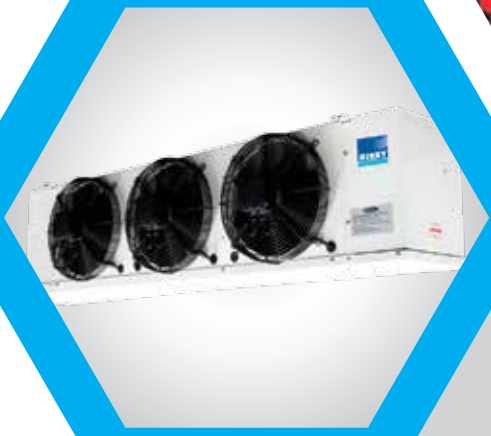
Kirby 9000 Series Evaporators with EC Fans



Superior energy efficiency ensures lower operating costs

Built smart, compact and tough Kirby's 9000 Series with EC Fans offers leading performance, efficiency, high durability and a quiet operation. Building on this proven platform the addition of EC Fans enables better space temperature control whilst delivering up to 23% energy savings on high fan speed and 70% energy savings on low fan speed*. When simulated over a 24 hour operation period this equals an approximated;

Overall average saving of over 30% on fan energy and operating costs

Additional benefits of EC Fans include:

- Soft start feature reducing in-rush current and providing quieter start
- Longer service life due to lower bearing temperatures
- Plastic fan blade for quieter operation

* Energy savings based on 300mm fan models

Nomenclature

K	MT/LT	132	W	H	EC
K: Kirby	MT: Medium temperature LT: Low temperature	Historical Capacity Reference R404 capacity ÷ 10	W: White	H: Heater Blank: Standard coil	EC: EC Fans

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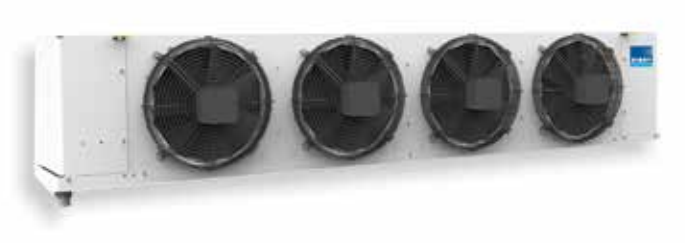
HEATCRAFT™ Worldwide Refrigeration

9000 Series Evaporators with EC Fans



KMT Medium Temperature Performance Data

PRODUCT NUMBER	MAX. SPEED		FAN MOTOR DATA 240V 50HZ					2ND SPEED		FAN MOTOR DATA 240V 50HZ					
	CAPACITY W@ 6KTD		AIR		TOTAL		SOUND POWER DB(A)**	CAPACITY W@ 6KTD		AIR		TOTAL		SOUND POWER DB(A)**	NO. OF FANS
	R404A (W)	R134a	FLOW (L/S)*	THROW (M)	WATTS	AMPS		R404A (W)	R134a	FLOW (L/S)*	THROW (M)	WATTS	AMPS		
300mm FAN DIAMETER															
KMT013W-EC	1320	1148	380	7.2	55	0.47	67	1015	883	240	4.6	22	0.21	61	1
KMT016W-EC	1620	1409	360	6.9	56	0.49	67	1220	1061	220	4.4	22	0.21	61	1
KMT020W-EC	2010	1749	340	6.5	57	0.51	67	1520	1322	210	4.2	23	0.22	61	1
KMT027W-EC	2700	2349	760	10.3	112	0.94	70	2130	1853	480	6.4	44	0.42	64	2
KMT034W-EC	3400	2958	720	9.8	112	0.98	70	2625	2284	450	6.1	44	0.42	64	2
KMT038W-EC	3780	3289	680	9.3	114	1.02	70	2930	2549	420	5.9	46	0.44	64	2
KMT051W-EC	5050	4394	1080	12.1	168	1.47	71	3945	3432	690	7.6	66	0.63	65	3
KMT060W-EC	5960	5185	1020	11.5	171	1.53	71	4575	3980	650	7.2	69	0.66	65	3
KMT067W-EC	6650	5786	1440	13.6	224	1.96	73	5135	4467	900	8.6	88	0.84	67	4
KMT081W-EC	8050	7004	1360	12.9	228	2.04	73	5970	5194	850	8.3	92	0.88	67	4
350mm FAN DIAMETER															
KMT023W-EC	2320	2018	700	8.8	140	1.04	69	1770	1540	430	5.4	41	0.35	63	1
KMT045W-EC	4500	3915	1400	12.6	280	2.08	72	3400	2958	880	7.7	82	0.7	66	2
KMT063W-EC	6250	5438	1400	12.6	280	2.08	72	4920	4280	880	7.7	82	0.7	66	2
KMT071W-EC	7100	6177	1375	11.9	284	2.1	72	5200	4524	840	7.3	84	0.72	66	2
KMT093W-EC	9300	8091	2160	15.4	420	3.12	75	7530	6551	1310	9.5	123	1.05	69	3
KMT106W-EC	10600	9222	2060	14.7	426	3.15	75	7880	6856	1250	9.1	126	1.08	69	3
KMT121W-EC	12100	10527	1970	14.2	429	3.18	75	8860	7708	1220	8.7	128	1.08	69	3
KMT132W-EC	13200	11484	2880	17.3	560	4.16	77	10200	8874	1750	10.6	164	1.4	71	4
KMT154W-EC	15400	13398	2630	15.9	572	4.24	77	11350	9875	1620	9.8	170	1.44	71	4
KMT165W-EC	16500	14355	3600	19.3	700	5.2	78	12560	10927	2190	11.8	205	1.75	72	5
KMT198W-EC	19800	17226	3280	17.8	715	5.3	78	15100	13137	2030	10.9	212	1.8	72	5

Performance Rating Basis KMT

CAPACITY – Performance calculations are intended as a guide only and actual capacity is subject to specific application conditions and the operating environment. Capacities are based on +2°C air on temperature, and 6KTD. KTD is defined as "air on temperature - leaving refrigerant saturation temperature".
* Air flow – Rated at standard air conditions (101.35kpa atmospheric pressure)
** Sound Power - Tests were done with a Sound Intensity meter generally in accordance with the methods of ISO9614-1:1993 (measured at discrete points).
To assist you in determining the most appropriate selection for your application, please refer to your local Heatcraft representative.

KLT Low Temperature Performance Data

PRODUCT NUMBER	MAX. SPEED		FAN MOTOR DATA 240V 50HZ					2ND SPEED		FAN MOTOR DATA 240V 50HZ					
	CAPACITY W@ 6KTD		AIR		TOTAL		SOUND POWER DB(A)**	CAPACITY W@ 6KTD		AIR		TOTAL		SOUND POWER DB(A)**	NO. OF FANS
	R404A (W)	R134a	FLOW (L/S)*	THROW (M)	WATTS	AMPS		R404A (W)	R134a	FLOW (L/S)*	THROW (M)	WATTS	AMPS		
300mm FAN DIAMETER															
KLT013W-EC	1280	1310	360	6.4	55	0.47	67	975	1005	220	4.1	22	0.21	61	1
KLT015W-EC	1470	1510	340	6	56	0.49	67	1110	1145	210	3.9	22	0.21	61	1
KLT024W-EC	2400	2460	720	9.1	112	0.94	70	1815	1870	450	5.6	44	0.42	64	2
KLT028W-EC	2780	2850	680	8.6	112	0.98	70	2190	2260	420	5.4	44	0.42	64	2
KLT030W-EC	3000	3075	680	8.6	114	1.02	70	2315	2385	420	5.4	46	0.44	64	2
KLT036W-EC	3600	3695	1080	11.2	168	1.47	71	2795	2880	690	7	66	0.63	65	3
KLT042W-EC	4150	4275	1020	10.6	171	1.53	71	3240	3340	650	6.6	69	0.66	65	3
KLT062W-EC	6200	6320	1360	11.9	224	1.96	73	4635	4775	850	7.8	88	0.84	67	4
350mm FAN DIAMETER															
KLT021W-EC	2050	2125	700	8.1	140	1.04	69	1520	1570	430	5.4	41	0.35	63	1
KLT045W-EC	4500	4645	1400	11.6	280	2.08	72	3330	3430	880	7.7	82	0.7	66	2
KLT050W-EC	4950	5075	1400	11.6	280	2.08	72	3810	3925	880	7.7	82	0.7	66	2
KLT054W-EC	5350	5505	1375	11	284	2.1	72	4030	4155	840	7.3	84	0.72	66	2
KLT067W-EC	6650	6810	2160	14.3	420	3.12	75	5070	5225	1310	9.5	123	1.05	69	3
KLT075W-EC	7450	7620	2160	14.3	426	3.15	75	5440	5605	1250	9.1	126	1.08	69	3
KLT089W-EC	8900	9090	2060	13.6	429	3.18	75	6710	6915	1220	8.7	128	1.08	69	3
KLT100W-EC	10000	10310	2750	15.2	560	4.16	77	7840	8080	1750	10.6	164	1.4	71	4
KLT113W-EC	11300	11565	2750	15.2	572	4.24	77	8790	9055	1620	9.8	170	1.44	71	4
KLT126W-EC	12600	12850	3600	17.9	700	5.2	78	9230	9510	2190	11.8	205	1.75	72	5
KLT136W-EC	13600	14100	3440	17	715	5.3	78	10200	10510	2030	10.9	212	1.8	72	5

Performance Rating Basis KLT

CAPACITY – Performance calculations are intended as a guide only and actual capacity is subject to specific application conditions and the operating environment. Capacities are based on -18°C air on temperature, and 6KTD. KTD is defined as "air on temperature - leaving refrigerant saturation temperature".
* Air flow – Rated at standard air conditions (101.35kpa atmospheric pressure)
** Sound Power - Tests were done with a Sound Intensity meter generally in accordance with the methods of ISO9614-1:1993 (measured at discrete points).
To assist you in determining the most appropriate selection for your application, please refer to your local Heatcraft representative.

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