



KIRBY® CABINET COOLER Evaporators

Compact Design for
Maximum Storage Space



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KIRBY® CABINET COOLER

Evaporators

Overview and Introduction

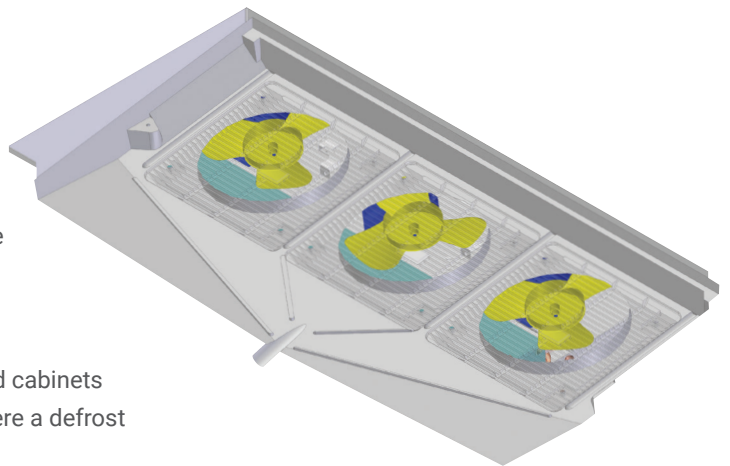
With a smart and aesthetically pleasing design, Kirby® Cabinet Coolers deliver the perfect combination of additional storage space and greater refrigerated storage capability.

Offering long life and superior reliability that just keeps going, medium temperature models also feature E-Kote coil protection on all essential components including the copper, to safeguard against corrosion from airborne food acids. For larger medium temperature applications, twin air blowers deliver consistent and even air flow around the inside of the cabinet.

Features & Benefits

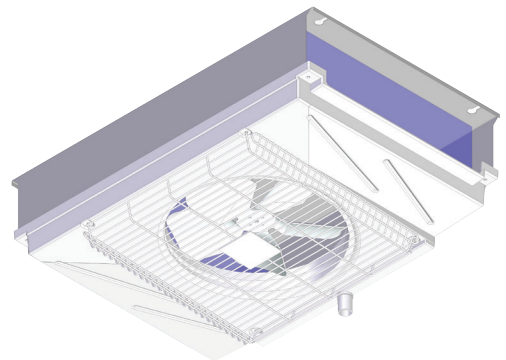
Medium Temperature Models:

- Compact, low profile design which gives more shelf space
- Slim, neat profile for maximum cabinet storage space
- Removable, discreet drain tray which is easily removed for cleaning and service
- Heat exchanger with rifled bore tubing for high performance and exceptional oil return
- Fan motors which can be easily removed for servicing
- E-Kote coil protection for protection against the elements
- Larger capacity twin blower coolers, suitable for larger sized cabinets
- Suitable for high and medium temperature applications where a defrost heater is not required



Low Temperature Models:

- Compact, low profile design which gives more shelf space
- Slim, neat profile for maximum cabinet storage space
- Removable, discreet drain tray which is easily removed for cleaning and service
- Storage temperature capacity down to -32°C
- In-built controls terminate the defrost cycle when required temperatures are reached



Kirby Cabinet Cooler Evaporators – Nomenclature

<p>K</p> <p>Manufacturer Brand</p> <p>K Kirby</p>	<p>CT</p> <p>Usage Application</p> <p>F Low Temperature</p> <p>C Medium Temperature</p> <p>CT Medium Temperature – Twin Blow</p>	<p>1600</p> <p>Nominal Capacity</p>
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CABINET COOLER EVAPORATORS

Medium Temperature Performance Data

PRODUCT NUMBER	CAPACITY WATTS @ -4°C SST & 6KTD		FAN DATA				TX VALVE	DRAIN PAN
	R404A	R134a	NO. OF FANS	DIAMETER (mm)	AIRFLOW (l/s)	TOTAL AMPS		
KC MEDIUM TEMPERATURE								
KC301	360	320	1	178	72	0.26	Internal	White ABS Plastic
KC401	490	420	1	178	77	0.26	Internal	White ABS Plastic
KC550	630	520	2	178	110	0.43	Internal	White ABS Plastic
KC651	730	600	2	178	105	0.47	Internal	White ABS Plastic
KC750	850	700	2	178	120	0.43	Internal	White ABS Plastic
KC1001	1180	970	3	178	165	0.72	Internal	White ABS Plastic
KC1201	1280	1140	3	178	175	0.65	Internal	White ABS Plastic
KC1350	1580	1220	3	178	265	0.82	External	White ABS Plastic
KC1700	1880	1460	3	200	380	0.67	External	Stucco Aluminium
KC2100	2350	1810	3	200	350	0.67	External	Stucco Aluminium
KCT MEDIUM TEMPERATURE – TWIN BLOW								
KCT400	510	420	1	254	210	0.32	Internal	White ABS Plastic
KCT600	730	550	1	254	210	0.32	Internal	White ABS Plastic
KCT800	810	650	1	254	190	0.32	Internal	White ABS Plastic
KCT1000	1090	820	1	254	210	0.4	Internal	White ABS Plastic
KCT1200	1360	1070	1	254	230	0.4	External	White ABS Plastic
KCT1600	1780	1340	1	300	280	0.3	External	White ABS Plastic

CAPACITY FACTOR AND APPLICATION LIMITS						
SUCTION TEMP.	-4	-2	0	2	4	6
R404A	1	1.01	1.04	1.07	1.1	1.15
R134a	1	1.01	1.03	1.05	1.08	1.11
Maximum KTD*	12	12	12	12	11	10
Minimum KTD**	3	3	3	3	3	4

* Maximum KTD for KCT1200 and KCT1600 is 8K at all SST due to distributor limitations.
 ** Minimum KTD for KC301 through KC550 is 5K at all SST due to refrigerant velocity considerations.

CABINET COOLER EVAPORATORS

Low Temperature Performance Data

PRODUCT NUMBER	CAPACITY WATTS @ -24°C SST & 6KTD	FAN DATA				HEATER DATA		TX VALVE	DRAIN PAN
		R404A	NO. OF FANS	DIAMETER (mm)	AIRFLOW (l/s)	TOTAL AMPS	TOTAL WATTS		
KF LOW TEMPERATURE									
KF450	470	2	178	120	0.43	460	1.9	Internal	White ABS Plastic
KF600	620	3	178	160	0.72	720	3	Internal	White ABS Plastic
KF750	790	3	178	175	0.65	720	3	External	White ABS Plastic
KF1000	1170	3	178	270	0.82	1225	5.1	External	White ABS Plastic
KF1380	1470	3	200	380	0.67	1700	7.1	External	Stucco Aluminium
KF1650	1710	3	200	350	0.67	2200	9.2	External	Stucco Aluminium

CAPACITY FACTOR AND APPLICATION LIMITS						
SUCTION TEMP.	-36	-30	-24	-18	-12	6
R404A	0.78	0.89	1	1.1	1.2	1.15
Maximum KTD*	8	9	10	10	10	10
Minimum KTD	4	3	3	3	3	4

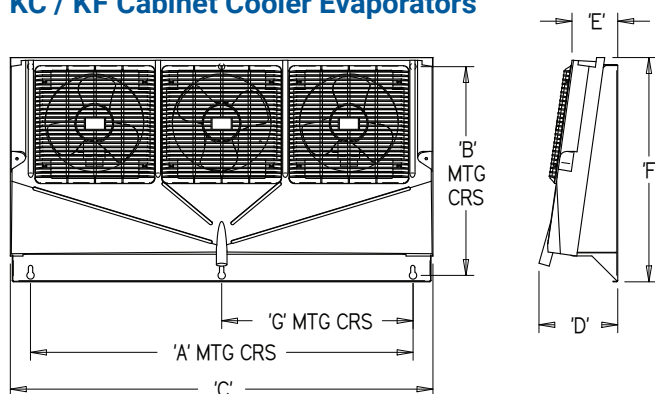
* Maximum KTD for KF750 is 8K due to distributor limitations.

CABINET COOLER EVAPORATORS

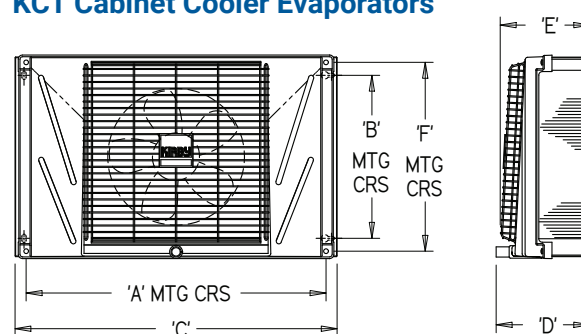
Physical Data

PRODUCT NUMBER	DIMENSIONS (mm)							CONNECTIONS (mm)		WEIGHT (kg)
	A	B	C	D	E	F	G	LIQUID	SUCTION	
KC MEDIUM TEMPERATURE										
KC301	346	345	420	125	85	390	-	9.52	9.52	3.9
KC401	346	345	420	125	85	390	-	9.52	9.52	4.2
KC550	452	365	526	130	85	410	-	9.52	9.52	5.9
KC651	452	365	526	130	85	410	-	9.52	9.52	6.5
KC750	452	365	526	130	85	410	-	9.52	9.52	6.7
KC1001	722	365	796	130	85	410	-	9.52	9.52	7.9
KC1201	722	365	796	130	85	410	-	9.52	9.52	8.5
KC1350	830	350	1,010	185	110	400	465	12.70	15.90	14.0
KC1700	1,130	419	1,245	217	95	474	565	12.70	15.90	15.0
KC2100	1,130	419	1,245	217	95	474	565	12.70	15.90	18.0
KCT MEDIUM TEMPERATURE – TWIN BLOW										
KCT400	452	365	526	135	85	410	-	9.52	9.52	6.7
KCT600	722	365	796	135	85	410	-	9.52	9.52	7.9
KCT800	722	365	796	135	85	410	-	9.52	9.52	8.5
KCT1000	830	350	1,010	185	110	400	-	12.70	15.90	15.0
KCT1200	1,130	419	1,245	217	95	474	-	12.70	15.90	15.0
KCT1600	1,130	419	1,245	217	95	474	-	12.70	15.90	18.0
KF LOW TEMPERATURE										
KF450	452	365	526	135	85	410	-	9.52	9.52	6.7
KF600	722	365	796	135	85	410	-	9.52	9.52	7.9
KF750	722	365	796	135	85	410	-	9.52	9.52	8.5
KF1000	830	350	1,010	185	110	400	465	12.70	15.90	15.0
KF1380	1,130	419	1,245	217	95	474	565	12.70	15.90	15.0
KF1650	1,130	419	1,245	217	95	474	565	12.70	15.90	18.0

KC / KF Cabinet Cooler Evaporators



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