$370)	\$2,110	\$660	-	8.40	Medium	N	3/8"	385
HTST-0300LS	AVA2512Z	\$4,955	\$5,230	(\$370)	\$2,430	\$660	-	10.10	Medium	N	3/8"	400

\*Stock units include timers, any optional features will require a factory order at lead time

**OPTIONS:**  
Subcooling not available on HTST models

Cabinet Size	L	W	H
Small	34.62	28.73	26.54
Medium	40.67	32.35	26.54
Large	54.00	36.35	31.04

Receiver Size and Capacity*			
Receiver Size	Capacity - 90% Full		Heated and Insulated List Price
	R-22(Lbs)	R-404A (Lbs)	
M 5 x 12	8.4	7.9	\$ 660
O 6 x 12	12.2	11.4	\$660
N 6 x 15	15.6	14.6	\$660
P 6 x 36	38.5	36.1	\$660



**HTSD SERIES--CONDENSING UNIT**

MODEL	COMPRES MODEL	LIST PRICE				Optional 4-Year Extended Compress Warranty	@ 95° F Ambient		TECHNICAL SPECIFICATION					SHIP WGT. (LBS)
		Voltage			MBH		Cabinet Size	Rcvr Size	Cond Size	Connections				
		208V/1PH	208V/3PH	460V/3PH						Liq	Suct			
		D	K	M						@ +25°F SST	@ -20°F SST			
<b>Discus - High Temperature - R-22</b>														
HTSD-0500HV	2DC3R53KE	-	\$12,090	\$12,890	\$1,560	43.30	-	MEDIUM	E	C	1/2	1-3/8	800	
HTSD-0501HV	2DD3R63KE	-	\$11,980	\$12,780	\$1,560	49.25	-	MEDIUM	F	C	5/8	1-3/8	800	
HTSD-0750HV	2DL3R78KE	-	\$13,950	\$14,410	\$2,050	67.74	-	MEDIUM	H	D	5/8	1-3/8	800	
HTSD-0751HV	2DA3R89KE	-	\$16,640	\$17,500	\$2,050	73.31	-	LARGE	H	E	5/8	1-3/8	1,250	
HTSD-0752HV	3DA3R10ME	-	\$17,480	\$17,830	\$2,050	87.22	-	LARGE	H	E	5/8	1-3/8	1,250	
HTSD-1000HV	3DB3R12ME	-	\$19,260	\$19,690	\$2,620	103.47	-	LARGE	H	F	7/8	1-3/8	1,250	
HTSD-1200HV	3DF3R15ME	-	\$21,160	\$21,910	\$2,990	123.77	-	X-LARGE	H	J	7/8	1-3/8	1,575	
HTSD-1500HV	3DS3R17ME	-	\$21,670	\$22,460	\$3,960	138.81	-	X-LARGE	H	J	7/8	1-5/8	1,575	
<b>Discus - Low Temperature - R-22</b>														
HTSD-0300LV	2DF3F16KE	\$13,960	\$12,910	\$13,600	\$1,130	-	15.95	MEDIUM	C	B	1/2	1-1/8	800	
HTSD-0400LV	2DL3F20KE	-	\$13,620	\$14,120	\$1,560	-	18.89	MEDIUM	D	B	5/8	1-1/8	800	
HTSD-0600LV	2DB3F25KE	-	\$14,270	\$14,990	\$1,970	-	22.91	MEDIUM	D	B	5/8	1-1/8	800	
HTSD-0601LV	3DA3F28KE	-	\$15,170	\$15,940	\$1,970	-	26.81	MEDIUM	E	C	5/8	1-3/8	800	
HTSD-0750LV	3DB3F33KE	-	\$18,030	\$18,820	\$2,050	-	34.53	LARGE	F	E	5/8	1-3/8	1,250	
HTSD-0900LV	3DF3F40KE	-	\$18,990	\$19,590	\$2,620	-	41.06	LARGE	F	E	5/8	1-3/8	1,250	
HTSD-1000LV	3DS3F46KE	-	\$20,640	\$20,880	\$2,620	-	44.09	LARGE	F	E	5/8	1-5/8	1,250	
HTSD-1500LV	4DL3F63KE	-	\$24,900	\$25,580	\$3,960	-	60.19	LARGE	H	F	7/8	2-1/8	1,250	
HTSD-2200LV	4DT3F76KE	-	\$28,740	\$29,180	\$4,820	-	72.35	X-LARGE	H	J	7/8	2-1/8	1,575	
<b>Discus - High Temperature - R-404A</b>														
HTSD-0500HS	2DC3R53KE	-	\$12,090	\$12,900	\$1,560	43.34	-	MEDIUM	E	C	1/2	1-3/8	800	
HTSD-0501HS	2DD3R63KE	-	\$11,980	\$12,780	\$1,560	50.49	-	MEDIUM	F	C	5/8	1-3/8	800	
HTSD-0750HS	2DL3R78KE	-	\$13,950	\$14,410	\$2,050	60.82	-	MEDIUM	H	D	5/8	1-3/8	800	
HTSD-0751HS	2DA3R89KE	-	\$15,160	\$16,060	\$2,050	75.45	-	LARGE	H	E	5/8	1-3/8	1,250	
HTSD-0752HS	3DA3R10ME	-	\$17,480	\$17,830	\$2,050	86.56	-	LARGE	H	E	5/8	1-3/8	1,250	
HTSD-1000HS	3DB3R12ME	-	\$18,690	\$19,120	\$2,620	99.96	-	LARGE	H	E	7/8	1-3/8	1,250	
HTSD-1200HS	3DF3R15ME	-	\$21,160	\$21,550	\$2,990	131.02	-	X-LARGE	H	J	7/8	1-3/8	1,575	
HTSD-1500HS	3DS3R17ME	-	\$21,670	\$22,460	\$3,960	142.79	-	X-LARGE	H	J	7/8	1-5/8	1,575	
<b>Discus - Low Temperature - R-404A</b>														
HTSD-0300LS	2DF3F16KE	\$12,650	\$11,610	\$12,300	\$1,130	-	19.21	MEDIUM	C	B	1/2	1-3/8	800	
HTSD-0400LS	2DL3F20KE	-	\$12,320	\$12,820	\$1,560	-	22.04	MEDIUM	D	B	5/8	1-3/8	800	
HTSD-0600LS	2DB3F25KE	-	\$13,170	\$13,960	\$1,970	-	27.59	MEDIUM	D	C	5/8	1-3/8	800	
HTSD-0601LS	3DA3F28KE	-	\$14,060	\$14,830	\$1,970	-	31.08	MEDIUM	E	D	5/8	1-3/8	800	
HTSD-0750LS	3DB3F33KE	-	\$16,710	\$17,490	\$2,050	-	38.25	LARGE	F	E	5/8	1-3/8	1,250	
HTSD-0900LS	3DF3F40KE	-	\$17,670	\$18,270	\$2,620	-	45.84	LARGE	F	E	5/8	1-3/8	1,250	
HTSD-1000LS	3DS3F46KE	-	\$19,320	\$19,560	\$2,620	-	51.63	LARGE	F	E	5/8	1-3/8	1,250	
HTSD-1001LS	4DA3F47KE	-	\$20,760	\$21,070	\$2,620	-	52.49	LARGE	H	E	7/8	1-5/8	1,250	
HTSD-1500LS	4DL3F63KE	-	\$23,380	\$23,710	\$3,960	-	68.20	LARGE	H	F	7/8	1-5/8	1,250	
HTSD-2200LS	4DT3F76KE	-	\$27,050	\$27,690	\$4,820	-	85.46	X-LARGE	H	J	7/8	2-1/8	1,575	

\* Standard Units Supplied With Liquid Line Kit and Pumpdown Switch

CABINET SIZE			
	L	W	H
Small	41.75	32.32	24.47
Medium	48.00	34.11	41.95
Large	84.00	35.07	41.89
X-Large	99.00	35.00	54.42

RECEIVER SIZE & CAPACITY			
RECEIVER SIZE	CAPACITY - 90% FULL		HEATED/ INSULATED RECEIVER KIT LIST PRICE
	R-22(LBS)	R-404A/R507(LBS)	
A 6 X 12	12.8	11.1	\$330
B 6 X 18	19.2	16.7	\$330
C 6 X 23	24.6	21.4	\$330
D 6 X 30	32.0	27.9	\$330
E 8-5/8 X 30	62.0	53.9	\$330
F 10-3/4 X 30	94.6	82.3	\$330
G 10-3/4 X 38	122.0	106.2	--
H 12-3/4 X 30	115.0	100.1	\$330



HTSR SERIES-CONDENSING UNIT

MODEL	COMPRES MODEL	LIST PRICE			Warranty	@ 95°F Ambient	TECHNICAL SPECIFICATION					SHIP WGT. (LBS)	
		Voltage		Compres			MBH	Cabinet	Rcvr	Cond	Connections		
		208V/3PH	460V/3PH								Liq		Suct
		K	M	Extended			@ +25°F SST	@ -20°F SST	Size	Size	Size		
<b>Semi-Hermetic - Medium Temperature - R-22</b>													
HTSR-0050MV	IR2C0173SM	\$5,570	\$5,850	\$610	10.11	-	SMALL	B	A	1/2	5/8	400	
HTSR-0070MV	IR2C0222SM	\$5,860	\$6,030	\$610	12.66	-	SMALL	C	A	1/2	5/8	400	
HTSR-0100MV	IR2C0278SM	\$6,200	\$6,400	\$610	15.87	-	SMALL	C	A	1/2	5/8	400	
HTSR-0150MV	IR2C0407SM	\$7,730	\$8,010	\$630	23.40	-	MEDIUM	D	B	1/2	5/8	550	
HTSR-0200MV	IR2C0484SM	\$8,290	\$8,570	\$960	27.41	-	MEDIUM	D	B	1/2	7/8	550	
HTSR-0220MV	IR2C0572SM	\$9,360	\$9,740	\$960	32.14	-	MEDIUM	E	B	1/2	7/8	550	
HTSR-0300MV	IR2C0692SM	\$10,720	\$10,880	\$1,130	38.43	-	MEDIUM	E	B	5/8	7/8	550	
HTSR-0400MV	IR4C0770SM	\$11,740	\$12,310	\$1,560	45.27	-	MEDIUM	E	C	5/8	7/8	550	
HTSR-0500MV	IR4C0969SM	\$12,060	\$12,510	\$1,560	55.29	-	MEDIUM	F	D	5/8	1-1/8	550	
HTSR-0600MV	IR4C1145SM	\$15,330	\$16,250	\$1,980	70.42	-	LARGE	H	E	5/8	1-1/8	1,250	
HTSR-0650MV	IR4C1385SM	\$16,320	\$16,840	\$1,980	83.14	-	LARGE	H	E	5/8	1-1/8	1,250	
HTSR-0700MV	IR4C1480SM	\$16,730	\$17,250	\$2,050	90.18	-	LARGE	H	E	5/8	1-1/8	1,250	
HTSR-0900MV	IR4C1761SM	\$18,520	\$18,870	\$2,620	107.89	-	LARGE	H	F	5/8	1-3/8	1,250	
HTSR-1000MV	IR4C2067SM	\$19,410	\$19,840	\$2,620	125.85	-	LARGE	H	F	7/8	1-5/8	1,250	
HTSR-1200MV	IR4C2397SM	\$20,560	\$21,020	\$2,990	151.33	-	X-LARGE	H	J	7/8	1-5/8	1,575	
HTSR-1400MV	IR4B2707PM	\$21,770	\$22,200	\$2,990	166.94	-	X-LARGE	H	J	7/8	1-5/8	1,575	
HTSR-1600MV	IR4B3139PM	\$22,810	\$23,460	\$3,960	189.23	-	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-1900MV	IR4B3604PM	\$26,010	\$26,290	\$4,820	212.71	-	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2200MV	IR6B4060PM	\$28,110	\$29,000	\$4,820	237.33	-	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2500MV	IR6B4709PM	\$31,670	\$31,980	\$5,380	268.29	-	X-LARGE	H	J	7/8	2-1/8	1,575	
<b>Semi-Hermetic - Low Temperature - R-22</b>													
HTSR-0050LV	IR2C0173SL	\$5,840	\$6,170	\$610	-	3.21	SMALL	B	A	1/2	5/8	400	
HTSR-0070LV	IR2C0222SL	\$6,100	\$6,360	\$610	-	4.17	SMALL	B	A	1/2	5/8	400	
HTSR-0100LV	IR2C0278SL	\$6,420	\$6,610	\$610	-	5.53	SMALL	B	A	1/2	5/8	400	
HTSR-0150LV	IR2C0407SL	\$6,550	\$6,830	\$630	-	8.06	SMALL	B	A	1/2	5/8	400	
HTSR-0200LV	IR2C0484SL	\$6,970	\$7,370	\$960	-	9.46	SMALL	B	A	1/2	7/8	400	
HTSR-0220LV	IR2C0572SL	\$7,520	\$7,890	\$960	-	10.48	SMALL	C	A	1/2	7/8	400	
HTSR-0300LV	IR2C0692SL	\$10,500	\$10,950	\$1,130	-	13.76	MEDIUM	C	B	1/2	7/8	550	
HTSR-0400LV	IR4C0770SL	\$11,160	\$11,620	\$1,560	-	15.07	MEDIUM	D	B	5/8	7/8	550	
HTSR-0500LV	IR4C0969SL	\$11,570	\$12,020	\$1,560	-	18.66	MEDIUM	D	B	5/8	1-1/8	550	
HTSR-0600LV	IR4C1145SL	\$12,570	\$13,020	\$1,980	-	21.43	MEDIUM	E	B	5/8	1-1/8	550	
HTSR-0650LV	IR4C1385SL	\$13,310	\$13,810	\$1,980	-	23.98	MEDIUM	F	C	5/8	1-1/8	550	
HTSR-0700LV	IR4C1480SL	\$13,630	\$14,150	\$2,050	-	27.68	MEDIUM	F	C	5/8	1-1/8	550	
HTSR-0900LV	IR4C1761SL	\$16,230	\$16,750	\$2,620	-	35.75	LARGE	H	E	5/8	1-3/8	1,250	
HTSR-1000LV	IR4C2067SL	\$18,190	\$18,790	\$2,620	-	40.97	LARGE	H	E	7/8	1-5/8	1,250	
HTSR-1200LV	IR4C2397SL	\$18,670	\$19,310	\$2,990	-	46.66	LARGE	H	E	7/8	1-5/8	1,250	
HTSR-1400LV	IR4B2707PL	\$20,170	\$20,800	\$2,990	-	51.10	LARGE	H	E	7/8	1-5/8	1,250	
HTSR-1600LV	IR4B3139PL	\$21,960	\$22,070	\$3,960	-	58.07	LARGE	H	F	7/8	2-1/8	1,250	
HTSR-1900LV	IR4B3604PL	\$24,500	\$24,750	\$4,820	-	69.43	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2200LV	IR6B4060PL	\$25,490	\$25,800	\$4,820	-	76.71	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2500LV	IR6B4709PL	\$28,240	\$28,810	\$5,380	-	88.06	X-LARGE	H	J	7/8	2-1/8	1,575	
<b>Semi-Hermetic - Medium Temperature - R-404A</b>													
HTSR-0050MS	IR2C0173SM	\$5,570	\$5,850	\$610	10.48	-	SMALL	B	A	1/2	5/8	400	
HTSR-0070MS	IR2C0222SM	\$5,860	\$6,010	\$610	13.67	-	SMALL	C	A	1/2	5/8	400	
HTSR-0100MS	IR2C0278SM	\$6,200	\$6,530	\$610	16.80	-	SMALL	C	A	1/2	5/8	400	
HTSR-0150MS	IR2C0407SM	\$7,790	\$8,070	\$630	25.49	-	MEDIUM	D	B	5/8	5/8	550	
HTSR-0200MS	IR2C0484SM	\$8,350	\$8,630	\$960	30.62	-	MEDIUM	D	B	5/8	7/8	550	
HTSR-0220MS	IR2C0572SM	\$9,420	\$9,730	\$960	34.31	-	MEDIUM	E	B	5/8	7/8	550	
HTSR-0300MS	IR2C0692SM	\$10,950	\$11,380	\$1,130	43.20	-	MEDIUM	F	C	5/8	7/8	550	
HTSR-0400MS	IR4C0770SM	\$11,740	\$12,190	\$1,560	46.89	-	MEDIUM	F	C	5/8	7/8	550	
HTSR-0500MS	IR4C0969SM	\$14,020	\$14,550	\$1,980	63.88	-	LARGE	F	E	5/8	1-1/8	1,250	
HTSR-0600MS	IR4C1145SM	\$15,730	\$16,250	\$1,980	73.64	-	LARGE	H	E	5/8	1-1/8	1,250	
HTSR-0650MS	IR4C1385SM	\$16,320	\$16,840	\$1,980	86.71	-	LARGE	H	E	5/8	1-1/8	1,250	
HTSR-0700MS	IR4C1480SM	\$16,850	\$17,380	\$2,050	91.37	-	LARGE	H	E	7/8	1-1/8	1,250	
HTSR-0900MS	IR4C1761SM	\$18,650	\$19,000	\$2,620	109.66	-	LARGE	H	F	7/8	1-3/8	1,250	
HTSR-1000MS	IR4C2067SM	\$20,210	\$20,670	\$2,620	137.28	-	X-LARGE	H	J	7/8	1-5/8	1,575	
HTSR-1200MS	IR4C2397SM	\$21,870	\$22,370	\$2,990	156.23	-	X-LARGE	H	J	7/8	1-5/8	1,575	
HTSR-1400MS	IR4B2707PM	\$23,270	\$23,760	\$2,990	171.22	-	X-LARGE	H	J	7/8	1-5/8	1,575	
HTSR-1600MS	IR4B3139PM	\$24,040	\$24,860	\$3,960	191.39	-	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-1900MS	IR4B3604PM	\$26,010	\$26,820	\$4,820	215.08	-	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2200MS	IR6B4060PM	\$28,110	\$28,950	\$4,820	236.74	-	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2500MS	IR6B4709PM	\$31,670	\$32,610	\$5,380	259.91	-	X-LARGE	H	J	7/8	2-1/8	1,575	
<b>Semi-Hermetic - Low Temperature - R-404A</b>													
HTSR-0050LS	IR2C0173SL	\$5,450	\$5,720	\$610	-	3.03	SMALL	B	A	1/2	5/8	400	
HTSR-0070LS	IR2C0222SL	\$5,710	\$5,870	\$610	-	4.34	SMALL	B	A	1/2	5/8	400	
HTSR-0100LS	IR2C0278SL	\$6,030	\$6,160	\$610	-	5.56	SMALL	B	A	1/2	5/8	400	
HTSR-0150LS	IR2C0407SL	\$6,160	\$6,440	\$630	-	8.05	SMALL	B	A	1/2	5/8	400	
HTSR-0200LS	IR2C0484SL	\$6,580	\$6,860	\$960	-	9.75	SMALL	B	A	1/2	7/8	400	
HTSR-0220LS	IR2C0572SL	\$8,590	\$8,940	\$960	-	11.98	MEDIUM	C	B	1/2	7/8	550	
HTSR-0300LS	IR2C0692SL	\$10,170	\$10,620	\$1,130	-	14.46	MEDIUM	C	B	5/8	7/8	550	
HTSR-0400LS	IR4C0770SL	\$10,930	\$11,380	\$1,560	-	15.72	MEDIUM	D	B	5/8	7/8	550	
HTSR-0500LS	IR4C0969SL	\$11,500	\$11,980	\$1,560	-	19.15	MEDIUM	D	B	5/8	1-1/8	550	
HTSR-0600LS	IR4C1145SL	\$12,410	\$12,890	\$1,980	-	23.07	MEDIUM	E	C	5/8	1-1/8	550	
HTSR-0650LS	IR4C1385SL	\$13,100	\$13,600	\$1,980	-	28.93	MEDIUM	E	D	5/8	1-1/8	550	
HTSR-0700LS	IR4C1480SL	\$13,870	\$14,270	\$2,050	-	29.33	MEDIUM	E	D	5/8	1-1/8	550	
HTSR-0900LS	IR4C1761SL	\$15,840	\$16,360	\$2,620	-	37.64	LARGE	F	E	5/8	1-3/8	1,250	
HTSR-1000LS	IR4C2067SL	\$17,260	\$17,900	\$2,620	-	44.13	LARGE	F	E	5/8	1-5/8	1,250	
HTSR-1200LS	IR4C2397SL	\$17,750	\$18,320	\$2,990	-	49.47	LARGE	F	E	5/8	1-5/8	1,250	
HTSR-1400LS	IR4B2707PL	\$20,280	\$20,830	\$2,990	-	57.88	LARGE	H	F	7/8	1-5/8	1,250	
HTSR-1600LS	IR4B3139PL	\$21,580	\$21,930	\$3,960	-	65.80	LARGE	H	F	7/8	2-1/8	1,250	
HTSR-1900LS	IR4B3604PL	\$24,140	\$24,570	\$4,820	-	80.33	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2200LS	IR6B4060PL	\$25,130	\$25,880	\$4,820	-	85.87	X-LARGE	H	J	7/8	2-1/8	1,575	
HTSR-2500LS	IR6B4709PL	\$27,920	\$28,770	\$5,380	-	99.65	X-LARGE	H	J	7/8	2-1/8	1,575	

\* Standard Units Supplied With Liquid Line Kit and Pumpdown Switch

CABINET SIZE	RECEIVER SIZE		
	L	W	H
Small	41.75	32.32	24.47
Medium	48.00	34.11	41.95
Large	84.00	35.07	41.89
X-Large	99.00	35.00	54.42

RECEIVER SIZE & CAPACITY			
RECEIVER SIZE	CAPACITY - 90% FULL		HEATED/INSULATED RECEIVER KIT LIST PRICE
	R-22(LBS)	R-404A/R507(LBS)	
A	6 X 12	12.5	\$310
B	6 X 18	19.2	\$310
C	6 X 23	24.6	\$310
D	6 X 30	32.0	\$310
E	8-5/8 X 30	62.0	\$310
F	10-3/4 X 30	94.6	\$310
G	10-3/4 X 38	122.0	\$310
H	12-3/4 X 30	115.0	\$310



**HTSS-SERIES--CONDENSING UNIT**

MODEL	COMPRES MODEL	LIST PRICE				Optional 4-Year Extended Compres Warranty	@ 95°F Ambient		TECHNICAL SPECIFICATION					SHIP WGT. (LBS)
		Voltage			MBH		Cabinet Size	Rcvr Size	Cond Size	Connections				
		208V/1P H	208V/3PH	460V/3PH						Liq	Suct			
		D	K	M						@ +25°F SST	@ - 20°F SST			
<b>Semi-Hermetic - Medium Temperature - R-22</b>														
HTSS-0050MV	HAJ# - 005E	\$4,690	\$4,690	-	\$610	5.01	-	SMALL	B	A	1/2	7/8	400	
HTSS-0070MV	KAN# - 007E	\$4,790	-	-	\$610	6.91	-	SMALL	B	A	1/2	7/8	400	
HTSS-0071MV	KAE# - 007E	\$4,810	\$4,660	-	\$610	7.93	-	SMALL	B	A	1/2	7/8	400	
HTSS-0100MV	KAR# - 010E	\$5,120	\$5,100	\$5,160	\$610	9.63	-	SMALL	B	A	1/2	7/8	400	
HTSS-0201MV	ERC# - 020E	-	\$6,440	\$6,610	\$960	17.71	-	SMALL	D	A	1/2	7/8	400	
HTSS-0300MV	ERF# - 031E	\$7,340	\$7,240	\$7,350	\$1,130	20.23	-	SMALL	D	A	1/2	1-1/8	400	
HTSS-0301MV	3RA#-031E	-	\$8,640	\$8,880	\$1,130	31.05	-	MEDIUM	D	B	1/2	1-1/8	550	
<b>Semi-Hermetic - Low Temperature - R-22</b>														
HTSS-0070LV	KAM# - 007E	\$4,850	\$4,840	-	\$610	-	3.13	SMALL	B	A	1/2	7/8	400	
HTSS-0100LV	KAJ# - 010E	\$5,140	\$5,110	\$5,350	\$610	-	4.31	SMALL	B	A	1/2	7/8	400	
HTSS-0201LV	EAD# - 020E	\$6,470	\$6,500	-	\$960	-	6.12	SMALL	C	A	1/2	7/8	400	
HTSS-0200LV	EAV# - 021E	\$6,620	\$6,620	\$6,770	\$960	-	7.00	SMALL	C	A	1/2	7/8	400	
HTSS-0250LV	LAH# - 032E	\$8,350	\$8,370	\$8,600	\$960	-	11.11	MEDIUM	C	B	1/2	1-1/8	550	
<b>Semi-Hermetic - Medium Temperature - R-404A</b>														
HTSS-0050MS	HAJ# - 005E	\$4,690	\$4,690	-	\$610	5.23	-	SMALL	B	A	1/2	7/8	400	
HTSS-0100MS	KAR# - 010E	\$5,120	\$5,100	\$5,160	\$610	9.74	-	SMALL	B	A	1/2	7/8	400	
HTSS-0101MS	KAG# - 010E	\$5,930	\$5,860	\$6,010	\$610	11.46	-	SMALL	C	A	1/2	7/8	400	
HTSS-0200MS	KAK# - 020E	\$6,260	\$6,170	\$6,320	\$960	15.27	-	SMALL	C	A	1/2	7/8	400	
HTSS-0201MS	ERC# - 021E	-	\$7,080	\$7,270	\$960	17.96	-	SMALL	C	A	1/2	7/8	400	
HTSS-0300MS	ERF# - 031E	\$7,890	\$7,760	\$7,980	\$1,130	28.03	-	MEDIUM	C	B	1/2	1-1/8	550	
HTSS-0301MS	3RA# - 031E	-	\$9,060	\$9,310	\$1,130	32.53	-	MEDIUM	C	B	1/2	1-1/8	550	
HTSS-0400MS	NRB# - 040E	-	\$9,650	\$9,920	\$1,560	35.90	-	MEDIUM	E	B	1/2	1-1/8	550	
<b>Semi-Hermetic - Low Temperature - R404A</b>														
HTSS-0050LS	KAN# - 006E	\$4,880	\$4,910	-	\$610	-	2.04	SMALL	B	A	1/2	7/8	400	
HTSS-0070LS	KAM# - 007E	\$5,080	\$5,060	-	\$610	-	3.35	SMALL	B	A	1/2	7/8	400	
HTSS-0100LS	KAJ# - 011E	\$5,360	\$5,320	\$5,380	\$630	-	4.67	SMALL	B	A	1/2	7/8	400	
HTSS-0150LS	KAL# - 016E	\$6,060	\$6,090	\$6,310	\$630	-	6.70	SMALL	B	A	1/2	7/8	400	
HTSS-0200LS	EAV# - 021E	\$7,020	\$7,020	\$7,420	\$960	-	8.26	SMALL	C	A	1/2	7/8	400	
HTSS-0250LS	LAH# - 032E	\$8,730	\$8,550	\$8,790	\$960	-	13.76	MEDIUM	C	B	1/2	1-1/8	550	

\* Standard Unit Supplied with Liquid Line Kit and Pumpdown Switch

CABINET SIZE	L	W	H
Small	41.750	32.320	24.471
Medium	48.000	34.105	41.946
Large	84.000	35.072	41.891
X-Large	99.000	35.002	54.424

RECEIVER SIZE & CAPACITY			
RECEIVER SIZE	CAPACITY - 90% FULL		HEATED/ INSULATED RECEIVER KIT LIST PRICE
	R-22(LBS)	R-404A/R507(LBS)	
A 6 X 12	12.8	11.1	\$330
B 6 X 18	19.2	16.7	\$330
C 6 X 23	24.6	21.4	\$330
D 6 X 30	32.0	27.9	\$330
E 8-5/8 X 30	62.0	53.9	\$330
F 10-3/4 X 30	94.6	82.3	\$330
G 10-3/4 X 38	122.0	106.2	--
H 12-3/4 X 30	115.0	100.1	\$330



## HTSZ SERIES--CONDENSING UNITS

MODEL	COMPRES MODEL	LIST PRICE				Optional 4-Year Extended Compressor Warranty	@ 95° F Ambient		TECHNICAL SPECIFICATION					SHIP WGT. (LBS)
		Voltage			Compressor		MBH		Cabinet Size	Rcvr Size	Cond Size	Connection		
		208V/1P H	208V/3PH	460V/3P H			+25°F SST	@ - 20°F SST				Liq	Suct	
		D	K	M										
<b>Scroll - Medium Temperature - R-22</b>														
HTSZ-0200MV	ZS15K4E	\$6,370	\$6,200	\$6,350	\$730	17.21	-	SMALL	C	A	1/2	7/8	400	
HTSZ-0250MV	ZS19K4E	\$6,810	\$6,690	\$6,800	\$730	22.18	-	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0300MV	ZS21K4E	\$7,040	\$6,900	\$7,070	\$840	24.72	-	MEDIUM	D	B	1/2	7/8	650	
HTSZ-0350MV	ZS26K4E	\$7,340	\$7,190	\$7,350	\$840	30.02	-	MEDIUM	D	B	1/2	7/8	650	
HTSZ-0400MV	ZS30K4E	\$8,250	\$8,060	\$8,250	\$910	34.48	-	MEDIUM	E	B	5/8	7/8	650	
HTSZ-0500MV	ZS38K4E	\$8,550	\$8,300	\$8,420	\$910	42.68	-	MEDIUM	E	C	5/8	7/8	650	
HTSZ-0600MV	ZS45K4E	-	\$8,270	\$8,550	\$980	50.56	-	MEDIUM	F	C	5/8	7/8	650	
HTSZ-0750MV	ZS56K4E	-	\$15,330	\$15,900	\$1,590	63.32	-	LARGE	F	E	5/8	1-3/8	1,200	
HTSZ-1000MV	ZS75K4E	-	\$19,070	\$19,380	\$1,720	87.64	-	LARGE	H	E	5/8	1-3/8	1,200	
HTSZ-1300MV	ZS92K4E	-	\$19,700	\$20,700	\$1,960	107.49	-	LARGE	H	F	7/8	1-3/8	1,200	
HTSZ-1500MV	ZS11M4E	-	\$21,530	\$22,500	\$2,150	126.61	-	X-LARGE	H	J	7/8	1-3/8	1,550	
<b>Scroll - Low Temperature - R-22</b>														
HTSZ-0200LV	ZF06K4E	\$5,980	\$5,830	\$6,550	\$730	-	6.94	SMALL	B	A	1/2	7/8	400	
HTSZ-0250LV	ZF08K4E	\$6,130	\$5,980	\$6,680	\$730	-	8.76	SMALL	B	A	1/2	7/8	400	
HTSZ-0300LV	ZF09K4E	\$6,620	\$6,440	\$6,810	\$840	-	9.81	SMALL	B	A	1/2	7/8	400	
HTSZ-0350LV	ZF11K4E	\$7,540	\$7,380	\$7,790	\$840	-	12.40	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0400LV	ZF13K4E	\$7,770	\$7,570	\$8,260	\$910	-	14.29	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0500LV	ZF15K4E	\$8,050	\$7,780	\$8,580	\$910	-	17.32	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0600LV	ZF18K4E	-	\$8,450	\$9,010	\$980	-	20.20	MEDIUM	D	B	5/8	7/8	650	
HTSZ-0750LV	ZF24K4E	-	\$13,770	\$14,210	\$1,590	-	24.37	MEDIUM	E	C	5/8	1-3/8	650	
HTSZ-1000LV	ZF33K4E	-	\$16,700	\$17,400	\$1,720	-	35.31	LARGE	F	E	5/8	1-3/8	1,200	
<b>Scroll - Medium Temperature - R-404A</b>														
HTSZ-0200MS	ZS15K4E	\$5,840	\$5,710	\$5,800	\$730	17.75	-	SMALL	B	A	1/2	7/8	400	
HTSZ-0250MS	ZS19K4E	\$5,970	\$5,890	\$6,050	\$730	23.36	-	MEDIUM	D	B	1/2	7/8	650	
HTSZ-0300MS	ZS21K4E	\$6,530	\$6,430	\$6,430	\$840	25.54	-	MEDIUM	D	B	1/2	7/8	650	
HTSZ-0350MS	ZS26K4E	\$7,160	\$7,040	\$7,240	\$840	30.94	-	MEDIUM	E	B	1/2	7/8	650	
HTSZ-0400MS	ZS30K4E	\$7,800	\$7,630	\$7,860	\$910	34.99	-	MEDIUM	E	B	5/8	7/8	650	
HTSZ-0500MS	ZS38K4E	\$8,230	\$8,000	\$8,380	\$910	43.40	-	MEDIUM	E	C	5/8	7/8	650	
HTSZ-0600MS	ZS45K4E	-	\$8,390	\$8,590	\$980	51.35	-	MEDIUM	F	C	5/8	7/8	650	
HTSZ-0750MS	ZS56K4E	-	\$15,330	\$15,900	\$1,590	66.07	-	LARGE	F	E	5/8	1-3/8	1,200	
HTSZ-1000MS	ZS75K4E	-	\$18,620	\$19,380	\$1,720	90.29	-	LARGE	H	E	5/8	1-3/8	1,200	
HTSZ-1300MS	ZS92K4E	-	\$19,700	\$20,330	\$1,960	108.47	-	LARGE	H	F	7/8	1-5/8	1,200	
HTSZ-1500MS	ZS11M4E	-	\$21,530	\$21,820	\$2,150	130.20	-	X-LARGE	H	J	7/8	1-5/8	1,550	
<b>Scroll - Low Temperature - R-404A</b>														
HTSZ-0200LS	ZF06K4E	\$6,500	\$6,330	\$6,550	\$730	-	7.46	SMALL	B	A	1/2	7/8	400	
HTSZ-0250LS	ZF08K4E	\$6,610	\$6,430	\$6,680	\$730	-	9.30	SMALL	B	A	1/2	7/8	400	
HTSZ-0300LS	ZF09K4E	\$6,810	\$6,610	\$6,810	\$840	-	10.16	SMALL	B	A	1/2	7/8	400	
HTSZ-0350LS	ZF11K4E	\$7,720	\$7,540	\$7,600	\$840	-	13.29	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0400LS	ZF13K4E	\$8,220	\$8,000	\$8,260	\$910	-	14.97	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0500LS	ZF15K4E	\$8,530	\$8,230	\$8,580	\$910	-	18.11	MEDIUM	C	B	1/2	7/8	650	
HTSZ-0600LS	ZF18K4E	-	\$8,970	\$9,280	\$980	-	21.89	MEDIUM	E	C	5/8	7/8	650	
HTSZ-0750LS	ZF24K4E	-	\$13,770	\$14,210	\$1,590	-	26.11	MEDIUM	E	C	5/8	1-3/8	650	
HTSZ-1000LS	ZF33K4E	-	\$16,710	\$17,400	\$1,960	-	37.81	LARGE	F	E	5/8	1-3/8	1,200	

\* Standard Unit Supplied with Liquid Line Kit and Pumpdown Switch

CABINET SIZE	L W H		
	Small	41.750	32.320
Medium	48.000	34.105	41.946
Large	84.000	35.072	41.891
X-Large	99.000	35.002	54.424

### RECEIVER SIZE & CAPACITY

RECEIVER SIZE	CAPACITY - 90% FULL		RECEIVER KIT LIST PRICE
	R-22(LBS)	R-404A/R507(LBS)	
A 6 X 12	12.8	11.1	\$330
B 6 X 18	19.2	16.7	\$330
C 6 X 23	24.6	21.4	\$330
D 6 X 30	32.0	27.9	\$330
E 8-5/8 X 30	62.0	53.9	\$330
F 10-3/4 X 30	94.6	82.3	\$330
G 10-3/4 X 38	122.0	106.2	--
H 12-3/4 X 30	115.0	100.1	\$330



**HNST/HNSX - SERIES INDOOR CONDENSING UNITS**

MODEL	COMPRES'R MODEL	LIST PRICE		Optional 4-Year Extended Compressor Warranty	@90°F Ambient MBH		TECHNICAL SPECIFICATIONS			Cabinet Size (in)			SHIP WGT. LBS.
		208/230V/1PH	208/230V/3PH				Pumpdown	Connections		L	W	H	
		D	K		@ +25°F SST	@ - 20°F SST	90°F @ 90% (lbs.)	Liquid (in)	Suction (in)				
<b>High Temp R-22</b>													
HNST-0050HV	AKA9455E	\$2,370	-	\$530	6.90	-	10.3	1/4	3/8	28.0	17.8	15.0	85
HNST-0070HV	AKA9462E	\$2,440	-	\$530	7.80	-	10.3	1/4	3/8	28.0	17.8	15.0	85
HNST-0090HV	AJA9484E	\$2,810	-	\$530	9.50	-	10.3	1/4	1/2	28.0	17.7	15.1	101
HNST-0100HV	AWG5515E	\$3,260	-	\$530	10.47	-	12.1	3/8	5/8	28.0	19.4	16.2	120
HNST-0150HV	AWG5520E	\$3,280	\$3,540	\$530	13.17	-	12.4	3/8	5/8	28.0	19.4	16.2	134
HNST-0200HV	AWG5524E	\$4,880	\$5,020	\$670	16.40	-	19	3/8	5/8	33.6	25.0	19.5	185
HNST-0250HV	AWG5530E	\$5,290	\$5,390	\$670	20.79	-	19.3	3/8	5/8	33.6	25.0	19.5	180
HNST-0300HV	AVA5538E	-	\$5,500	\$670	25.77	-	19.3	3/8	7/8	33.6	25.0	19.5	220
HNST-0350HV	AVA5542E	\$5,570	\$5,520	\$670	27.49	-	19.3	3/8	7/8	33.6	25.0	19.5	221
HNST-0400HV	AGA5553E	\$6,290	\$6,180	\$670	38.25	-	47.2	1/2	7/8	44.9	28.6	26.9	311
HNST-0500HV	AGA5561E	\$6,980	\$6,930	\$670	46.00	-	51.3	1/2	7/8	44.8	28.6	26.9	331
HNST-0600HV	AGA5568E	\$7,080	\$6,920	\$670	49.50	-	51.3	1/2	7/8	44.8	28.6	26.9	331
<b>Medium Temp R-404A</b>													
HNST-0070MS	AKA9462Z	\$2,670	-	\$530	6.90	-	8.9	1/4	3/8	28.0	17.8	15.0	84
HNST-0100MS	AWA9490Z	\$3,470	\$3,460	\$530	11.96	-	10.5	3/8	5/8	28.0	19.4	16.2	130
HNST-0150MS	AWA9512Z	\$4,940	\$5,070	\$530	15.76	-	16.5	3/8	5/8	33.6	25.0	19.5	150
HNST-0200MS	AVA7524Z	\$5,380	\$5,220	\$530	24.19	-	16.5	3/8	5/8	33.6	25.0	19.5	150
HNST-0300MS	AVA9522Z	\$5,670	\$5,630	\$670	27.04	-	16.8	3/8	7/8	33.6	25.0	19.5	150
HNST-0400MS	AGA9530Z	\$7,070	\$6,930	\$670	42.60	-	44.6	1/2	7/8	44.8	28.6	26.9	463
HNST-0500MS	AGA9534Z	-	\$7,110	\$670	47.30	-	44.6	1/2	7/8	44.8	28.6	26.9	463
<b>Low Temp R-404A</b>													
HNST-0075LS	AJA2425Z	\$2,570	-	\$530	-	2.28	8.9	1/4	1/2	28.0	17.7	15.1	77
HNST-0100LS	AWA2440Z	\$3,010	\$3,110	\$530	-	3.57	8.9	1/4	1/2	28.0	17.7	15.2	119
HNST-0125LS	AWA2460Z	\$3,440	\$3,660	\$530	-	5.92	10.5	3/8	5/8	28.0	19.4	16.2	119
HNST-0150LS	AWA2460Z	\$5,000	\$5,020	\$530	-	6.36	16.5	3/8	5/8	33.6	25.0	19.5	119
HNST-0200LS	AVA2490Z	\$5,330	\$5,180	\$670	-	9.10	16.5	3/8	7/8	33.6	25.0	19.5	220
HNST-0300LS	AVA2512Z	\$5,740	\$5,610	\$670	-	10.90	16.8	3/8	5/8	33.6	25.0	19.5	220

**Scroll Units**

HNSX-0100MS	VSA9490Z	-	\$4,510	\$530	12.17	-	10.5	3/8	5/8	28.0	19.4	16.2	155
HNSX-0200MS	VSA9514Z	\$5,400	\$5,520	\$530	18.11	-	16.5	3/8	5/8	33.6	25.0	19.6	290
HNSX-0250MS	VSA9517Z	\$5,840	\$5,850	\$530	23.04	-	16.8	3/8	5/8	33.6	25.0	19.6	295
HNSX-0300MS	VSA9521Z	-	\$6,660	\$670	24.40	-	16.8	3/8	5/8	33.6	25.0	19.6	305
HNSX-0350MS	VSA9524Z	-	\$6,880	\$670	31.12	-	40.9	1/2	5/8	44.9	28.6	26.9	220
HNSX-0400MS	VSA9528Z	-	\$7,110	\$670	33.20	-	40.9	1/2	5/8	44.9	28.6	26.9	235

Non-Replaceable Suction Filter (Note 1)	
Suction Connection	List Price
5/8	\$90
7/8	\$90
1-1/8	\$90
1-3/8	\$130
1-5/8	\$130
2-1/8	\$310

Defrost Kits*		Price List
Defrost Clock		\$370
Elec Def Kit- E2		\$1,470
Elec Def Kit- E3		\$1,890
Elec Def Kit- E4		\$3,150

\* Must specify evaporator motor voltage and heater voltage

Condenser Size	Condenser Coil Protection (Note 2 and 3)			
	Electrofin	Phenolic	Vinyl	Copper Fin
A	\$550	\$760	\$2,080	\$2,690
B	\$360	\$620	\$1,960	\$2,790
C	\$470	\$740	\$2,080	\$2,910
D	\$845	\$1,180	\$2,420	\$3,670
E	\$2,220	\$2,730	\$3,620	\$5,600
F	\$2,770	\$3,390	\$3,950	\$7,360
J	\$3,650	\$4,170	\$6,900	\$8,900

Suction Accumulator	
Suction connection	List Price
5/8	\$340
7/8	\$340
1 1/8	\$390
1 3/8	\$440
1 5/8	\$510
2 1/8	\$630

Fused Disconnect (loose)	
Amp/Poles/Voltage	List Price
30A 3P 240V	\$490
60A 3P 240V	\$710
100A 3P 240V	\$1,030
200A 3P 240V	\$1,980
30A 3P 600V	\$720
60A 3P 600V	\$710
100A 3P 600V	\$1,370
200A 3P 600V	\$1,980

Note 1: Non-Replaceable Suction Filter is an Option on All Units.  
 Note 2: Consult Factory for Lead Time on Condenser/Subcooling with Coil Protection.  
 The Sub-Cooling MUST have the same protection than the Condenser has.  
 Note 3: Condensers With Coil Protection MUST NOT be Sold Separately.  
 Consult Factory for Just the Price List for Condenser With Coil Protection.

Liquid Line Solenoid Valve (Ship Loose)	
Liquid Connection	List Price
1/2	\$230
5/8	\$230
7/8	\$330

Kit	
Receiver Size	List Price
A, B, C, D	\$330
E, F	\$330
G, H	\$330

1 phase, <12 motor amps, <48 heater amps  
 3 phase, <12 motor amps, <48 heater amps  
 3 phase, <12 motor amps, <100 heater amps

Oil Separator	
Discharge c	List Price
1/2 (S)	\$1,090
5/8 (M)	\$1,120
7/8 (L)	\$1,520
1 1/8 (XL)	\$1,680




Phase Loss Monitor	
Voltage	List Price
208 - 460V	\$280
575V	\$280

Fan Cycling (per fan)	
Cycle	List Price
1 Step	\$270
2 Step	\$540
3 Step	\$800
4 Step	\$1,070
5 Step	\$1,340
6 Step	\$1,600

Fan Cycling	
Cond Size	# of Fans
A	1
B	1
C	2
D	2
E	4
F	4
J	6

## Standard Features List

### HTS Condensing Units

Small Standard H-Series Unit
Medium Heavy Duty yH-Series Unit
Large Standard H-Series Unit


- Outdoor Housing
- Manual Re-set High Pressure control (cartridge type)
- Adjustable auto-rest low pressure control
- Oil pressure failure control (Sentronic for Copeland/Electro-mechanical for Bitzer)
- Head Pressure Control (winter control valve)
- Crankcase heater
- Vertical receiver with fusible plug
- Suction accumulator on all scroll compressor units and extended medium temp hermetic compressor units
- Compressor contactor
- Fuses for compressor power
- Separate fuses for control circuit power
- UL Listed

#### FEATURES INCLUDED WITH KRACK STOCK UNITS

FEATURES INCLUDED WITH KRACK STOCK UNITS	
Description	Stock
Crankcase heater	STD.
Head pressure control flooding valve	STD.
Liquid drier, sight glass and ball valve	STD.
Suction filter	N/A
Suction accumulator Std on Scroll and EM units	N/A
Oil separator with discharge check valve	N/A
Pumpdown switch	STD.
Liquid line solenoid valve Ship Loose	N/A
Liquid line solenoid valve factory installed	N/A
Replaceable core liquid line filter	N/A
Replaceable core suction line filter	N/A
Subcooling coil	N/A
Protective coil coatings	N/A
Over-size receiver	N/A
Insulated and heated receiver	N/A
Pressure relief valve	N/A
Auto reset high pressure control	STD.
Adjustable low pressure control	STD.
Phase loss / low voltage monitor	N/A
Fan cycling control	N/A
Thermostat (ship loose)	N/A
Air or electric defrost kit	N/A
Electric defrost contactor	N/A
Fused disconnect Ship Loose	N/A

Note: Not included on HTS Units

## CS--Commercial Large Condensing Units

 <span style="font-size: 1.2em; font-weight: bold; color: red; margin-left: 20px;">Commercial Large Condensing Unit Model Key</span>	
<p style="text-align: center; border: 1px solid black; padding: 2px; margin-bottom: 5px;"><b>CP</b></p> <p><b>Condensing Unit Family</b></p> <p>CS - Single Compressor          CP - Parallel Compressors          CD - Dual Compressors</p> <p><b>Compressor Manufacturer</b></p> <p>D - Copeland Discus          I - Ingersoll Rand Semi-Hermetic          V - Copeland Screw (Consult factory)</p> <p><b>Total HP</b></p> <p>0100 = 10 HP w/std condenser          0101 = 10 HP w/oversized condenser          0700 = (2) 35 HP w/std condenser          0701 = (2) 35 HP w/oversized condenser</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 45%;"> <p style="text-align: center; margin-bottom: 10px;">I - 0700 H 2 M</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p><b>Compressor Manufacturer</b></p> <p>D - Copeland Discus              I - Ingersoll Rand Semi-Hermetic              V - Copeland Screw (Consult factory)</p> </div> </div> <div style="width: 45%;"> <p><b>Voltage</b></p> <p>K - 208/230/3/60              M - 460/3/60              P - 575/3/60              U - 380/3/50</p> <p><b>Refrigerant</b></p> <p>2 (V) - R22              4 (S) - R404A              7 (P) - R507</p> <p><b>Temperature</b></p> <p>H - High              M - Medium              L - Low</p> </div> </div>

### Standard Features

- Replaceable core liquid line filter drier and sight glass.
- Encapsulated high pressure cutout.
- Electronic oil pressure switch.
- Adjustable low pressure control.
- 230V control circuit with transformer (where needed).
- Adjustable low ambient head pressure control valve.
- Oversized condenser (models pre-engineered).
- Low temperature units--suction accumulator

### Optional Features

- Pressure fan cycling.
- Suction filter.
- 115 control voltage with transformer.
- Oil separator system to activate flow of oil. (Recommended for room temperatures of -10°F and below).
- Suction accumulator (medium/high temperature).
- Replaceable core suction filter.
- Heated and insulated receiver.
- Electrical control panel with all necessary controls to run electric defrost evaporators (includes timer, contactors).
- Air defrost timer.
- Shipped loose fused disconnect .
- Mounted non-fused disconnect with interlock.
- Cylinder unloaders for compressors.
- Alternate fin materials, such as vinyl and copper, can be specified for adverse environmental conditions.
- 1.5 HP 850 RPM with low noise fan blades.
- Condenser access/clean out doors.



**CS\* - Single Compressor Models**  
One refrigerant and one electrical circuit

Standard	Compressor Model		MBH@		List Price 230V (K) 460V (M) 575V(P)	Optional Htd Ins Receiver	O P T I O N S					Optional 4-Year Extended Compressor Warranty		Unit size	DIMENSIONS (IN)					
	Ingersoll Rand	Copeland Discus	+25 SST	-20 SST			Suction Accumulator	Oil Separator	Repl Core Suct Filter	Pressure fan cycling	Suction filter Sealed	Copeland Discus			L	W	H	Ship wt. (lbs)		
												IR	Discus							
CS*0100H2	IR4C1761S	3DB3R12ME	105.4	-	\$18,960	\$19,450	\$19,860	\$1,770	\$1,520	\$2,780	\$1,420	NA	\$940	\$2,490	\$2,490	A	92.00	45.25	51.50	1,564
CS*0150H2	IR4C2397S	3DS3R17ME	141.5	-	\$21,100	\$21,680	\$22,160	\$1,770	\$1,520	\$2,780	\$1,420	\$930	\$940	\$3,770	\$3,770	B	146.00	45.25	51.50	1,848
CS*0200H2	IR4B2707P	4DA3R18ME	151.4	-	\$23,830	\$24,600	\$25,140	\$1,770	\$1,520	\$2,860	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,931
CS*0250H2	IR4B3139P	4DH3R22ME	195.9	-	\$28,960	\$29,770	\$30,390	\$1,890	\$1,520	\$2,860	\$1,420	\$930	\$940	\$5,120	\$5,120	B	146.00	45.25	51.50	2,064
CS*0300H2	IR4B3604P	4DJ3R28ME	228.8	-	\$35,880	\$36,730	\$37,500	\$1,950	\$1,520	\$2,860	\$1,420	\$930	\$940	\$5,850	\$5,850	B	146.00	45.25	51.50	2,173
CS*0350H2	IR6B4709P	6DH3R35ME	281.1	-	\$40,850	\$41,750	\$42,640	\$1,950	\$1,520	\$3,570	\$1,420	\$1,470	\$940	\$5,900	\$5,900	C	200.00	45.25	51.50	2,656
CS*0400H2	IR6B5406P	6DJ3R40ME	336.3	-	\$44,670	\$45,610	\$46,580	\$2,000	\$1,520	\$3,570	\$1,420	\$1,470	\$940	\$6,550	\$6,550	C	200.00	45.25	51.50	2,787
CS*0500H2	IR6B6462P	8DP1-5000	428.3	-	\$60,050	\$62,020	\$63,340	\$2,000	\$1,980	\$4,380	\$1,840	\$930	\$1,300	\$8,320	\$8,320	D	146.00	90.50	51.50	3,330
CS*0600H2	IR8C7863P**	8DS1-6000	497.8	-	\$70,380	\$71,900	\$73,440	\$2,080	\$1,980	\$4,380	\$1,840	\$1,470	\$1,300	\$10,050	\$10,050	E	200.00	90.50	51.50	3,950
CS*0150M4	IR4C2397S	3DS3R17ME	144.4	-	\$21,100	\$21,680	\$22,160	\$1,770	\$1,520	\$2,780	\$1,420	\$930	\$940	\$3,770	\$3,770	B	146.00	45.25	51.50	1,834
CS*0200M4	IR4B2707P	4DA3R18ME	151.0	-	\$23,830	\$24,600	\$25,140	\$1,770	\$1,520	\$2,780	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,882
CS*0250M4	IR4B3139P	4DH3R22ME	193.5	-	\$28,960	\$29,770	\$30,390	\$1,890	\$1,520	\$2,780	\$1,420	\$930	\$940	\$5,120	\$5,120	B	146.00	45.25	51.50	2,002
CS*0300M4	IR4B3604P	4DJ3R28ME	229.8	-	\$35,880	\$36,730	\$37,500	\$1,950	\$1,520	\$2,780	\$1,420	\$930	\$940	\$5,850	\$5,850	B	146.00	45.25	51.50	2,106
CS*0350M4	IR6B4709P	6DH3R35ME	280.1	-	\$40,850	\$41,750	\$42,640	\$2,000	\$1,520	\$2,860	\$1,420	\$1,470	\$940	\$5,900	\$5,900	C	200.00	45.25	51.50	2,511
CS*0400M4	IR6B5406P	6DJ3R40ME	340.6	-	\$44,670	\$45,610	\$46,580	\$2,000	\$1,980	\$2,860	\$1,420	NA	\$940	\$6,550	\$6,550	C	200.00	45.25	51.50	2,820
CS*0150L2	IR4B3139P	4DL3F63KE	-	61.4	\$28,730	\$29,500	\$30,110	\$1,770	INCL	\$2,860	\$1,420	NA	\$940	\$3,770	\$3,770	A	92.00	45.25	51.50	1,639
CS*0220L2	IR4B3604P	4DT3F76KE	-	73.7	\$31,580	\$32,460	\$33,150	\$1,770	INCL	\$2,860	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,885
CS*0270L2	IR6B4709P	6DL3F93KE	-	92.9	\$36,860	\$36,740	\$37,510	\$1,770	INCL	\$2,860	\$1,420	\$930	\$940	\$5,120	\$5,120	B	146.00	45.25	51.50	2,044
CS*0300L2	IR6B5406P	6DT3F11ME	-	109.0	\$40,760	\$41,090	\$41,950	\$1,770	INCL	\$2,860	\$1,420	\$930	\$940	\$5,850	\$5,850	B	146.00	45.25	51.50	2,069
CS*0150L4	IR4B3139P	4DL3F63KE	-	71.1	\$27,490	\$27,610	\$28,180	\$1,770	INCL	\$2,780	\$1,420	NA	\$940	\$3,770	\$3,770	A	92.00	45.25	51.50	1,639
CS*0220L4	IR4B3604P	4DT3F76KE	-	86.3	\$30,360	\$30,420	\$31,070	\$1,770	INCL	\$2,860	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,890
CS*0270L4	IR6B4709P	6DL3F93KE	-	107.9	\$35,330	\$35,460	\$36,210	\$1,890	INCL	\$2,860	\$1,420	\$930	\$940	\$5,120	\$5,120	B	146.00	45.25	51.50	2,056
CS*0300L4	IR6B5406P	6DT3F11ME	-	120.3	\$39,150	\$40,010	\$40,840	\$1,890	INCL	\$2,860	\$1,420	\$930	\$940	\$5,850	\$5,850	B	146.00	45.25	51.50	2,170

Oversized	Compressor Model		MBH@		List Price 230V (K) 460V (M) 575V(P)	Optional Htd Ins Receiver	O P T I O N S					Optional 4-Year Extended Compressor Warranty		Unit size	DIMENSIONS (IN)					
	Ingersoll Rand	Copeland Discus	+25 SST	-20 SS			Suction Accumulator	Oil Separator	Repl Core Suct Filter	Pressure fan Cycling	Suction filter sealed	Copeland Discus			L	W	H	Ship wt. (lbs)		
												IR	Discus							
CS*0101H2	IR4C1761S	3DB3R12ME	108.8	-	\$21,700	\$22,220	\$22,690	\$1,770	\$1,520	\$2,780	\$1,420	\$930	\$940	\$2,490	\$2,490	B	146.00	45.25	51.50	1,845
CS*0151H2	IR4C2397S	3DS3R17ME	143.7	-	\$22,650	\$23,220	\$23,730	\$1,890	\$1,520	\$2,780	\$1,420	\$930	\$940	\$3,770	\$3,770	B	146.00	45.25	51.50	1,945
CS*0201H2	IR4B2707P	4DA3R18ME	154.0	-	\$25,380	\$26,150	\$26,710	\$1,890	\$1,520	\$2,860	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	2,027
CS*0251H2	IR4B3139P	4DH3R22ME	198.9	-	\$30,450	\$31,260	\$31,930	\$1,890	\$1,520	\$2,860	\$1,420	\$1,470	\$940	\$5,120	\$5,120	C	200.00	45.25	51.50	2,448
CS*0301H2	IR4B3604P	4DJ3R28ME	234.2	-	\$38,140	\$39,000	\$39,840	\$1,950	\$1,520	\$2,860	\$1,420	\$1,470	\$940	\$5,850	\$5,850	C	200.00	45.25	51.50	2,587
CS*0351H2	IR6B4709P	6DH3R35ME	283.9	-	\$43,930	\$44,840	\$45,770	\$2,000	\$1,520	\$3,570	\$1,420	\$1,470	\$940	\$5,900	\$5,900	C	200.00	45.25	51.50	2,813
CS*0401H2	IR6B5406P	6DJ3R40ME	347.5	-	\$52,020	\$52,960	\$54,090	\$2,000	\$1,520	\$3,570	\$1,420	\$930	\$940	\$6,550	\$6,550	D	146.00	45.25	51.50	3,343
CS*0501H2	IR6B6462P	8DP1-5000	441.2	-	\$68,980	\$70,930	\$72,450	\$2,080	\$1,980	\$4,380	\$1,840	\$1,470	\$1,300	\$8,320	\$8,320	E	200.00	45.25	51.50	4,124
CS*0601H2	IR8C7863P**	8DS1-6000	514.1	-	\$84,530	\$86,060	\$87,870	\$2,170	\$1,980	\$4,380	\$1,840	\$1,470	\$1,300	\$10,050	\$10,050	E	200.00	45.25	51.50	4,367
CS*0151M4	IR4C2397S	3DS3R17ME	148.7	-	\$22,650	\$23,220	\$23,730	\$1,890	\$1,520	\$2,780	\$1,420	\$930	\$940	\$3,770	\$3,770	B	146.00	45.25	51.50	1,930
CS*0201M4	IR4B2707P	4DA3R18ME	156.8	-	\$25,380	\$26,150	\$26,710	\$1,890	\$1,520	\$2,780	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,979
CS*0251M4	IR4B3139P	4DH3R22ME	203.8	-	\$32,770	\$33,560	\$34,280	\$1,950	\$1,520	\$2,780	\$1,420	\$1,470	\$940	\$5,120	\$5,120	C	200.00	45.25	51.50	2,511
CS*0301M4	IR4B3604P	4DJ3R28ME	239.7	-	\$38,140	\$39,000	\$39,840	\$2,000	\$1,520	\$2,780	\$1,420	\$1,470	\$940	\$5,850	\$5,850	C	200.00	45.25	51.50	2,584
CS*0351M4	IR6B4709P	6DH3R35ME	304.5	-	\$47,780	\$48,670	\$49,710	\$2,000	\$1,520	\$2,860	\$1,420	\$930	\$940	\$5,900	\$5,900	D	146.00	45.25	51.50	3,099
CS*0401M4	IR6B5406P	6DJ3R40ME	354.2	-	\$48,940	\$49,890	\$50,950	\$2,080	\$1,980	\$2,860	\$1,420	\$930	\$940	\$6,550	\$6,550	D	146.00	45.25	51.50	3,380
CS*0151L2	IR4B3139P	4DL3F63KE	-	63.1	\$30,050	\$30,810	\$31,470	\$1,770	INCL	\$2,780	\$1,420	\$930	\$940	\$3,770	\$3,770	B	146.00	45.25	51.50	1,934
CS*0221L2	IR4B3604P	4DT3F76KE	-	74.6	\$33,110	\$34,010	\$34,720	\$1,770	INCL	\$2,860	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,947
CS*0271L2	IR6B4709P	6DL3F93KE	-	93.9	\$38,350	\$38,240	\$39,050	\$1,770	INCL	\$2,860	\$1,420	\$1,470	\$940	\$5,120	\$5,120	C	200.00	45.25	51.50	2,427
CS*0301L2	IR6B5406P	6DT3F11ME	-	111.6	\$44,570	\$44,900	\$45,850	\$1,890	INCL	\$2,860	\$1,420	\$1,470	\$940	\$5,850	\$5,850	C	200.00	45.25	51.50	2,580
CS*0151L4	IR4B3139P	4DL3F63KE	-	73.1	\$28,810	\$28,920	\$29,530	\$1,770	INCL	\$2,780	\$1,420	\$930	\$940	\$3,770	\$3,770	B	146.00	45.25	51.50	1,934
CS*0221L4	IR4B3604P	4DT3F76KE	-	88.3	\$31,900	\$31,950	\$32,630	\$1,890	INCL	\$2,860	\$1,420	\$930	\$940	\$4,590	\$4,590	B	146.00	45.25	51.50	1,987
CS*0271L4	IR6B4709P	6DL3F93KE	-	109.4	\$36,830	\$36,950	\$37,740	\$1,890	INCL	\$2,860	\$1,420	\$1,470	\$940	\$5,120	\$5,120	C	200.00	45.25	51.50	2,439
CS*0301L4	IR6B5406P	6DT3F11ME	-	123.4	\$41,430	\$42,270	\$43,160	\$1,950	INCL	\$2,860	\$1,420	\$1,470	\$940	\$5,850	\$5,850	C	200.00	45.25	51.50	2,617

\*-IR, Copeland Discus Compressor

\*\*-N/a on 230/3/60



**CD\* - Dual Compressor Models**  
Two independent refrigerant and electrical circuits

Standard High Temp	Compressor Model		MBH@		List Price	List Price	Optional Htd Ins	O P T I O N S					Optional 4-Year Extended Compressor Warranty		DIMENSIONS (IN)			Ship wt. (lbs)				
	Models	Copeland		+25 SST				-20 SST	230V(K),460 V(M)	575V(P)	Receiver	Suction Accumulator	Oil Separator	Repl Core Suct Filter	Pressure fan cycling	Suction filter sealed	Copeland		L	W	H	
		Ingersoll Rand	Discus														IR					Discus
CD*0100H2	(2) IR4C0770S	(2) 2DC3R53KE	43.2	-	\$23,740	\$24,250	\$3,540	\$3,040	\$5,540	\$2,970	NA	\$1,890	\$2,960	\$2,960	124.75	45.25	51.50	1,748				
CD*0150H2	(2) IR4C1145S	(2) 2CD3R78KE	63.7	-	\$32,280	\$32,950	\$3,540	\$3,040	\$5,540	\$2,970	NA	\$1,890	\$3,900	\$3,900	124.75	45.25	51.50	1,839				
CD*0160H2	(2) IR4C1145S	(2) 2DA3R89KE	73.8	-	\$34,690	\$35,460	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$3,900	\$3,900	178.75	45.25	51.50	2,378				
CD*0180H2	(2) IR4C1480S	(2) 3DA3R10ME	87.8	-	\$38,360	\$39,180	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$4,980	\$4,980	178.75	45.25	51.50	2,533				
CD*0200H2	(2) IR4C1761S	(2) 3DB3R12ME	105.4	-	\$43,340	\$44,260	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$4,980	\$4,980	178.75	45.25	51.50	2,660				
CD*0240H2	(2) IR4C2067S	(2) 3DF3R15ME	122.4	-	\$48,660	\$49,700	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$5,680	\$5,680	178.75	45.25	51.50	2,725				
CD*0300H2	(2) IR4C2397S	(2) 3DS3R17ME	141	-	\$51,730	\$52,830	\$3,540	\$3,040	\$5,540	\$2,970	\$1,470	\$1,890	\$7,540	\$7,540	232.75	45.25	51.50	3,115				
CD*0400H2	(2) IR4B2707P	(2) 4DA3R18ME	150.8	-	\$53,410	\$54,540	\$3,540	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	232.75	45.25	51.50	3,270				
CD*0500H2	(2) IR4B3139P	(2) 4DH3R22ME	192.3	-	\$62,470	\$63,800	\$3,750	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$10,240	\$10,240	232.75	45.25	51.50	3,509				
CD*0600H2	(2) IR4B3604P	(2) 4DJ3R28ME	228.8	-	\$70,480	\$71,970	\$3,890	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$11,700	\$11,700	146.00	45.25	51.50	3,906				
CD*0700H2	(2) IR6B4709P	(2) 6DH3R35ME	281.2	-	\$78,740	\$80,430	\$3,890	\$3,040	\$7,130	\$2,970	\$2,560	\$1,890	\$11,800	\$11,800	200.00	45.25	51.50	4,613				
CD*0800H2	(2) IR6B5406P	(2) 6DJ3R40ME	340.1	-	\$88,700	\$90,580	\$4,000	\$3,040	\$7,130	\$2,970	\$2,560	\$1,890	\$13,100	\$13,100	200.00	45.25	51.50	5,062				
CD*1000H2	(2) IR6B6462P	(2) 8DP1-5000	428.3	-	\$112,980	\$115,310	\$4,000	\$3,960	\$8,760	\$3,690	\$3,660	\$2,580	\$16,640	\$16,640	254.00	45.25	51.50	5,802				
CD*1200H2	(2) IR8C7863P**	(2) 8DS1-6000	500.9	-	\$130,890	\$134,320	\$4,140	\$3,960	\$8,760	\$3,690	\$4,750	\$2,580	\$20,100	\$20,100	308.00	45.25	51.50	6,705				
CD*0400M4	(2) IR4B2707P	(2) 4DA3R18ME	149.7	-	\$53,410	\$53,840	\$3,540	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	232.75	45.25	51.50	3,168				
CD*0500M4	(2) IR4B3139P	(2) 4DH3R22ME	188.2	-	\$62,470	\$63,100	\$3,750	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$10,240	\$10,240	232.75	45.25	51.50	3,381				
CD*0600M4	(2) IR4B3604P	(2) 4DJ3R28ME	229.9	-	\$70,480	\$71,970	\$3,890	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$11,700	\$11,700	146.00	90.50	51.50	3,776				
CD*0700M4	(2) IR6B4709P	(2) 6DH3R35ME	280.5	-	\$78,740	\$80,430	\$3,890	\$3,040	\$7,130	\$2,970	\$2,560	\$1,890	\$11,800	\$11,800	200.00	90.50	51.50	4,319				
CD*0800M4	(2) IR6B5406P	(2) 6DJ3R40ME	340.7	-	\$88,700	\$90,580	\$4,000	\$3,960	\$7,130	\$2,970	\$2,560	\$1,890	\$13,100	\$13,100	200.00	90.50	51.50	4,942				
CD*0440L2	(2) IR4B3604P	(2) 4DT3F76KE	-	73.5	\$61,820	\$63,130	\$3,540	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	232.75	45.25	51.50	3,167				
CD*0540L2	(2) IR6B4709P	(2) 6CD3F93KE	-	91.8	\$68,810	\$70,250	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$10,240	\$10,240	232.75	45.25	51.50	3,452				
CD*0600L2	(2) IR6B5406P	(2) 6DT3F11ME	-	109	\$75,130	\$76,720	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$11,700	\$11,700	146.00	90.50	51.50	3,688				
CD*0440L4	(2) IR4B3604P	(2) 4DT3F76KE	-	85.9	\$58,950	\$60,190	\$3,540	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	232.75	45.25	51.50	3,179				
CD*0540L4	(2) IR6B4709P	(2) 6CD3F93KE	-	106.1	\$65,930	\$67,310	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$10,240	\$10,240	232.75	45.25	51.50	3,477				
CD*0600L4	(2) IR6B5406P	(2) 6DT3F11ME	-	118.8	\$72,250	\$73,790	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$11,700	\$11,700	146.00	90.50	51.50	3,765				

Oversized High Temp	Compressor Model		MBH@		List Price	List Price	Optional Htd Ins	O P T I O N S					Optional 4-Year Extended Compressor Warranty		DIMENSIONS (IN)			Ship wt. (lbs)				
	Models	Copeland		+25 SST				-20 SST	230V(K),460V(M)	575V(P)	Receiver	Suction Accumulator	Oil Separator	Repl Core Suct Filter	Pressure fan cycling	Suction filter sealed	Copeland		L	W	H	
		Ingersoll Rand	Discus														IR					Discus
CD*0101H2	(2) IR4C0770S	(2) 2DC3R53KE	44.9	-	\$26,550	\$27,110	\$3,540	\$3,040	\$5,540	\$2,970	NA	\$1,890	\$2,960	\$2,960	124.75	45.25	51.50	1,812				
CD*0151H2	(2) IR4C1145S	(2) 2CD3R78KE	65.8	-	\$33,590	\$34,320	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$3,900	\$3,900	178.75	45.25	51.50	2,371				
CD*0161H2	(2) IR4C1145S	(2) 2DA3R89KE	75.2	-	\$36,240	\$37,030	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$3,900	\$3,900	178.75	45.25	51.50	2,440				
CD*0181H2	(2) IR4C1480S	(2) 3DA3R10ME	90.6	-	\$41,440	\$42,320	\$3,540	\$3,040	\$5,540	\$2,970	\$930	\$1,890	\$4,980	\$4,980	178.75	45.25	51.50	2,729				
CD*0201H2	(2) IR4C1761S	(2) 3DB3R12ME	105.4	-	\$47,140	\$48,150	\$3,540	\$3,040	\$5,540	\$2,970	\$1,470	\$1,890	\$4,980	\$4,980	232.75	45.25	51.50	3,077				
CD*0241H2	(2) IR4C2067S	(2) 3DF3R15ME	108.6	-	\$50,930	\$52,010	\$3,540	\$3,040	\$5,540	\$2,970	\$1,470	\$1,890	\$5,680	\$5,680	232.75	45.25	51.50	3,079				
CD*0301H2	(2) IR4C2397S	(2) 3DS3R17ME	142.2	-	\$54,800	\$55,980	\$3,750	\$3,040	\$5,540	\$2,970	\$1,470	\$1,890	\$7,540	\$7,540	232.75	45.25	51.50	3,277				
CD*0401H2	(2) IR4B2707P	(2) 4DA3R18ME	154.0	-	\$57,240	\$58,470	\$3,750	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	146.00	90.50	51.50	3,617				
CD*0501H2	(2) IR4B3139P	(2) 4DH3R22ME	198.9	-	\$65,760	\$67,160	\$3,750	\$3,040	\$5,700	\$2,970	\$2,560	\$1,890	\$10,240	\$10,240	200.00	90.50	51.50	4,204				
CD*0601H2	(2) IR4B3604P	(2) 4DJ3R28ME	234.2	-	\$75,890	\$77,510	\$3,890	\$3,040	\$5,700	\$2,970	\$2,560	\$1,890	\$11,700	\$11,700	200.00	90.50	51.50	4,477				
CD*0701H2	(2) IR6B4709P	(2) 6DH3R35ME	283.9	-	\$85,310	\$87,120	\$4,000	\$3,040	\$7,130	\$2,970	\$2,560	\$1,890	\$11,800	\$11,800	200.00	90.50	51.50	4,927				
CD*0801H2	(2) IR6B5406P	(2) 6DJ3R40ME	347.5	-	\$100,950	\$103,050	\$4,000	\$3,040	\$7,130	\$2,970	\$3,660	\$1,890	\$13,100	\$13,100	254.00	90.50	51.50	5,819				
CD*1001H2	(2) IR6B6462P	(2) 8DP1-5000	439.6	-	\$133,500	\$136,970	\$4,140	\$3,960	\$8,760	\$3,690	\$4,750	\$2,580	\$16,640	\$16,640	308.00	90.50	51.50	7,002				
CD*1201H2	(2) IR8C7863P**	(2) 8DS1-6000	514.1	-	\$145,840	\$148,880	\$4,350	\$3,960	\$8,760	\$3,690	\$5,840	\$2,580	\$20,100	\$20,100	362.00	90.50	51.50	7,859				
CD*0401M4	(2) IR4B2707P	(2) 4DA3R18ME	156.6	-	\$67,350	\$68,080	\$3,750	\$3,040	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	146.00	90.50	51.50	3,515				
CD*0501M4	(2) IR4B3139P	(2) 4DH3R22ME	203.8	-	\$72,160	\$73,700	\$3,890	\$3,040	\$5,700	\$2,970	\$2,560	\$1,890	\$10,240	\$10,240	200.00	90.50	51.50	4,329				
CD*0601M4	(2) IR4B3604P	(2) 4DJ3R28ME	239.7	-	\$75,890	\$77,510	\$4,000	\$3,040	\$5,700	\$2,970	\$2,560	\$1,890	\$11,700	\$11,700	200.00	90.50	51.50	4,474				
CD*0701M4	(2) IR6B4709P	(2) 6DH3R35ME	304.5	-	\$98,540	\$100,590	\$4,000	\$3,040	\$7,130	\$2,970	\$3,660	\$1,890	\$11,800	\$11,800	254.00	90.50	51.50	5,329				
CD*0801M4	(2) IR6B5406P	(2) 6DJ3R40ME	354.2	-	\$100,950	\$103,050	\$4,140	\$3,960	\$7,130	\$2,970	\$3,660	\$1,890	\$13,100	\$13,100	254.00	90.50	51.50	5,895				
CD*0441L2	(2) IR4B3604P	(2) 4DT3F76KE	-	74.0	\$64,890	\$66,270	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	232.75	90.50	51.50	3,261				
CD*0541L2	(2) IR6B4709P	(2) 6CD3F93KE	-	93.7	\$73,070	\$74,620	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$10,240	\$10,240	146.00	45.25	51.50	3,831				
CD*0601L2	(2) IR6B5406P	(2) 6DT3F11ME	-	111.6	\$84,060	\$85,850	\$3,750	INCL	\$5,700	\$2,970	\$2,560	\$1,890	\$11,700	\$11,700	200.00	90.50	51.50	4,452				
CD*0441L4	(2) IR4B3604P	(2) 4DT3F76KE	-	88.3	\$62,780	\$64,120	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$9,180	\$9,180	146.00	90.50	51.50	3,526				
CD*0541L4	(2) IR6B4709P	(2) 6CD3F93KE	-	109.0	\$70,200	\$71,670	\$3,750	INCL	\$5,700	\$2,970	\$1,470	\$1,890	\$10,240	\$10,240	146.00	90.50	51.50	3,788				
CD*0601L4	(2) IR6B5406P	(2) 6DT3F11ME	-	123.4	\$81,170	\$82,900	\$3,750	INCL	\$5,700	\$2,970	\$2,560	\$1,890	\$11,700	\$11,700	200.00	90.50	51.50	4,527				

\*-IR, Copeland Discus Compressor.  
\*\*-N/a on 230/3/60



**CP\* - Parallel Compressor Models**

*One refrigeration circuit with two compressors and one electrical circuit*

Standard High Temp	Compressor Model				Options			Optional 4-Year Extended Compressor Warranty		Unit size	DIMENSIONS (IN)						
	Models	Ingersoll Rand	Copeland Discus	MBH@		List Price	Heated & Insulated Receiver	Pressure fan cycling	Suction filter sealed		IR	Copeland Discus		L	W	H	Ship wt. (lbs)
				+25 SST	-20 SST							(Price for 2 Compressors)	(Price for 2 Compressors)				
						230V(K),460V(M)	575V(P)										
CP*0500H2	(2) IR4B3139P	(2) 4DH3R22ME	384.6	-	\$69,230	\$70,660	\$2,000	\$1,470	\$940	\$10,240	\$10,240	H	232.75	45.25	51.50	3,536	
CP*0600H2	(2) IR4B3604P	(2) 4DJ3R28ME	457.5	-	\$77,240	\$78,840	\$2,080	\$930	\$940	\$11,700	\$11,700	I	146.00	90.50	51.50	3,968	
CP*0700H2	(2) IR6B4709P	(2) 6DH3R35ME	562.3	-	\$85,490	\$87,290	\$2,080	\$1,470	\$940	\$11,800	\$11,800	J	200.00	90.50	51.50	4,675	
CP*0800H2	(2) IR6B5406P	(2) 6DJ3R40ME	680.1	-	\$95,110	\$97,110	\$2,710	\$1,470	\$1,300	\$13,100	\$13,100	J	200.00	90.50	51.50	5,163	
CP*1000H2	(2) IR6B6462P	(2) 8DP1-5000	856.5	-	\$119,370	\$121,830	\$2,710	\$2,020	\$1,300	\$16,640	\$16,640	K	254.00	90.50	51.50	5,923	
CP*1200H2	(2) IR8C7863P**	(2) 8DS1-6000	1001.7	-	\$137,990	\$140,830	\$4,140	\$2,560	\$1,300	\$20,100	\$20,100	L	308.00	90.50	51.50	6,812	
CP*0500M4	(2) IR4B3139P	(2) 4DH3R22ME	376.3	-	\$69,230	\$70,660	\$2,000	\$1,470	\$940	\$10,240	\$10,240	H	232.75	45.25	51.50	3,410	
CP*0600M4	(2) IR4B3604P	(2) 4DJ3R28ME	459.6	-	\$77,240	\$78,840	\$2,080	\$930	\$940	\$11,700	\$11,700	I	146.00	90.50	51.50	3,833	
CP*0700M4	(2) IR6B4709P	(2) 6DH3R35ME	561.0	-	\$85,490	\$87,290	\$2,080	\$1,470	\$940	\$11,800	\$11,800	J	200.00	90.50	51.50	4,397	
CP*0800M4	(2) IR6B5406P	(2) 6DJ3R40ME	681.3	-	\$95,450	\$97,450	\$2,710	\$1,470	\$940	\$13,100	\$13,100	J	200.00	90.50	51.50	5,058	
CP*0440L2	(2) IR4B3604P	(2) 4DT3F76KE	-	146.9	\$68,570	\$69,990	\$1,830	\$1,470	\$940	\$9,180	\$9,180	H	232.75	45.25	51.50	3,164	
CP*0540L2	(2) IR4B4709P	(2) 6DL3F93KE	-	183.6	\$75,550	\$77,110	\$2,000	\$1,470	\$940	\$10,240	\$10,240	H	232.75	45.25	51.50	3,512	
CP*0600L2	(2) IR6B5406P	(2) 6DT3F11ME	-	218.0	\$81,540	\$83,240	\$2,000	\$930	\$1,300	\$11,700	\$11,700	I	146.00	90.50	51.50	3,769	
CP*0440L4	(2) IR4B3604P	(2) 4DT3F76KE	-	171.8	\$65,340	\$66,690	\$1,830	\$1,470	\$1,300	\$9,180	\$9,180	H	232.75	45.25	51.50	3,167	
CP*0540L4	(2) IR4B4709P	(2) 6DL3F93KE	-	212.1	\$72,320	\$73,820	\$2,000	\$1,470	\$1,300	\$10,240	\$10,240	H	232.75	45.25	51.50	3,453	
CP*0600L4	(2) IR6B5406P	(2) 6DT3F11ME	-	237.5	\$78,660	\$80,300	\$2,000	\$930	\$1,300	\$11,700	\$11,700	I	146.00	90.50	51.50	3,772	

Oversized High Temp	Compressor Model				Options			Extended Compressor Warranty		Unit size	DIMENSIONS (IN)						
	Models	Ingersoll Rand	Copeland Discus	MBH@		List Price	Heated & Insulated Receiver	Pressure fan cycling	Suction filter sealed		IR	Copeland Discus		L	W	H	Ship wt. (lbs)
				+25 SST	-20 SST							(Price for 2 Compressors)	(Price for 2 Compressors)				
						230V(K),460V(M)	575V(P)										
CP*0501H2	(2) IR4B3139P	(2) 4DH3R22ME	397.8	-	\$71,310	\$72,820	\$2,000	\$1,470	\$940	\$10,240	\$10,240	J	200.00	90.50	51.50	4,231	
CP*0601H2	(2) IR4B3604P	(2) 4DJ3R28ME	468.4	-	\$82,640	\$84,380	\$2,080	\$1,470	\$940	\$11,700	\$11,700	J	200.00	90.50	51.50	4,539	
CP*0701H2	(2) IR6B4709P	(2) 6DH3R35ME	567.7	-	\$92,060	\$93,980	\$2,170	\$1,470	\$940	\$11,800	\$11,800	J	200.00	90.50	51.50	4,905	
CP*0801H2	(2) IR6B5406P	(2) 6DJ3R40ME	694.9	-	\$107,360	\$109,580	\$2,710	\$2,020	\$1,300	\$13,100	\$13,100	K	254.00	90.50	51.50	5,920	
CP*1001H2	(2) IR6B6462P	(2) 8DP1-5000	879.1	-	\$140,600	\$143,480	\$4,140	\$2,560	\$1,300	\$16,640	\$16,640	L	308.00	90.50	51.50	7,109	
CP*1201H2	(2) IR8C7863P**	(2) 8DS1-6000	1028.2	-	\$152,950	\$156,090	\$4,350	\$3,120	\$1,300	\$20,100	\$20,100	M	362.00	90.50	51.50	7,966	
CP*0501M4	(2) IR4B3139P	(2) 4DH3R22ME	407.5	-	\$71,310	\$72,820	\$2,080	\$1,470	\$940	\$10,240	\$10,240	J	200.00	90.50	51.50	4,389	
CP*0601M4	(2) IR4B3604P	(2) 4DJ3R28ME	479.4	-	\$82,640	\$84,380	\$2,170	\$1,470	\$940	\$11,700	\$11,700	J	200.00	90.50	51.50	4,448	
CP*0701M4	(2) IR6B4709P	(2) 6DH3R35ME	609	-	\$92,900	\$94,820	\$2,710	\$2,020	\$1,300	\$11,800	\$11,800	K	254.00	90.50	51.50	5,412	
CP*0801M4	(2) IR6B5406P	(2) 6DJ3R40ME	708.4	-	\$107,360	\$109,580	\$2,710	\$2,020	\$1,300	\$13,100	\$13,100	K	254.00	90.50	51.50	5,816	
CP*0441L2	(2) IR4B3604P	(2) 4DT3F76KE	-	147.9	\$71,650	\$73,130	\$2,000	\$1,470	\$940	\$9,180	\$9,180	H	232.75	45.25	51.50	3,320	
CP*0541L2	(2) IR4B4709P	(2) 6DL3F93KE	-	187.3	\$79,830	\$81,480	\$2,080	\$930	\$940	\$10,240	\$10,240	I	146.00	90.50	51.50	3,823	
CP*0601L2	(2) IR6B5406P	(2) 6DT3F11ME	-	223.2	\$90,470	\$92,370	\$2,080	\$1,470	\$1,300	\$11,700	\$11,700	J	200.00	90.50	51.50	4,465	
CP*0441L4	(2) IR4B3604P	(2) 4DT3F76KE	-	176.6	\$69,180	\$70,630	\$2,000	\$930	\$1,300	\$9,180	\$9,180	I	146.00	90.50	51.50	3,509	
CP*0541L4	(2) IR4B4709P	(2) 6DL3F93KE	-	217.9	\$76,590	\$78,190	\$2,080	\$930	\$1,300	\$10,240	\$10,240	I	146.00	90.50	51.50	3,872	
CP*0601L4	(2) IR6B5406P	(2) 6DT3F11ME	-	246.8	\$87,580	\$89,420	\$2,080	\$1,470	\$1,300	\$11,700	\$11,700	J	200.00	90.50	51.50	4,566	

\*-IR, Copeland Discus Compressor

\*\*-N/a on 230/3/60



## CONDENSING UNITS--RECEIVER SIZING

This document serves to define how Krack sizes condensing unit receivers and how to verify the sizing against the required system charge.

The receiver is sized (at 80% full, 90°F liquid) to handle the sum of the following:

Winter flooding charge (assuming -20°F ambient design)

100 feet of liquid line

Liquid charge of a single evaporator (up to 1/2" OD tubing) selected at a 10°F TD

$$\text{Receiver Volume} = \text{Flooding Charge} + \text{Liquid Line} + \text{Evaporator Charge}$$

The receiver pumpdown capacity (volume) should be compared to the required system charge whenever any of the following occurs:

MultiCPE evaporators are matched to one compressor

Any Industrial evaporator is used (tubing larger than 1/2" OD)

Liquid line is known to exceed 100 feet in length

### Winter Flooding Charge

Winter flooding charge is defined as the additional refrigerant that must be added to the system to flood the condenser for winter operation. The charge can be obtained from the Condensing Unit O&I manual or from Table 4.

$$\text{Winter Flooding Charge} = \text{Winter Charge} - \text{Summer Charge}$$

### Liquid Line Charge

The weight of the refrigerant in a liquid line per 100 feet is shown in Table 1.

TABLE 1	Liquid Line Refrigerant Weight During Operation					
	(Pounds per 100 lineal feet of type "L" tubing)					
Refrigerant	1/2" OD	5/8" OD	7/8" OD	1-1/8" OD	1-3/8" OD	1-5/8" OD
R-22	7.4	11.8	24.4	41.6	63.5	90
R-404a/507	6.4	10.3	21.2	36.1	55	78

### Evaporator Charge

The evaporator liquid charge is estimated to be between 15% and 30% of the coil volume, with the density of the refrigerant taken at the saturated suction temperature of the coil.

See Table 2 for refrigerant densities at varying temperatures.

$$\text{Evaporator Liquid Charge} = \text{Evaporator Coil Volume} \times 0.30 \times \text{Density}$$

TABLE 2	Density Table (lb/cu ft)			
	Liquid Temperature (°F)			
Refrigerant	-20°F	0°F	20°F	90°F
R-22	85.8	83.6	81.4	72.5
R-404a/507	77.3	74.9	72.3	60.4

### Receiver Size and Pricing

If the receiver requires up sizing see Table 3 for receiver capacity chart and pricing.

#### EXAMPLE:

Verify the receiver sizing for the following matched system:

(1) CS0300H2M Condensing Unit (10-3/4" x 48" Receiver, 128 lbs @ 80%)

(1) PCC3L-608-4-2-DXV-ECD (7.5 cu ft coil volume)

#### Step 1: Determine the Winter Flooding Charge

From Table 3, or CS O&I Manual, calculate the difference in operating charge between +70°F and -20°F (adjust temperatures per the location):

$$\text{Winter Flooding Charge} = 95.3 - 53.2 = 42.1 \text{ lbs R-22}$$



## CONDENSING UNITS--RECEIVER SIZING

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Winter flooding charge (assuming -20°F ambient design)

100 feet of liquid line

Liquid charge of a single evaporator (up to 1/2" OD tubing) selected at a 10°F TD

### **Step 2: Determine the Liquid Line Charge**

If the actual length is not known, use the best judgement in determining length of liquid line.

Also, the liquid line should be sized based on line sizing charts for the application, not just the liquid line connection on the condensing unit. For this example 100 feet of 7/8" OD tubing is assumed:

*From Table 1, 24.4 lbs of R-22*

### **Step 3: Determine the Evaporator Charge**

Evaporator coil volume is 7.5 cu ft. Multiplied by percent of coil assumed to be liquid and the density (Table 2) of the liquid refrigerant (-20°F):

*Evaporator Liquid Charge = 7.5 cu ft x 0.30 x 85.8 lb/cu ft = 193.0 lbs R-22*

### **Step 4: Calculate the total charge required for receiver volume**

**Required Charge = 42.1 + 24.4 + 193.0 = 259.5 lbs R-22**

Receiver volume is 128 lbs. Therefore the standard receiver is NOT adequate.

The correct receiver for the application from Table 3 is the 10-3/4" x 96" vessel.

**Price Adder = "F" Recr**

**\$2,371 - "D" Recvr \$1,251**  
**= \$1,120 List**

Receiver	Recr Size	Receiver Capacity 80% Full		List Price	Htd & Ins List Price
		R-22	R-404a/507		
A	8-5/8 x 28	48	43	\$1,260	\$1,580
B	8-5/8 x 48	84	75	\$1,480	\$1,770
C	8-5/8 x 60	106	94	\$1,600	\$1,890
D	10-3/4 x 48	128	114	\$1,650	\$1,950
E	10-3/4 x 72	195	174	\$2,790	\$2,000
F	10-3/4 x 96	262	233	\$3,110	\$2,080
G	10-3/4 x 108	295	263	\$3,590	\$2,170
H	10-3/4 x 144	390	347	\$4,220	\$2,710

Drawing Letter	Maximum Length of Receiver
A	48"
B	108"
C	144"
D	108"
E	144"
F	48"
G	108"
H	144"
I	108"
J	144"
K	144"
L	144"
M	144"

*The list price add for an OVERSIZED RECEIVER is obtained by subtracting the list price of the original receiver from the list price of the larger receiver.*

*The list price add to HEAT & INSULATE a receiver is the full price shown next to the corresponding receiver size.*

**SEE TABLE 3b FOR MAXIMUM RECEIVER SIZE PER CONDENSER LENGTH**

### **Table 3b**

*Refer to condensing unit drawing letter shown on the right-hand side of each page in brochure SPCD-1104.*



## CONDENSING UNITS--RECEIVER SIZING

This document serves to define how Krack sizes condensing unit receivers and how to verify the sizing against the required system charge.

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Winter flooding charge (assuming -20°F ambient design)

100 feet of liquid line

Liquid charge of a single evaporator (up to 1/2" OD tubing) selected at a 10°F TD

**TABLE 4a CS\* Unit Refrigerant Charge**

Model	Refrigerant	REFRIGERANT CHARGE - LBS					Below -20°F
		Above 70°F	50°F	30°F	10°F	0°F	
CS*0100H2	R-22	29.1	39.8	43.6	45.9	46.8	48.4
CS*0150H2	R-22	31.6	37.3	44.8	49.0	50.6	53.1
CS*0200H2	R-22	31.6	37.3	44.8	49.0	50.6	53.1
CS*0250H2	R-22	42.4	50.7	61.9	68.2	70.5	74.2
CS*0300H2	R-22	53.2	64.2	79.0	87.4	90.4	95.3
CS*0350H2	R-22	55.7	58.6	71.9	84.0	88.5	95.4
CS*0400H2	R-22	72.5	76.0	89.6	101.9	106.6	113.7
CS*0500H2	R-22	80.6	97.0	119.3	131.8	136.4	143.7
CS*0600H2	R-22	97.1	101.8	120.0	136.4	142.6	152.2
CS*0101H2	R-22	31.6	42.4	48.3	51.6	53.0	55.5
CS*0151H2	R-22	42.4	58.4	67.1	72.1	74.1	77.8
CS*0201H2	R-22	42.4	58.4	67.1	72.1	74.1	77.8
CS*0251H2	R-22	42.3	48.0	60.6	67.1	69.5	73.4
CS*0301H2	R-22	55.7	63.9	82.7	92.4	95.9	101.7
CS*0351H2	R-22	80.4	91.5	116.6	129.7	134.5	142.2
CS*0401H2	R-22	91.2	132.9	155.9	168.7	173.8	183.5
CS*0501H2	R-22	112.9	129.4	166.9	186.4	193.5	205.0
CS*0601H2	R-22	137.0	158.4	208.2	234.0	243.3	258.4
CS*0150L2	R-22	31.8	52.0	55.0	56.9	57.7	59.2
CS*0220L2	R-22	31.6	47.5	51.8	54.1	55.2	57.1
CS*0270L2	R-22	36.9	60.3	66.6	70.0	71.5	74.1
CS*0300L2	R-22	36.9	60.3	66.6	70.0	71.5	74.1
CS*0151L2	R-22	36.9	60.3	66.6	70.0	71.5	74.1
CS*0221L2	R-22	36.9	60.3	66.6	70.0	71.5	74.1
CS*0271L2	R-22	36.8	53.8	62.1	66.5	68.4	71.4
CS*0301L2	R-22	50.2	75.6	87.9	94.4	97.3	101.6
CS*0150M4	R-404a	27.9	33.4	40.2	44.2	45.7	48.1
CS*0200M4	R-404a	27.9	33.4	40.2	44.2	45.7	48.1
CS*0250M4	R-404a	37.4	45.4	55.6	61.5	63.6	67.1
CS*0300M4	R-404a	46.9	57.4	70.9	78.7	81.6	86.1
CS*0350M4	R-404a	42.2	45.0	53.3	60.9	63.8	68.2
CS*0400M4	R-404a	70.8	75.7	91.9	106.8	112.5	121.0
CS*0151M4	R-404a	37.4	52.1	60.2	64.9	66.8	70.3
CS*0201M4	R-404a	37.4	52.1	60.2	64.9	66.8	70.3
CS*0251M4	R-404a	49.0	57.1	74.1	83.2	86.5	91.8
CS*0301M4	R-404a	63.9	72.9	90.2	99.6	103.1	108.7
CS*0351M4	R-404a	71.0	100.2	116.3	125.7	129.4	136.4
CS*0401M4	R-404a	95.1	134.1	155.6	168.1	173.1	182.4
CS*0150L4	R-404a	29.5	43.7	47.5	50.0	50.8	52.5
CS*0220L4	R-404a	29.3	37.9	43.3	46.6	47.9	50.3
CS*0270L4	R-404a	39.5	52.1	60.2	64.9	66.8	70.3
CS*0300L4	R-404a	44.8	61.2	71.8	77.9	80.4	84.9
CS*0151L4	R-404a	29.3	42.4	46.4	48.8	49.8	51.6
CS*0221L4	R-404a	39.5	58.9	64.8	68.3	69.8	72.4
CS*0271L4	R-404a	39.4	53.1	60.9	65.2	67.1	70.0
CS*0301L4	R-404a	52.2	72.4	83.9	90.2	93.0	97.1



## CONDENSING UNITS--RECEIVER SIZING

This document serves to define how Krack sizes condensing unit receivers and how to verify the sizing against the required system charge.

The receiver is sized (at 80% full, 90°F liquid) to handle the sum of the following:

Winter flooding charge (assuming -20°F ambient design)

100 feet of liquid line

Liquid charge of a single evaporator (up to 1/2" OD tubing) selected at a 10°F TD

**TABLE 4b CD\* Unit Refrigerant Charge \***

Model	Refrigerant	REFRIGERANT CHARGE - LBS					Below -20°F
		Above 70°F	50°F	30°F	10°F	0°F	
CD*0100H2	R-22	14.7	18.5	19.8	20.7	21.0	21.6
CD*0150H2	R-22	17.4	24.5	27.0	28.5	29.0	30.0
CD*0160H2	R-22	17.3	20.2	24.0	26.1	26.9	28.2
CD*0180H2	R-22	17.3	20.2	24.0	26.1	26.9	28.2
CD*0200H2	R-22	29.0	33.4	39.1	42.4	43.6	45.6
CD*0240H2	R-22	31.6	37.3	44.8	49.0	50.6	53.1
CD*0300H2	R-22	32.9	34.5	41.2	47.3	49.6	53.2
CD*0400H2	R-22	32.9	34.5	41.2	47.3	49.6	53.2
CD*0500H2	R-22	42.3	44.4	53.4	61.5	64.6	69.2
CD*0600H2	R-22	53.2	64.2	79.0	87.4	90.4	95.3
CD*0700H2	R-22	55.7	58.6	71.9	84.0	88.5	95.4
CD*0800H2	R-22	80.4	84.5	102.3	118.5	124.6	133.8
CD*1000H2	R-22	80.3	83.9	89.7	109.1	117.5	126.4
CD*1200H2	R-22	104.8	108.7	110.6	130.4	144.0	155.1
CD*0101H2	R-22	17.4	26.0	28.0	29.3	29.8	30.7
CD*0151H2	R-22	17.3	22.7	25.7	27.4	28.1	29.4
CD*0161H2	R-22	20.0	27.9	32.3	34.7	35.7	37.5
CD*0181H2	R-22	31.6	42.4	48.3	51.6	53.0	55.5
CD*0201H2	R-22	32.9	37.1	46.6	51.6	53.4	56.3
CD*0241H2	R-22	32.9	37.1	46.6	51.6	53.4	56.3
CD*0301H2	R-22	42.3	48.0	60.6	67.1	69.5	73.4
CD*0401H2	R-22	42.4	58.4	67.1	72.1	74.1	77.8
CD*0501H2	R-22	42.3	48.0	60.6	67.1	69.5	73.4
CD*0601H2	R-22	55.7	63.9	82.7	92.4	95.9	101.7
CD*0701H2	R-22	80.4	91.5	116.6	129.7	134.5	142.2
CD*0801H2	R-22	90.8	95.9	126.1	145.9	152.3	164.1
CD*1001H2	R-22	117.9	122.3	147.4	176.9	186.1	203.1
CD*1201H2	R-22	136.6	141.6	157.9	198.1	209.5	231.5
CD*0440L2	R-22	23.9	36.5	42.7	45.9	47.3	49.4
CD*0540L2	R-22	27.8	44.5	52.6	56.9	58.7	61.5
CD*0600L2	R-22	36.9	60.3	66.6	70.0	71.5	74.1
CD*0441L2	R-22	27.8	44.5	52.6	56.9	58.7	61.5
CD*0541L2	R-22	33.2	63.8	71.9	76.1	78.0	81.2
CD*0601L2	R-22	44.7	69.9	82.1	88.5	91.3	95.5
CD*0400M4	R-404a	29.0	30.9	37.1	42.7	44.9	48.1
CD*0500M4	R-404a	37.3	39.8	48.0	55.5	58.4	62.7
CD*0600M4	R-404a	46.9	57.4	70.9	78.7	81.6	86.1
CD*0700M4	R-404a	42.2	45.0	53.3	60.9	63.8	68.2
CD*0800M4	R-404a	70.8	75.7	91.9	106.8	112.5	121.0
CD*0401M4	R-404a	37.4	52.1	60.2	64.9	66.8	70.3
CD*0501M4	R-404a	49.0	51.7	74.1	83.2	86.5	91.8
CD*0601M4	R-404a	63.9	72.9	90.2	99.6	103.1	108.7
CD*0701M4	R-404a	70.7	75.8	96.5	110.4	115.0	123.4
CD*0801M4	R-404a	94.7	101.5	129.2	147.7	153.9	165.0
CD*0440L4	R-404a	30.5	33.3	41.9	46.5	48.2	51.0
CD*0540L4	R-404a	39.4	42.9	54.4	60.5	62.8	66.4
CD*0600L4	R-404a	39.5	52.1	60.2	64.9	66.8	70.3
CD*0441L4	R-404a	39.5	58.9	64.8	68.3	69.8	72.4
CD*0541L4	R-404a	44.8	70.2	78.0	82.4	84.3	87.6
CD*0601L4	R-404a	52.2	72.4	83.9	90.2	93.0	97.1

\* All units have two refrigerant circuits. Refrigerant charge shown is per circuit.



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The receiver is sized (at 80% full, 90°F liquid) to handle the sum of the following:

Winter flooding charge (assuming -20°F ambient design)

100 feet of liquid line

Liquid charge of a single evaporator (up to 1/2" OD tubing) selected at a 10°F TD

**TABLE 4c CP\* Unit Refrigerant Charge**

Model	Refrigerant	REFRIGERANT CHARGE - LBS					Below -20°F
		Above 70°F	50°F	30°F	10°F	0°F	
CP*0500H2	R-22	80.4	84.5	102.3	118.5	124.6	133.8
CP*0600H2	R-22	107.9	129.9	159.7	176.3	182.4	192.2
CP*0700H2	R-22	112.9	118.8	145.4	169.5	178.6	192.4
CP*0800H2	R-22	160.7	168.9	204.6	236.9	249.1	267.7
CP*1000H2	R-22	160.5	167.8	179.5	218.3	235.0	252.8
CP*1200H2	R-22	144.1	149.5	152.1	190.6	217.3	238.3
CP*0501H2	R-22	80.4	91.5	116.6	129.7	134.5	142.2
CP*0601H2	R-22	112.9	129.4	166.9	186.4	193.5	205.0
CP*0701H2	R-22	137.0	158.4	208.2	234.0	243.3	258.4
CP*0801H2	R-22	181.5	191.9	252.3	291.7	304.7	328.2
CP*1001H2	R-22	170.3	176.7	225.6	283.6	301.5	334.3
CP*1201H2	R-22	199.4	206.8	237.9	317.1	339.3	382.1
CP*0440L2	R-22	44.7	69.9	82.1	88.5	91.3	95.5
CP*0540L2	R-22	52.6	85.9	102.1	110.5	114.2	119.7
CP*0600L2	R-22	58.3	104.5	116.8	123.3	126.2	131.2
CP*0441L2	R-22	52.6	85.9	102.1	110.5	114.2	119.7
CP*0541L2	R-22	63.4	124.5	140.6	149.1	152.8	159.1
CP*0601L2	R-22	73.9	123.6	147.9	160.4	165.9	174.1
CP*0500M4	R-404a	70.8	75.7	91.9	106.8	112.5	121.0
CP*0600M4	R-404a	95.1	116.1	143.2	158.8	164.6	173.7
CP*0700M4	R-404a	85.7	91.4	108.0	123.2	129.1	137.9
CP*0800M4	R-404a	141.6	151.4	183.9	213.6	225.0	242.1
CP*0501M4	R-404a	99.4	115.7	149.6	167.8	174.5	185.2
CP*0601M4	R-404a	106.7	123.4	157.6	175.9	182.7	193.5
CP*0701M4	R-404a	141.4	149.2	193.0	220.8	230.1	246.8
CP*0801M4	R-404a	159.6	171.6	226.1	262.5	274.6	296.3
CP*0440L4	R-404a	52.2	57.1	74.1	83.2	86.5	91.8
CP*0540L4	R-404a	75.0	81.9	104.6	116.9	121.4	128.6
CP*0600L4	R-404a	75.2	100.2	116.3	125.7	129.4	136.4
CP*0441L4	R-404a	75.2	113.7	125.6	132.4	135.4	140.5
CP*0541L4	R-404a	100.7	152.1	167.9	177.0	181.0	187.9
CP*0601L4	R-404a	105.7	146.3	169.3	150.9	187.5	195.8

*\*-IR or Copeland Discus Compressors*



**LARGE CONDENSING UNIT OPTIONS**

**Defrost Kits (Mounted)**

<u>Kit</u>	<u>Description</u>	<u>List Price*</u>
A-1	Air Defrost Timer	\$420
A-2	Air Defrost Timer, Fused Evaporator Fan Contactor	\$730
E-1	Electric Defrost Timer, 230V, 1 phase heaters only, 230V, 1 phase motors only	\$420
E-2	Electric Defrost Timer, Fused Heater Contactor up to 48A, 230V, 1 phase motors only	\$880
E-3	Electric Defrost Timer, Fused Heater Contactor up to 48A, Fused Evaporator Fan Contactor up to 12A	\$1,290
E-4	Electric Defrost Timer, Fused Heater Contactor(s) up to 144A, Fused Evaporator Fan Contactor up to 24A	\$1,770

\* Note: For Dual (CD) units, add option per circuit (2x).  
For 230V evaporators on 460V condensing units, consult factory.

**Large Condensing Unit Electrical Options:**

<u>Non-Fused Disconnect (mounted)</u>	<u>List Price*</u>	<u>Fused Disconnect Shipped Loose</u>	<u>List Price*</u>	
			<u>230V (K)</u>	<u>460V (M)</u>
60A	\$1,310	60A	\$1,140	\$1,240
100A	\$1,590	100A	\$1,650	\$2,280
175A	\$2,380			
200A	\$2,530	200A	\$2,060	\$2,800
400A	\$5,070	400A	\$5,130	\$6,770
600+	consult factory	600+	consult factory	

\* Note: For Dual (CD) units, there is a single point power connect. Add amperage for entire unit (include evaporator and / or heater as required). Select a single disconnect for amperage required.

<u>Other Options</u>	<u>List Price*</u>
115 VOLT CONTROL CIRCUIT	\$470
PHASE LOSS MONITOR	\$990
ANTI-SHORT CYCLE TIME DELAY RELAY	\$710
SAFE START TIME DELAY (bypass low pressure control)	\$710
CURRENT SENSING RELAY	\$710
OIL RESERVOIR (for use with oil separator)	\$2,300
LIQUID LINE SOLENOID VALVE INSTALLED (5 - 22 H.P.)	\$750
LIQUID LINE SOLENOID VALVE INSTALLED (22 - 60 H.P.)	\$1,070
GAUGE KIT (HIGH / LOW / OIL PRESSURE)	\$1,380
COMPRESSOR UNLOADING	consult factory
HOT GAS BYPASS	consult factory
HEAT RECLAIM VALVE	consult factory
DISCHARGE LINE CHECK VALVE	consult factory
ISOLATION BALL VALVES	consult factory

\* Note: For Dual (CD) units, add option per circuit (2x).

<u>Low Noise Fan</u>	
1x1	\$490
1x2	\$980
1x3	\$1,470
1x4	\$1,960
1x5	\$2,450
1x6	\$2,940
2x2	\$1,960
2x3	\$2,940
2x4	\$3,920
2x5	\$4,900
2x6	\$5,880

<u>Access Doors</u>	
1 fan	\$140
2x1 or 2x2	\$280
3x1 or 3x2	\$420
4x1 or 4x2	\$560
5x1 or 5x2	\$700
6x1 or 6x2	\$840