

LIST PRICES
4 - 12 HP "KS" KRAMER SAVER
4 - 12 HP "CTT" THERMOBANK
CONDENSING UNITS

ALL PRODUCTS, EXCEPT SURFACE COILS AND PARTS, ARE SHIPPED F.O.B. POINT OF SHIPMENT WITH FULL FREIGHT ALLOWED ON SINGLE ORDERS WITH A NET PRICE VALUE OF \$7000 OR MORE, WITHIN THE CONTINENTAL USA (EXCLUDING ALASKA AND HAWAII). ANY ADDITIONAL COSTS INCURRED FOR SPECIAL ROUTING AND HANDLING REQUESTS WILL BE INVOICED.

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AIR DEFROST - KRAMER SAVER 5 - 10HP

REFR.	MODEL "KS"	BASIC UNIT			(1) SUCT. ACCUM.	(1) OIL SEP.	EC Motor Adder †	NON FUSED (2) DISCONNECT		
		230/3	460/3	575/3				230V	460V	575V
R-407C	KS20500M44	\$22,835	\$24,104	\$24,574	\$676	\$1,143	\$922	\$1,542	\$1,659	\$1,659
	KS20700M44	27,813	29,535	30,089	676	1,223	922	1,759	2,027	2,027
R-507	KS20800M44	31,656	33,341	33,981	676	1,223	922	1,759	2,027	2,027
R-404A	KS21000M44	33,869	34,548	35,232	990	1,223	922	1,759	2,027	2,027

Units are available for R404A (M 44), R507 (M57), R407C (H 47). Add the appropriate suffix to the model number.

†Additional price to order optional ECM condenser fan motors. Not available for 460V.

KS2= Discus Compressor

KS3= Carlyle Compressors are available - contact factory for pricing.

KS4= Bitzer Compressors are available - contact factory for pricing.

* SEE PAGE 8 FOR ADDITIONAL OPTIONS

USE P-858A SYSTEM EVAPORATORS LIST PRICES WITH ALL "KS" CONDENSING UNIT PRICES TO OBTAIN SYSTEMS PRICES.

KRAMER SAVER AIR DEFROST SYSTEM

STANDARD FEATURES

1. HI-LO PRESSURE SWITCH, AUTO RESET LOW / MANUAL RESET HIGH
2. ELECTRONIC OIL PRESSURE CONTROL (5 HP) AND UP
3. CONTACTORS & OVERLOAD PROTECTORS
4. SUCTION & DISCHARGE VIBRATION ELIMINATORS
5. MANUAL COMPRESSOR SWITCH / PUMPDOWN SWITCH
6. CRANKCASE HEATER
7. WEATHER PROOF HOUSING
8. RECEIVER W/ SERVICE VALVE
9. FUSIBLE PLUG
10. MINIMUM CHARGE MONITOR - DUAL SIGHT GLASSES W/ MOISTURE INDICATOR
11. SUCTION LINE FILTER - PERMANENT
12. LIQUID LINE DRIER - PERMANENT
13. DEFROST TIMER
14. LIQUID LINE SOLENOID VALVE (SEE NOTE 1)
15. ROOM THERMOSTAT (SEE NOTE 1)
16. THERMOSTATIC EXPANSION VALVE (1 PER EVAP.) (SEE NOTE 1)
17. BRAIDED HOSE LINES
18. CONTROL CIRCUIT TRANSFORMER (460V UNITS ONLY)
19. SUB CIRCUIT FUSING
20. HEAT EXCHANGER (1 PER SYSTEM) (SEE NOTE 1)

NOTES:

1. ITEM SHIPPED LOOSE FOR FIELD INSTALLATION.

ELECTRIC DEFROST - KRAMER SAVER 4 - 10 HP

REFR.	MODEL "KS"	BASIC UNIT			(1) SUCT. ACCUM.	(1) OIL SEP.	EC Motor Adder †	NON FUSED (2) DISCONNECT		
		230/3	460/3	575/3	230V	460V		575V		
R407C	KS20500M44	\$24,081	\$25,793	\$25,350	\$676	\$1,143	\$922	\$1,542	\$1,659	\$1,659
R507	KS20700M44	29059	30781	31335	676	1,223	922	1,759	2,027	2,027
R404A	KS20800M44	32902	34587	35227	676	1,223	922	1,759	2,027	2,027
MED. TEMP	KS21000M44	35115	35794	36478	990	1,223	922	1,759	2,027	2,027

Medium Temp units are available for R404A (M 44), R507 (M57), R407C (H 47). Add the appropriate suffix to the model number.

R507	KS20400L44	\$25,535	\$27,398	\$27,861	\$676	\$1,143	\$922	\$1,542	\$1,659	\$1,659
R404A	KS20500L44	26206	27727	28214	676	1143	922	\$1,542	\$1,659	\$1,659
LOW	KS20600L44	28481	29811	30327	676	1143	922	\$1,542	\$1,659	\$1,659
TEMP	KS20800L44	31616	32822	33420	676	1223	922	1,759	2,027	2,027
ELECTRIC	KS20900L44	36227	36332	36988	990	1223	922	1,759	2,027	2,027
DEFROST	KS21000L44	37111	38864	39626	990	1223	922	1,759	2,027	2,027

†Additional price to order optional ECM condenser fan motors. Not available for 460V.

* SEE PAGE 8 FOR ADDITIONAL OPTIONS.

KS2 = Discus Compressor
 KS3 = Carlyle
 KS4 = Bitzer

USE P-858A SYSTEM EVAPORATORS LIST PRICES WITH ALL "KS" CONDENSING UNIT PRICES.

KRAMER SAVER ELECTRIC DEFROST SYSTEM
STANDARD FEATURES

1. HI-LO PRESSURE SWITCH, AUTO RESET LOW / MANUAL RESET HIGH
2. ELECTRONIC OIL PRESSURE CONTROL (5 HP AND UP)
3. CONTACTORS & OVERLOAD PROTECTORS
4. SUCTION & DISCHARGE VIBRATION ELIMINATORS
5. MANUAL COMPRESSOR SWITCH / PUMPDOWN SWITCH
6. CRANKCASE HEATER
7. WEATHER PROOF HOUSING
8. RECEIVER W/ SERVICE VALVE
9. FUSIBLE PLUG
10. MINIMUM CHARGE MONITOR - DUAL SIGHT GLASSES W/ MOISTURE INDICATOR
11. SUCTION LINE FILTER - PERMANENT
12. LIQUID LINE DRIER - PERMANENT
13. DEFROST TIMER W/ CONTACTORS (AS REQUIRED)
14. LIQUID LINE SOLENOID VALVE (SEE NOTE 1)
15. ROOM THERMOSTAT (SEE NOTE 1)
16. THERMOSTATIC EXPANSION VALVE (1 PER EVAP.) (SEE NOTE 1)
17. HEAT EXCHANGER (1 PER SYSTEM) (SEE NOTE 1)
18. BRAIDED HOSE LINES
19. CONTROL CIRCUIT TRANSFORMER (460V UNITS ONLY)
20. SUB CIRCUIT FUSING

NOTES:

1. ITEM SHIPPED LOOSE FOR FIELD INSTALLATION.

* SEE PAGE 8 FOR ADDITIONAL OPTIONS

CTT THERMOBANK 5 - 10 HP When ordered as condensing unit only

REFR.	MODEL "CTT" MEDIUM TEMP	BASIC UNIT			(1) SUCT.	(1) OIL	EC Motor Adder	NON FUSED (2) DISCONNECT		
	HOT GAS DEFROST	230/3	460/3	575/3	ACCUM.	SEP.	†	230	460	575
R407C	CTT20500M44	35,819	37,680	38,434	676	1,143	\$922	1,542	1,659	1,659
	R507	CTT20700M44	42,040	44,896	45,795	676	1,223	922	1,759	2,027
R404A	CTT20800M44	49,503	51,888	52,926	676	1,223	922	1,759	2,027	2,027
MED. TEMP	CTT21000M44	54,012	55,367	56,475	990	1,223	922	1,759	2,027	2,027
	CTT21200M44	52,506	53,877	54,863	990	1,223	922	1,759	2,027	2,027

Medium tem units are available for R404A (M 44), R507 (M57), R407C (H 47) or R22 (H 22). Add the appropriate suffix to the model number.

REFR.	LOW TEMP	BASIC UNIT			SUCT.	OIL	EC Adder	DISCONNECT		
	HOT GAS DEFROST	230/3	460/3	575/3	ACCUM.	SEP.	†	230V	460V	575V
R507 R404A LOW TEMP	CTT20400L44	35,997	32,087	39,275	676	1,143	922	1,542	1,659	1,659
	CTT20500L44	37,733	40,181	40,984	676	1,143	922	1,542	1,659	1,659
	CTT20600L44	39,984	42,302	43,149	676	1,143	922	1,542	1,659	1,659
	CTT20800L44	46,115	48,287	49,254	676	1,223	922	1,759	2,027	2,027
	CTT20900L44	50,764	52,449	53,500	990	1,223	922	1,759	2,027	2,027
	CTT21000L44	53,902	54,958	56,058	990	1,223	922	1,759	2,027	2,027
	CTT21200L44	53,902	54,958	56,058	990	1,223	922	1,759	2,027	2,027

†Additional price to order optional ECM condenser fan motors. Not available for 460V.

*SEE PAGE 8 FOR ADDITIONAL OPTIONS.

CTT THERMOBANK 5 - 10 HP When ordered as a complete system with evaps.

REFR.	MODEL "CTT" MEDIUM TEMP	BASIC UNIT			(1) SUCT.	(1) OIL	EC Motor Adder	NON FUSED (2) DISCONNECT		
	HOT GAS DEFROST	230/3	460/3	575/3	ACCUM.	SEP.	†	230V	460V	575V
R407C	CTT20500M44	27,135	28,545	29,116	676	1,143	\$922	1,542	1,659	1,659
	R507	CTT20700M44	31,848	34,011	34,692	676	1,223	922	1,759	2,027
R404A	CTT20800M44	37,502	39,309	40,096	676	1,223	922	1,759	2,027	2,027
MED. TEMP	CTT21000M44	40,918	41,944	42,783	990	1,223	922	1,759	2,027	2,027
	CTT21200M44	43,755	44,822	45,719	990	1,223	922	1,759	2,027	2,027

Medium tem units are available for R404A (M 44), R507 (M57), R407C (H 47). Add the appropriate suffix to the model number.

REFR.	LOW TEMP	BASIC UNIT			SUCT.	OIL	EC Adder	DISCONNECT		
	HOT GAS DEFROST	230/3	460/3	575/3	ACCUM.	SEP.	†	230V	460V	575V
R507 R404A LOW TEMP	CTT20400L44	27,269	29,170	29,754	676	1,143	922	1,542	1,659	1,659
	CTT20500L44	28,585	30,439	31,048	676	1,143	922	1,542	1,659	1,659
	CTT20600L44	30,290	32,046	32,687	676	1,143	922	1,542	1,659	1,659
	CTT20800L44	34,935	36,581	37,313	676	1,223	922	1,759	2,027	2,027
	CTT20900L44	38,457	39,734	40,529	990	1,223	922	1,759	2,027	2,027
	CTT21000L44	40,834	41,635	42,468	990	1,223	922	1,759	2,027	2,027
	CTT21200L44	48,612	44,822	50,794	990	1,223	922	1,759	2,027	2,027

USE P-858A SYSTEM EVAPORATORS LIST PRICES WITH ALL "CTT" CONDENSING UNITS TO OBTAIN SYSTEM PRICES.

*SEE PAGE 8 FOR ADDITIONAL OPTIONS.

CTT2 = Discus Compressor
CTT3 = Carlyle
CTT4 = Bitzer

THERMOBANK HOT GAS DEFROST SYSTEM

STANDARD FEATURES

1. HI-LO PRESSURE SWITCH, AUTO RESET LOW / MANUAL RESET HIGH
2. ELECTRONIC OIL PRESSURE CONTROL (5 HP AND UP)
3. CONTACTORS & OVERLOAD PROTECTORS
4. SUCTION & DISCHARGE VIBRATION ELIMINATORS
5. MANUAL COMPRESSOR SWITCH / PUMPDOWN SWITCH
6. CRANKCASE HEATER
7. WEATHER PROOF HOUSING
8. RECEIVER W/ SERVICE VALVE
9. FUSIBLE PLUG
10. MINIMUM CHARGE MONITOR - DUAL SIGHT GLASSES W/ MOISTURE INDICATOR
11. SUCTION LINE FILTER - PERMANENT (LOOSE 4-12 HP)
12. LIQUID LINE DRIER - PERMANENT (LOOSE 4 - 12 HP)
13. DEFROST TIMER WITH REQUIRED H.G. DEFROST CONTROLS
14. LIQUID LINE SOLENOID VALVE (SEE NOTE 2)
15. ROOM THERMOSTAT (SEE NOTE 2)
16. THERMOSTATIC EXPANSION VALVE (1 PER EVAP.) (SEE NOTE 2)
17. HEAT EXCHANGER (1 PER SYSTEM) (SEE NOTE 2)
18. BRAIDED HOSE LINES
19. CONTROL CIRCUIT TRANSFORMER (460V UNITS ONLY)
20. SUB CIRCUIT FUSING
21. HOT GAS SOLENOID (SEE NOTE 2)

NOTES:

1. MAY REQUIRE EXTENDED MOUNTING LEGS IF SPECIFIED WITH OPTIONAL OIL SEPARATOR DUE TO SPACE CONSTRAINTS ON SOME MODELS. CHECK WITH FACTORY.
 2. ITEM SHIPPED LOOSE.
- * SEE PAGE 8 FOR ADDITIONAL OPTIONS

ADDITIONAL OPTIONS

DESCRIPTION	LIST PRICE	
ANTI - SHORT CYCLE TIMER (PRICE IS PER COMPRESSOR)	\$629	
EVAPORATOR FAN CONTACTOR	304	
GAUGE KIT, HIGH, LOW, AND OIL PRESSURE	1,544	
OVERSIZED RECEIVER - ADD FOR 0400 THROUGH 1000 MODELS ONLY	483	
PHASE LOSS MONITOR (PRICE IS BASED ON 1 PER UNIT)	1,040	
SPRING LOADED PRESSURE RELIEF VALVE	287	
SINGLE POINT ALARM	356	
MECHANICAL ROOM THERMOSTAT (A19AAA-49C) Part# 204464001	274	
ELECTRONIC ROOM THERMOSTAT (A419ABC-1C) Part# 204464206	353	
TIMER INSTALL CHARGE FOR AIR DEFROST SYSTEMS	274	
REPLACEABLE CORE LIQUID LINE FILTER-DRIER (SHIPPED LOOSE)	451	
REPLACEABLE CORE SUCTION LINE FILTER (SHIPPED LOOSE)	467	
CRANKASE PRESSURE REGULATOR (Mounted)	4 - 5 HP	388
	6 - 9 HP	561
	10 - 12 HP	1,587

4 YEAR EXTENDED COMPRESSOR WARRANTY

MEDIUM TEMPERATURE				LOW TEMPERATURE			
SEMI-HERMETIC COMPRESSOR		REFRIG	NET PRICE	SEMI-HERMETIC COMPRESSOR		REFRIG	NET PRICE
H.P.	MODEL			H.P.	MODEL		
1	KAR-010*	R404A	\$175	1	KAJ-010*	R404A	\$175
1 ½	KAG-0150	R404A	181	1 ½	KAL-015E	R404A	181
2	KAK-020*	R404A	181	2	EAV-021*	R404A	181
3	ERF-031*	R404A	306	3	LAH-031*	R404A	306
5	2DD-R63KE*	R404A	454	3	2DF-F16KE*	R404A	306
7	2DA-R89KE*	R404A	558	4	2DL-F20KE*	R404A	454
8	3DA-R10ME*	R404A	558	5	2DA-F23KE*	R404A	454
10	3DB-R12ME*	R404A	721	6	3DA-F28KE*	R404A	550
12	3DF-R15ME*	R404A	865	8	3DB-F33KE*	R404A	558
				9	3DF-F40KE*	R404A	721
				10	3DS-F46KE*	R404A	721
				12	4DB-F54KE*	R404A	865

* 0 = Mineral Oil, E = POE Lubricant.

‡ = NRA or NRM

Limited Extended Compressor Warranty covers defects in factory material or workmanship. Defective compressor, with serial number tag intact, must be returned to an authorized wholesaler. Warranty does not include external parts, controls, refrigerant, shipping, labor or product loss.

FREIGHT SURCHARGES

The following freight surcharges will be applied to orders when applicable. For delivery and post delivery issues, the customer will be notified and a second invoice will be generated.

BASIC LTL SURCHARGES	NET †
Delivery Notification / Call before delivery	\$68
Lift Gate Service	\$213
Saturday Delivery Request	\$484
*Failed/Refused delivery attempt (minimum)	\$98
*Failed/Refused delivery attempt (Maximum)	\$1,214
Re-Consignment fee	\$91
Storage (Per 100 LBS for each calendar day)	\$4.62

BASIC CONTRACT HAUL SURCHARGES	NET †
Cancelled truck not used	\$2,160
Reconsignment fee	\$775
Reconsignment cost per mile (\$1505 Minimum)	\$3.23
Delay in unloading (4 hours or more past an appointment)	\$1,505

† Net prices are not to be discounted.

* Refused Delivery fee will be calculated @ 11.6 cents per 100 LBS, subject to Minimum and Maximum charges shown above (per incident).

† Net prices are not to be discounted.