

ECO™ heat transfer coolers

MODINE®

MELUCK®

Whole Hearted Creation And Service

TianyiCOOL

OMEGA



CHAPTER 2

**EVAPORATOR
UNIT COOLER**

EVS

The EVS range has been specifically designed for application in reach-in cabinets, display cases and small cold rooms.



Model	Cap RT 0°C TDS kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
EVS41	0.43	3.5	290	3	200x1	411	435	120
EVS61	0.53	3.5	260	2.5	200x1	411	435	120
EVS101	0.84	3.5	580	5	200x2	611	435	120
EVS131	1.01	3.5	520	4.5	200x2	611	435	120
EVS201	1.46	3.5	565	4	200x2	611	435	170
EVS271	1.73	3.5	690	4	200x2	861	435	170
EVS181	1.7	3.5	870	4.5	200x3	1111	435	120
EVS291	2.06	3.5	780	4	200x3	1111	435	120
EVS391	2.52	3.5	980	4	200x3	1111	435	170
EVS521	3.29	3.5	1300	4	200x4	1461	435	170
EVS41/B	0.37	4.5	310	3	200x1	411	435	120
EVS61/B	0.47	4.5	280	2.5	200x1	411	435	120
EVS101/B	0.72	4.5	620	5	200x2	611	435	120
EVS131/B	0.89	4.5	560	4.5	200x2	611	435	120
EVS201/B	1.4	4.5	605	4.5	200x2	611	435	170
EVS271/B	1.7	4.5	740	4.5	200x2	861	435	170
EVS181/B	1.45	4.5	930	4.5	200x3	1111	435	120
EVS291/B	1.77	4.5	830	4	200x3	1111	435	120
EVS391/B	2.46	4.5	1050	4.5	200x3	1111	435	170
EV521/B	3.22	4.5	1400	4.5	200x4	1461	435	170

MIC

The MIC range dual discharge unit coolers are suitable for reach-in/walk-in cabinets, display cases and small rectangular-based cold rooms.



Model	Cap RT 0°C TDS kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
MIC80	0.59	4.5	540	2x3	230x1	650	430	172
MIC81	0.75	4.5	540	2x3	230x1	650	430	172
MIC101	0.88	4.5	460	2x2.5	230x1	650	430	172
MIC161	1.49	4.5	1080	2x3	230x2	650	730	185
MIC201	1.66	4.5	920	2x2.5	230x2	650	730	185
MIC301	2.58	4.5	1380	2x2.5	230x3	650	1030	185
MIC401	3.36	4.5	1840	2x2.5	230x4	650	1330	185
MIC501	4.29	4.5	2300	2x2.5	230x5	650	1630	185

GCE

The GCE range of unit coolers is suitable for installation in cold rooms for the preservation of fresh or frozen products. Thanks to the optimization of the heat exchangers in relation to fan motors, the particular structure of the units enables to maximise the storage space of the cold rooms.



Model	Cap RT 0°CCTD8 kW	Fin Space mm	Air Flow m3	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
GCE251E4R	1.45	4	708	8	250x1	674	509	387
GCE251E4	1.67	4	768	8	250x1	774	509	387
GCE252G4	2.87	4	1626	9	250x2	1224	509	387
GCE252E4	3.29	4	1536	8	250x2	1224	509	387
GCE253G4	4.18	4	2440	11	250x3	1674	509	387
GCE253E4	4.83	4	2305	10	250x3	1674	509	387
GCE254G4	5.56	4	3250	13	250x4	2124	509	387
GCE254E4	6.66	4	3070	12	250x4	2124	509	387
GCE311F4	3.21	4	1500	11	315x1	874	561	424
GCE312F4	6.33	4	3000	14	315x2	1424	561	424
GCE313F4	9.66	4	4495	16	315x3	1974	561	424
GCE314F4	12.77	4	6000	18	315x4	2524	561	424
GCE351E4	3.92	4	2425	14	350x1	875	608	499
GCE351A4	4.83	4	2235	13	350x1	875	608	499
GCE352E4	7.99	4	4850	16	350x2	1425	608	499
GCE352A4	9.92	4	4472	15	350x2	1425	608	499
GCE353F4	13.2	4	7050	18	350x3	1975	608	499
GCE353A4	15.05	4	6710	17	350x3	1975	608	499
GCE354F4	17.2	4	9400	20	350x4	2525	608	499
GCE354A4	19.97	4	8950	19	350x4	2525	608	499
GCE355A4	24.28	4	11180	21	350x5	3075	608	499

Model	Cap RT 0°C TD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
GCE251E6R	1.14	6	753	9	250x1	674	509	387
GCE251E6	1.44	6	813	9	250x1	774	509	387
GCE252G6	2.28	6	1695	10	250x2	1224	509	387
GCE252E6	2.81	6	1626	9	250x2	1224	509	387
GCE253G6	3.45	6	2540	12	250x3	1674	509	387
GCE253E6	4.18	6	2430	11	250x3	1674	509	387
GCE254G6	4.61	6	3390	14	250x4	2124	509	387
GCE254E6	5.61	6	3250	13	250x4	2124	509	387
GCE311F6	2.74	6	1595	12	315x1	874	561	424
GCE312F6	5.47	6	3190	15	315x2	1424	561	424
GCE313F6	8.28	6	4970	17	315x3	1974	561	424
GCE314F6	10.97	6	6390	19	315x4	2524	561	424
GCE351E6	3.26	6	2580	15	350x1	875	608	499
GCE351A6	4.31	6	2430	14	350x1	875	608	499
GCE352E6	6.75	6	5160	17	350x2	1425	608	499
GCE352A6	8.85	6	4850	16	350x2	1425	608	499
GCE353F6	11.2	6	7510	19	350x3	1975	608	499
GCE353A6	13.29	6	7280	18	350x3	1975	608	499
GCE354F6	15.1	6	9860	21	350x4	2525	608	499
GCE354A6	17.7	6	9705	20	350x4	2525	608	499
GCE355A6	21.41	6	12130	22	350x5	3075	608	499
GCE251E8R	1.07	8	800	8	250x1	674	509	387
GCE251E8	1.23	8	840	8	250x1	774	509	387
GCE252G8	1.96	8	1725	9	250x2	1224	509	387
GCE252E8	2.45	8	1690	8	250x2	1224	509	387
GCE253G8	2.95	8	2585	11	250x3	1674	509	387
GCE253E8	3.66	8	2530	10	250x3	1674	509	387
GCE254G8	3.92	8	3450	13	250x4	2124	509	387
GCE254E8	4.92	8	3370	12	250x4	2124	509	387
GCE311F8	2.48	8	1650	11	315x1	874	561	424
GCE312F8	4.96	8	3290	14	315x2	1424	561	424
GCE313F8	7.44	8	4950	16	315x3	1974	561	424
GCE314F8	9.97	8	6580	18	315x4	2524	561	424
GCE351E8	2.92	8	2640	14	350x1	875	608	499
GCE351A8	3.88	8	2500	13	350x1	875	608	499
GCE352E8	5.99	8	5270	16	350x2	1425	608	499
GCE352A8	7.94	8	5000	15	350x2	1425	608	499
GCE353F8	10.1	8	7740	18	350x3	1975	608	499
GCE353A8	12	8	7510	17	350x3	1975	608	499
GCE354F8	13.4	8	10315	20	350x4	2525	608	499
GCE354A8	16.12	8	10000	19	350x4	2525	608	499
GCE355A8	19.58	4	12500	21	350x5	3075	608	499

STE / CTE UNIT COOLER

STE

The STE range is specifically designed for applications in cold rooms with limited height for the preservation of fresh or frozen products.



Model	Cap RT 0°C CTD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
STE31AH3	2.14	3.5	950	8	315x1	810	880	270
STE32AH3	4.33	3.5	1900	9	315x2	1360	880	270
STE33AH3	6.59	3.5	2850	11	315x3	1910	880	270
STE34AH3	8.83	3.5	3800	13	315x4	2460	880	270
STE31BL7	2.2	7	1100	9	315x1	810	880	270
STE32BL7	4.43	7	2200	10	315x2	1360	880	270
STE33BL7	6.23	7	3300	12	315x3	1910	880	270
STE34BL7	8.88	7	4400	14	315x4	2460	880	270

CTE

The CTE range of unit coolers is suitable for installation in cold rooms for the preservation of fresh or frozen products. The compact size of the unit allows to make maximum use of the storage space of the cold room in which it is installed.



Model	Cap RT 0°C CTD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
CTE501E4	10.9	4	7190	27	500x1	1184	708	770
CTE501A4	13.8	4	6690	26	500x1	1184	708	770
CTE501B4	15.5	4	6310	25	500x1	1184	708	770
CTE502E4	22.8	4	14390	29	500x2	2034	708	770
CTE502A4	27.3	4	13380	28	500x2	2034	708	770
CTE502B4	30.5	4	12620	27	500x2	2034	708	770
CTE503E4	33.4	4	21580	29	500x3	2884	708	770
CTE503A4	42	4	20070	28	500x3	2884	708	770
CTE503B4	47.2	4	18940	27	500x3	2884	708	770
CTE504A4	51.3	4	26760	29	500x4	3734	708	770
CTE504B4	58.6	4	25250	28	500x4	3734	708	770
CTE631E4	23.4	4	15080	29	630x1	1606	877	1130
CTE631A4	29.1	4	14265	28	630x1	1606	877	1130
CTE631B4	33.3	4	13660	27	630x1	1606	877	1130
CTE632E4	45.6	4	30160	33	630x2	2706	877	1130
CTE632A4	58.7	4	28530	32	630x2	2706	877	1130
CTE632B4	62.5	4	27320	31	630x2	2706	877	1130
CTE633E4	69	4	45240	35	630x3	3806	877	1130
CTE633A4	87.9	4	42795	34	630x3	3806	877	1130
CTE633B4	101	4	40980	33	630x3	3806	877	1130
CTE634E4	96.7	4	60320	37	630x4	4906	877	1130
CTE634A4	107	4	57060	36	630x4	4906	877	1130
CTE634B4	126	4	54640	35	630x4	4906	877	1130

Model	Cap RT 0°C TD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
						W	D	H
CTE501E6	9.6	6	7620	28	500x1	1184	708	770
CTE501A6	12.4	6	7120	27	500x1	1184	708	770
CTE501B6	14.1	6	6750	26	500x1	1184	708	770
CTE502E6	18.8	6	15240	30	500x2	2034	708	770
CTE502A6	24.7	6	14240	29	500x2	2034	708	770
CTE502B6	28.4	6	13490	28	500x2	2034	708	770
CTE503E6	29.2	6	22850	30	500x3	2884	708	770
CTE503A6	37.8	6	21360	29	500x3	2884	708	770
CTE503B6	43.7	6	20240	28	500x3	2884	708	770
CTE504A6	47.1	6	28480	30	500x4	3734	708	770
CTE504B6	55.1	6	26980	29	500x4	3734	708	770
CTE631E6	20	6	15485	30	630x1	1606	877	1130
CTE631A6	26	6	15080	29	630x1	1606	877	1130
CTE631B6	30.5	6	14470	28	630x1	1606	877	1130
CTE632E6	39.2	6	30970	34	630x2	2706	877	1130
CTE632A6	52.4	6	30160	33	630x2	2706	877	1130
CTE632B6	61.5	6	28940	32	630x2	2706	877	1130
CTE633E6	59.2	6	46455	36	630x3	3806	877	1130
CTE633A6	78.6	6	45240	35	630x3	3806	877	1130
CTE633B6	92.6	6	43410	34	630x3	3806	877	1130
CTE634E6	81	6	61940	38	630x4	4906	877	1130
CTE634A6	98.1	6	60320	36	630x4	4906	877	1130
CTE634B6	117	6	57880	35	630x4	4906	877	1130
CTE501E8	8.4	8.5	7780	29	500x1	1184	708	770
CTE501A8	10.9	8.5	7410	28	500x1	1184	708	770
CTE501B8	13.1	8.5	7110	27	500x1	1184	708	770
CTE502E8	16.7	8.5	15570	31	500x2	2034	708	770
CTE502A8	21.8	8.5	14830	30	500x2	2034	708	770
CTE502B8	26.5	8.5	14210	29	500x2	2034	708	770
CTE503E8	24.9	8.5	23350	31	500x3	2884	708	770
CTE503A8	32.6	8.5	22240	30	500x3	2884	708	770
CTE503B8	39.5	8.5	21320	29	500x3	2884	708	770
CTE504A8	43.9	8.5	29660	31	500x4	3734	708	770
CTE504B8	53.2	8.5	28420	30	500x4	3734	708	770
CTE631E8	16.6	8.5	15780	31	630x1	1606	877	1130
CTE631A8	22.8	8.5	15485	30	630x1	1606	877	1130
CTE631B8	27.4	8.5	15080	29	630x1	1606	877	1130
CTE632E8	33.4	8.5	31560	35	630x2	2706	877	1130
CTE632A8	45.6	8.5	30970	34	630x2	2706	877	1130
CTE632B8	55.1	8.5	30160	33	630x2	2706	877	1130
CTE633E8	50.4	8.5	47340	37	630x3	3806	877	1130
CTE633A8	68.5	8.5	46455	36	630x3	3806	877	1130
CTE633B8	82.9	8.5	45240	35	630x3	3806	877	1130
CTE634E8	67.8	8.5	63120	39	630x4	4906	877	1130
CTE634A8	87.2	8.5	61940	37	630x4	4906	877	1130
CTE634B8	106	8.5	60320	36	630x4	4906	877	1130

ICE UNIT COOLER

ICE

The ICE range has been specifically designed for use in large cold rooms and refrigerated storerooms suitable for the preservation of fresh and frozen products



Evaporator Unit Cooler

Model	Fan Speed	Cap RT 0°C/D8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
							W	D	H
ICE41B06	High	11.2	6	5,460	21	450x1	1300	935	845
	Low	9.2	6	4,100	17	450x1	1300	935	845
ICE42A06	High	18.7	6	11,420	25	450x2	2150	935	845
	Low	16	6	8,730	20	450x2	2150	935	845
ICE42B06	High	21.4	6	10,930	24	450x2	2150	935	845
	Low	18.1	6	8,210	18	450x2	2150	935	845
ICE43A06	High	28.2	6	17,130	27	450x3	3000	935	845
	Low	24.2	6	13,090	21	450x3	3000	935	845
ICE43B06	High	33.1	6	16,390	26	450x3	3000	935	845
	Low	27.6	6	12,310	20	450x3	3000	935	845
ICE44B06	High	44	6	21,850	28	450x4	3850	935	845
	Low	36.7	6	16,410	21	450x4	3850	935	845
ICE51A06	High	18	6	10,270	31	560x1	1550	1070	1020
	Low	14.4	6	7,170	20	560x1	1550	1070	1020
ICE51B06	High	20	6	9,830	31	560x1	1550	1070	1020
	Low	15.7	6	6,780	20	560x1	1550	1070	1020
ICE52A06	High	34.4	6	20,540	35	560x2	2650	1070	1020
	Low	27.7	6	14,340	23	560x2	2650	1070	1020
ICE52B06	High	40.3	6	19,670	34	560x2	2650	1070	1020
	Low	31.7	6	13,560	23	560x2	2650	1070	1020
ICE52D06	High	51.3	6	17,910	34	560x2	2650	1070	1020
	Low	35.5	6	12,380	23	560x2	2650	1070	1020
ICE53A06	High	49.8	6	30,810	37	560x3	3750	1070	1020
	Low	40.7	6	21,520	25	560x3	3750	1070	1020
ICE53B06	High	58.2	6	29,500	37	560x3	3750	1070	1020
	Low	46.2	6	20,330	25	560x3	3750	1070	1020
ICE53D06	High	77.3	6	26,870	36	560x3	3750	1070	1020
	Low	52.4	6	18,560	25	560x3	3750	1070	1020
ICE54A06	High	69.1	6	41,090	38	560x4	4850	1070	1020
	Low	55.8	6	28,690	27	560x4	4850	1070	1020
ICE54B06	High	81.1	6	39,330	38	560x4	4850	1070	1020
	Low	63.6	6	27,110	27	560x4	4850	1070	1020
ICE54D06	High	103	6	35,820	38	560x4	4850	1070	1020
	Low	71.1	6	24,750	26	560x4	4850	1070	1020
ICE62A06	High	49	6	29,750	51	630x2	2650	1070	1197
	Low	45.9	6	26,500	40	630x2	2650	1070	1197
ICE62B06	High	57.9	6	28,600	50	630x2	2650	1070	1197
	Low	53.1	6	25,000	40	630x2	2650	1070	1197
ICE62D06	High	64.2	6	26,590	49	630x2	2650	1070	1197
	Low	58.2	6	23,000	39	630x2	2650	1070	1197
ICE63B06	High	83.9	6	42,900	52	630x3	3750	1070	1197
	Low	77.5	6	37,500	40	630x3	3750	1070	1197
ICE63D06	High	100	6	39,880	50	630x3	3750	1070	1197
	Low	90.5	6	34,500	39	630x3	3750	1070	1197
ICE64B06	High	116	6	57,200	53	630x4	4850	1070	1197
	Low	107	6	50,000	41	630x4	4850	1070	1197

Model	Fan Speed	Cap RT 0° CTD8 kW	Fin Space mm	Air Flow m3	Air Throw m	Fan Ø mm. x NO.	Dimension		
							W	D	H
ICE64D06	High	138	6	53,180	51	630x4	4850	1070	1197
	Low	124	6	46,000	40	630x4	4850	1070	1197
ICE65C06	High	151	6	68,630	54	630x5	5950	1070	1197
	Low	139	6	60,000	43	630x5	5950	1070	1197
ICE65D06	High	162	6	66,470	52	630x5	5950	1070	1197
	Low	148	6	57,500	42	630x5	5950	1070	1197
ICE41B08	High	10.7	8	5,710	22	450x1	1300	935	845
	Low	8.8	8	4,300	16	450x1	1300	935	845
ICE42A08	High	17.6	8	11,920	26	450x2	2150	935	845
	Low	14.9	8	8,990	21	450x2	2150	935	845
ICE42B08	High	20.6	8	11,420	25	450x2	2150	935	845
	Low	17.3	8	8,600	19	450x2	2150	935	845
ICE43A08	High	26.5	8	17,880	28	450x3	3000	935	845
	Low	22.5	8	13,490	22	450x3	3000	935	845
ICE43B08	High	31.6	8	17,130	27	450x3	3000	935	845
	Low	26.4	8	12,900	21	450x3	3000	935	845
ICE44B08	High	42	8	22,850	29	450x4	3850	935	845
	Low	35.1	8	17,200	22	450x4	3850	935	845
ICE51A08	High	16.2	8	10,560	32	560x1	1550	1070	1020
	Low	13	8	7,470	22	560x1	1550	1070	1020
ICE51B08	High	18.6	8	10,270	32	560x1	1550	1070	1020
	Low	14.8	8	7,170	21	560x1	1550	1070	1020
ICE52A08	High	31.4	8	21,130	36	560x2	2650	1070	1020
	Low	25.3	8	14,930	24	560x2	2650	1070	1020
ICE52B08	High	37.6	8	20,540	35	560x2	2650	1070	1020
	Low	29.8	8	14,340	24	560x2	2650	1070	1020
ICE52D08	High	45.6	8	19,080	35	560x2	2650	1070	1020
	Low	34.6	8	13,160	24	560x2	2650	1070	1020
ICE53A08	High	45.6	8	31,690	38	560x3	3750	1070	1020
	Low	37.3	8	22,400	26	560x3	3750	1070	1020
ICE53B08	High	54.7	8	30,810	38	560x3	3750	1070	1020
	Low	43.6	8	21,520	26	560x3	3750	1070	1020
ICE53D08	High	67.1	8	28,620	37	560x3	3750	1070	1020
	Low	51.2	8	19,740	26	560x3	3750	1070	1020
ICE54A08	High	62.9	8	42,260	39	560x4	4850	1070	1020
	Low	50.8	8	29,870	28	560x4	4850	1070	1020
ICE54B08	High	75.7	8	41,090	39	560x4	4850	1070	1020
	Low	59.7	8	28,690	28	560x4	4850	1070	1020
ICE54D08	High	91.4	8	38,160	39	560x4	4850	1070	1020
	Low	69.4	8	26,330	27	560x4	4850	1070	1020
ICE62A08	High	44.4	8	30,330	51	630x2	2650	1070	1197
	Low	41.8	8	27,250	41	630x2	2650	1070	1197
ICE62B08	High	53.5	8	29,460	50	630x2	2650	1070	1197
	Low	49.5	8	26,000	40	630x2	2650	1070	1197
ICE62D08	High	62.3	8	28,030	49	630x2	2650	1070	1197
	Low	57	8	24,500	39	630x2	2650	1070	1197
ICE63B08	High	78.1	8	44,190	52	630x3	3750	1070	1197
	Low	72.4	8	39,000	41	630x3	3750	1070	1197
ICE63D08	High	97	8	42,040	50	630x3	3750	1070	1197
	Low	88.4	8	36,750	40	630x3	3750	1070	1197
ICE64B08	High	108	8	58,930	53	630x4	4850	1070	1197
	Low	99.4	8	52,000	42	630x4	4850	1070	1197
ICE64D08	High	132	8	56,050	51	630x4	4850	1070	1197
	Low	120	8	49,000	41	630x4	4850	1070	1197
ICE65C08	High	144	8	71,500	54	630x5	5950	1070	1197

ICE UNIT COOLER

Model	Fan Speed	Cap RT 0°C/D8	Fin Space	Air Flow	Air Throw	Fan	Dimension		
		kW	mm	m ³	m	Ø mm. x NO.	W	D	H
	Low	132	8	62,500	43	630x5	5950	1070	1197
ICE65D08	High	157	8	70,060	52	630x5	5950	1070	1197
	Low	144	8	61,250	42	630x5	5950	1070	1197
ICE41B10	High	9.6	10	5,880	23	450x1	1300	935	845
	Low	8.1	10	4,500	17	450x1	1300	935	845
ICE42A10	High	15.7	10	12,250	27	450x2	2150	935	845
	Low	13.4	10	9,380	22	450x2	2150	935	845
ICE42B10	High	18.6	10	11,750	26	450x2	2150	935	845
	Low	15.8	10	8,990	20	450x2	2150	935	845
ICE43A10	High	23.6	10	18,380	29	450x3	3000	935	845
	Low	20.2	10	14,070	23	450x3	3000	935	845
ICE43B10	High	28.6	10	17,630	28	450x3	3000	935	845
	Low	24.1	10	13,490	22	450x3	3000	935	845
ICE44B10	High	38	10	23,510	30	450x4	3850	935	845
	Low	32	10	17,980	23	450x4	3850	935	845
ICE51A10	High	14.5	10	10,860	33	560x1	1550	1070	1020
	Low	11.6	10	7,660	23	560x1	1550	1070	1020
ICE51B10	High	17.1	10	10,490	33	560x1	1550	1070	1020
	Low	13.6	10	7,370	22	560x1	1550	1070	1020
ICE52A10	High	28.3	10	21,710	37	560x2	2650	1070	1020
	Low	22.8	10	15,330	26	560x2	2650	1070	1020
ICE52B10	High	34.4	10	20,980	36	560x2	2650	1070	1020
	Low	27.2	10	14,740	25	560x2	2650	1070	1020
ICE52D10	High	42.7	10	19,670	36	560x2	2650	1070	1020
	Low	32.9	10	13,750	25	560x2	2650	1070	1020
ICE53A10	High	41.5	10	32,570	39	560x3	3750	1070	1020
	Low	33.7	10	22,990	27	560x3	3750	1070	1020
ICE53B10	High	50.2	10	31,470	39	560x3	3750	1070	1020
	Low	40.1	10	22,110	27	560x3	3750	1070	1020
ICE53D10	High	63.2	10	29,500	38	560x3	3750	1070	1020
	Low	48.9	10	20,630	27	560x3	3750	1070	1020
ICE54A10	High	56.9	10	43,430	40	560x4	4850	1070	1020
	Low	45.8	10	30,660	29	560x4	4850	1070	1020
ICE54B10	High	69	10	41,960	40	560x4	4850	1070	1020
	Low	54.5	10	29,480	29	560x4	4850	1070	1020
ICE54D10	High	85.8	10	39,330	40	560x4	4850	1070	1020
	Low	66	10	27,510	28	560x4	4850	1070	1020
ICE62A10	High	40.1	10	30,900	52	630x2	2650	1070	1197
	Low	37.8	10	28,000	43	630x2	2650	1070	1197
ICE62B10	High	48.8	10	30,040	51	630x2	2650	1070	1197
	Low	45.5	10	27,000	42	630x2	2650	1070	1197
ICE62D10	High	58.6	10	28,600	49	630x2	2650	1070	1197
	Low	54	10	25,250	39	630x2	2650	1070	1197
ICE63B10	High	71.5	10	45,060	53	630x3	3750	1070	1197
	Low	66.9	10	40,500	43	630x3	3750	1070	1197
ICE63D10	High	90.7	10	42,900	51	630x3	3750	1070	1197
	Low	83.2	10	37,880	40	630x3	3750	1070	1197
ICE64B10	High	97.9	10	60,080	54	630x4	4850	1070	1197
	Low	91.4	10	54,000	44	630x4	4850	1070	1197
ICE64D10	High	124	10	57,200	52	630x4	4850	1070	1197
	Low	113	10	50,500	41	630x4	4850	1070	1197
ICE65C10	High	134	10	73,660	55	630x5	5950	1070	1197
	Low	125	10	65,000	45	630x5	5950	1070	1197
ICE65D10	High	148	10	71,500	53	630x5	5950	1070	1197
	Low	137	10	63,130	43	630x5	5950	1070	1197

Model	Fan Speed	Cap RT 0°C D8	Fin Space	Air Flow	Air Throw	Fan	Dimension		
		kW	mm	m ³	m	Ø mm. x NO.	W	D	H
ICE41B12	High	9.2	12	6,040	24	450x1	1300	935	845
	Low	7.6	12	4,560	18	450x1	1300	935	845
ICE42A12	High	14.9	12	12,420	28	450x2	2150	935	845
	Low	12.6	12	9,510	23	450x2	2150	935	845
ICE42B12	High	18	12	12,090	27	450x2	2150	935	845
	Low	15.1	12	9,120	21	450x2	2150	935	845
ICE43A12	High	22.4	12	18,620	30	450x3	3000	935	845
	Low	19	12	14,270	24	450x3	3000	935	845
ICE43B12	High	27.5	12	18,130	29	450x3	3000	935	845
	Low	22.9	12	13,680	23	450x3	3000	935	845
ICE44B12	High	36.6	12	24,170	31	450x4	3850	935	845
	Low	30.5	12	18,240	24	450x4	3850	935	845
ICE51A12	High	13.3	12	10,930	34	560x1	1550	1070	1020
	Low	10.7	12	7,760	24	560x1	1550	1070	1020
ICE51B12	High	16	12	10,710	34	560x1	1550	1070	1020
	Low	12.6	12	7,470	23	560x1	1550	1070	1020
ICE52A12	High	26	12	21,860	38	560x2	2650	1070	1020
	Low	20.9	12	15,530	27	560x2	2650	1070	1020
ICE52B12	High	32.2	12	21,420	37	560x2	2650	1070	1020
	Low	25.3	12	14,930	26	560x2	2650	1070	1020
ICE52D12	High	40.8	12	20,250	37	560x2	2650	1070	1020
	Low	31.5	12	14,150	26	560x2	2650	1070	1020
ICE53A12	High	38.4	12	32,790	40	560x3	3750	1070	1020
	Low	31.1	12	23,290	28	560x3	3750	1070	1020
ICE53B12	High	47.2	12	32,130	40	560x3	3750	1070	1020
	Low	37.4	12	22,400	28	560x3	3750	1070	1020
ICE53D12	High	60.4	12	30,380	39	560x3	3750	1070	1020
	Low	46.8	12	21,220	28	560x3	3750	1070	1020
ICE54A12	High	52.3	12	43,720	41	560x4	4850	1070	1020
	Low	42	12	31,050	30	560x4	4850	1070	1020
ICE54B12	High	64.5	12	42,840	41	560x4	4850	1070	1020
	Low	50.7	12	29,870	30	560x4	4850	1070	1020
ICE54D12	High	81.8	12	40,500	41	560x4	4850	1070	1020
	Low	63.1	12	28,290	29	560x4	4850	1070	1020
ICE62A12	High	36.9	12	31,190	53	630x2	2650	1070	1197
	Low	34.7	12	28,250	44	630x2	2650	1070	1197
ICE62B12	High	45.6	12	30,610	52	630x2	2650	1070	1197
	Low	42.6	12	27,500	43	630x2	2650	1070	1197
ICE62D12	High	56	12	29,180	50	630x2	2650	1070	1197
	Low	51.9	12	26,000	41	630x2	2650	1070	1197
ICE63B12	High	67.2	12	45,920	54	630x3	3750	1070	1197
	Low	62.7	12	41,250	44	630x3	3750	1070	1197
ICE63D12	High	86.3	12	43,760	52	630x3	3750	1070	1197
	Low	79.7	12	39,000	42	630x3	3750	1070	1197
ICE64B12	High	91.5	12	61,230	55	630x4	4850	1070	1197
	Low	85.3	12	55,000	45	630x4	4850	1070	1197
ICE64D12	High	117	12	58,350	53	630x4	4850	1070	1197
	Low	108	12	52,000	43	630x4	4850	1070	1197
ICE65C12	High	127	12	74,380	56	630x5	5950	1070	1197
	Low	118	12	66,250	46	630x5	5950	1070	1197
ICE65D12	High	142	12	72,940	54	630x5	5950	1070	1197
	Low	131	12	65,000	44	630x5	5950	1070	1197

GDE UNIT COOLER

GDE

The dual discharge GDE range has been specifically designed for cold rooms with limited height for the preservation of fresh or frozen products and in food preparation and handling.



Model	Fan Speed	Cap RT 0° CTD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension			
							W	D	H	
GDE311E3	High	4.2	3	1450	2x7	315x1	780	885	217	
	Low	3.5	3	1150	2x5		780	885	217	
GDE312E3	High	8.3	3	2900	2x8	315x2	780	1435	217	
	Low	7.3	3	2300	2x6		780	1435	217	
GDE313E3	High	12.5	3	4350	2x9	315x3	780	1985	217	
	Low	10.9	3	3450	2x7		780	1985	217	
GDE314E3	High	16.6	3	5800	2x10	315x4	780	2535	217	
	Low	14.5	3	4600	2x8		780	2535	217	
GDE315E3	High	20.7	3	7250	2x12	315x5	780	3085	217	
	Low	18.1	3	5750	2x9		780	3085	217	
GDE316E3	High	24.8	3	8700	2x14	315x6	780	3635	217	
	Low	21.7	3	6900	2x11		780	3635	217	
GDE361A3	High Speed	6.9	3	2050	2x11	350x1	970	885	257	
GDE362A3		14	3	4100	2x12	350x2	970	1435	257	
GDE363A3		20.7	3	6150	2x14	350x3	970	1985	257	
GDE364A3		27.1	3	8200	2x15	350x4	970	2535	257	
GDE365F3		35.2	3	11000	2x16	350x5	970	3085	257	
GDE351E3	Low Speed	4.4	3	1400	2x8	350x1	970	885	257	
		GDE352E3	8.8	3	2800	2x10	350x2	970	1435	257
		GDE353E3	13.3	3	4200	2x11	350x3	970	1985	257
		GDE354E3	17.5	3	5600	2x11	350x4	970	2535	257
		GDE355F3	25.5	3	6800	2x12	350x5	970	3085	257
GDE311E4	High	2.7	4	1470	2x7	315x1	780	885	217	
	Low	2.4	4	1180	2x5		780	885	217	
GDE312E4	High	5.5	4	2940	2x8	315x2	780	1435	217	
	Low	4.8	4	2360	2x6		780	1435	217	
GDE313E4	High	8.2	4	4410	2x9	315x3	780	1985	217	
	Low	7.2	4	3540	2x7		780	1985	217	
GDE314E4	High	10.9	4	5880	2x10	315x4	780	2535	217	
	Low	9.6	4	4720	2x8		780	2535	217	
GDE315E4	High	13.3	4	7350	2x12	315x5	780	3085	217	
	Low	11.7	4	5900	2x9		780	3085	217	
GDE316E4	High	15.9	4	8820	2x14	315x6	780	3635	217	
	Low	14	4	7080	2x11		780	3635	217	
GDE361A4	High Speed	4.6	4	2230	2x12	350x1	970	885	257	
GDE362A4		9.3	4	4460	2x13	350x2	970	1435	257	
GDE363A4		14.1	4	6690	2x15	350x3	970	1985	257	
GDE364A4		18.4	4	8920	2x16	350x4	970	2535	257	
GDE365F4		22.6	4	11750	2x17	350x5	970	3085	257	
GDE351E4	Low Speed	2.9	4	1480	2x9	350x1	970	885	257	
		GDE352E4	5.8	4	2960	2x11	350x2	970	1435	257
		GDE353E4	8.6	4	4440	2x12	350x3	970	1985	257
		GDE354E4	11.6	4	5920	2x12	350x4	970	2535	257
		GDE355F4	16.4	4	7100	2x13	350x5	970	3085	257

Model	Fan Speed	Cap RT 0° CTD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
							W	D	H
GDE311E7	High	2.1	7	1560	2x8	315x1	780	885	217
	Low	1.9	7	1290	2x6		780	885	217
GDE312E7	High	4.3	7	3120	2x9	315x2	780	1435	217
	Low	3.9	7	2580	2x7		780	1435	217
GDE313E7	High	6.5	7	4680	2x10	315x3	780	1985	217
	Low	5.8	7	3870	2x8		780	1985	217
GDE314E7	High	8.7	7	6240	2x11	315x4	780	2535	217
	Low	7.8	7	5160	2x9		780	2535	217
GDE315E7	High	10.9	7	7800	2x13	315x5	780	3085	217
	Low	9.7	7	6450	2x10		780	3085	217
GDE316E7	High	12.8	7	9360	2x15	315x6	780	3635	217
	Low	11.4	7	7740	2x12		780	3635	217
GDE361A7	High Speed	3.9	7	2450	2x13	350x1	970	885	257
GDE362A7		7.8	7	4900	2x14	350x2	970	1435	257
GDE363A7		11.7	7	7350	2x16	350x3	970	1985	257
GDE364A7		15.5	7	9800	2x17	350x4	970	2535	257
GDE365F7		18.7	7	12900	2x18	350x5	970	3085	257
GDE351E7		Low Speed	2.2	7	1600	2x10	350x1	970	885
GDE352E7	4.5		7	3200	2x12	350x2	970	1435	257
GDE353E7	6.8		7	4800	2x13	350x3	970	1985	257
GDE354E7	9.1		7	6400	2x13	350x4	970	2535	257
GDE355F7	13.6		7	7850	2x13	350x5	970	3085	257

IDE

The IDE range of dual discharge unit coolers has been specifically designed for applications in large cold rooms and refrigerated storerooms with limited height, suitable for the preservation of fresh and frozen products



Model	Fan Speed	Cap RT 0° CTD8 kW	Fin Space mm	Air Flow m ³	Air Throw m	Fan Ø mm. x NO.	Dimension		
							W	D	H
IDE41A04	High	8.4	4	4210	2x11	450x1	1594	1300	490
	Low	7.6	4	3480	2x7		1594	1300	490
IDE41B04	High	10.1	4	4090	2x10	450x1	1594	1300	490
	Low	9	4	3470	2x6		1594	1300	490
IDE42A04	High	17.3	4	8420	2x12	450x2	1594	2150	490
	Low	15.7	4	6960	2x8		1594	2150	490
IDE42B04	High	19.5	4	8180	2x11	450x2	1594	2150	490
	Low	17.5	4	6940	2x7		1594	2150	490
IDE43A04	High	26.2	4	12630	2x13	450x3	1594	3000	490
	Low	23.7	4	10440	2x9		1594	3000	490
IDE43B04	High	30	4	12270	2x12	450x3	1594	3000	490
	Low	26.9	4	10410	2x8		1594	3000	490
IDE52A04	High	35.2	4	16290	2x15	560x2	1809	2760	680
	Low	31.5	4	13640	2x11		1809	2760	680
IDE52B04	High	36.7	4	15680	2x14	560x2	1809	2760	680
	Low	32.6	4	13040	2x10		1809	2760	680
IDE53A04	High	51.4	4	24430	2x16	560x3	1809	3860	680
	Low	46.1	4	20460	2x12		1809	3860	680
IDE53B04	High	58.4	4	23520	2x15	560x3	1809	3860	680
	Low	51.5	4	19560	2x11		1809	3860	680

IDE UNIT COOLER

Model	Fan Speed	Cap RT 0°CTD8	Fin Space	Air Flow	Air Throw	Fan Ø mm. x NO.	Dimension		
		kW	mm	m ³	m		W	D	H
IDE54A04	High	70.8	4	32570	2x17	560x4	1809	4960	680
	Low	63.3	4	27280	2x13		1809	4960	680
IDE54B04	High	78.6	4	31360	2x16	560x4	1809	4960	680
	Low	69.2	4	26090	2x12		1809	4960	680
IDE41A07	High	7.5	7	4360	2x12	450x1	1594	1300	490
	Low	6.9	7	3870	2x9		1594	1300	490
IDE41B07	High	9.1	7	4270	2x11	450x1	1594	1300	490
	Low	8.3	7	3720	2x8		1594	1300	490
IDE42A07	High	15.2	7	8720	2x13	450x2	1594	2150	490
	Low	14.2	7	7740	2x10		1594	2150	490
IDE42B07	High	17.8	7	8540	2x12	450x2	1594	2150	490
	Low	16.3	7	7440	2x9		1594	2150	490
IDE43A07	High	23	7	13080	2x14	450x3	1594	3000	490
	Low	21.4	7	11610	2x11		1594	3000	490
IDE43B07	High	27.2	7	12810	2x13	450x3	1594	3000	490
	Low	24.8	7	11160	2x10		1594	3000	490
IDE52A07	High	30.5	7	16790	2x16	560x2	1809	2760	680
	Low	27.4	7	14230	2x13		1809	2760	680
IDE52B07	High	33.7	7	16390	2x15	560x2	1809	2760	680
	Low	30.2	7	13840	2x12		1809	2760	680
IDE53A07	High	44.8	7	25190	2x17	560x3	1809	3860	680
	Low	40.5	7	21350	2x14		1809	3860	680
IDE53B07	High	52.9	7	24580	2x16	560x3	1809	3860	680
	Low	47.2	7	20760	2x13		1809	3860	680
IDE54A07	High	61.2	7	33580	2x18	560x4	1809	4960	680
	Low	55	7	28470	2x15		1809	4960	680
IDE54B07	High	71	7	32770	2x17	560x4	1809	4960	680
	Low	63.3	7	27680	2x14		1809	4960	680
IDE41A10	High	6.5	10	4450	2x13	450x1	1594	1300	490
	Low	6	10	3970	2x10		1594	1300	490
IDE41B10	High	8	10	4390	2x12	450x1	1594	1300	490
	Low	7.4	10	3900	2x9		1594	1300	490
IDE42A10	High	13.2	10	8900	2x14	450x2	1594	2150	490
	Low	12.3	10	7940	2x11		1594	2150	490
IDE42B10	High	15.9	10	8780	2x13	450x2	1594	2150	490
	Low	14.7	10	7800	2x10		1594	2150	490
IDE43A10	High	19.9	10	13350	2x15	450x3	1594	3000	490
	Low	18.5	10	11910	2x12		1594	3000	490
IDE43B10	High	24.1	10	13170	2x14	450x3	1594	3000	490
	Low	22.3	10	11700	2x11		1594	3000	490
IDE52A10	High	26.1	10	17090	2x17	560x2	1809	2760	680
	Low	23.4	10	14530	2x14		1809	2760	680
IDE52B10	High	30.1	10	16790	2x16	560x2	1809	2760	680
	Low	27	10	14230	2x13		1809	2760	680
IDE53A10	High	38.6	10	25640	2x18	560x3	1809	3860	680
	Low	34.8	10	21800	2x15		1809	3860	680
IDE53B10	High	46.7	10	25190	2x17	560x3	1809	3860	680
	Low	41.7	10	21350	2x14		1809	3860	680
IDE54A10	High	52.3	10	34190	2x19	560x4	1809	4960	680
	Low	46.9	10	29060	2x16		1809	4960	680
IDE54B10	High	62.5	10	33580	2x18	560x4	1809	4960	680
	Low	55.8	10	28470	2x15		1809	4960	680

D Series of air cooler

Feature

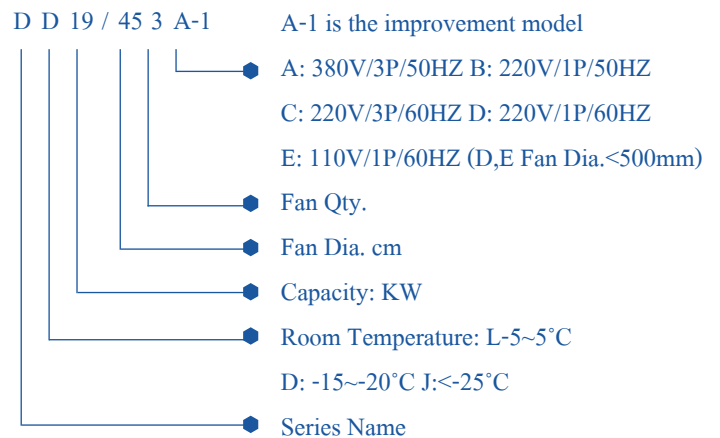
The D series of air cooler is a kind of indoor cooling equipment matching with Freon condensing unit for all kinds of cold room, as per different temperature, has DL, DD, DJ 3 sub series of production for different range temperature needed.

DL air cooler for around 0°C, mainly use for fresh-keep cold storage; DD for around -18°C, mainly use for cold storage; Dj for temperature below -25°C - -30°C, specially use for blast freezer room.

This series products features

- Cabinet of steel plate with plastic spray, corrosion proof and pleasant looking.
- Mechanically expanded pipes with AL fins with good transfer performance.
- Inside are evenly arranged with defrosting heater.
- The bottom has double water receivers, effective for anti-freezing.
- Long distance air throw is optional.

Mode Code



DL

Model	Cap R22 DT=7K to=-7° C"	Fin Space	Air Flow	Distance	Fan	Dimension		
	kW					mm	m ³	m
DL2.2/311A	2.2	4.5	1500	9	310 x 1	642	445	465
DL3.5/311A	3.5	4.5	1500	9	310 x 1	642	445	465
DL4.7/312A	4.7	4.5	3000	9	310 x 2	1092	445	465
DL6/312A	6	4.5	3000	9	310 x 2	1108	455	465
DL9/352A	9	4.5	4500	10	350 x 2	1408	455	465
DL12.5/402A	12.5	4.5	7000	12	400 x 2	1488	555	565
DL14.5/402A	14.5	4.5	7000	12	400 x 2	1488	555	665
DL17/402A-1	17	4.5	7000	12	400 x 2	1680	555	665
DL25/502A-1	25	4.5	12000	15	500 x 2	2121	595	665
DL29/453A-1	29	4.5	13500	14	450 x 3	2695	595	665
DL36.5/503A-1	36.5	4.5	18000	15	500 x 3	2695	595	765
DL42/503A-1	42	4.5	18000	15	500 x 3	2890	595	765
DL49/503A-1	49	4.5	18000	15	500 x 3	2890	675	765
DL59/504A-1	59	4.5	24000	15	500 x 4	3778	685	865
DL70/554A-1	70	4.5	30000	18	550 x 4	3778	685	975
DL84/554A-1	84	4.5	30000	18	550 x 4	3978	785	975
DL103/604A-1	103	4.5	42000	18	600 x 4	3978	785	975
DL112/634A-1	112	4.5	46000	18	630 x 4	3988	785	1075
DL122/634A-1	122	4.5	46000	20	630 x 4	3988	785	1175

D SERIES OF AIR COOLER



DD

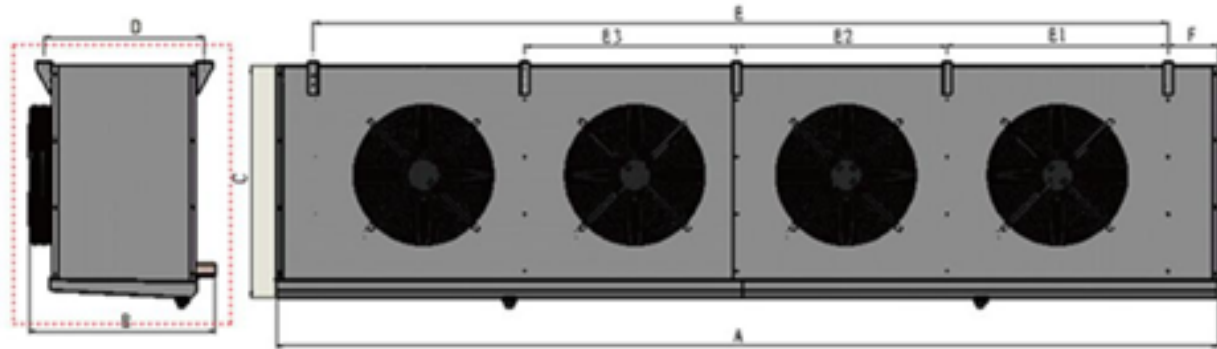
Model	Cap R22 DT=7K to=-25° C kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
DD1.4/311A	1.4	6	1500	9	310 x 1	642	445	465
DD2.3/311A	2.3	6	1500	9	310 x 1	642	445	465
DD3/312A	3	6	3000	9	310 x 2	1092	445	465
DD4.5/312A	4.5	6	3000	9	310 x 2	1108	455	465
DD6/352A	6	6	4500	10	350 x 2	1408	455	465
DD7.5/402A	7.5	6	7000	12	400 x 2	1488	555	565
DD9/402A	9	6	7000	12	400 x 2	1488	555	665
DD11/402A-1	11	6	7000	12	400 x 2	1680	555	665
DD15.5/502A-1	15.5	6	12000	15	500 x 2	2121	595	665
DD19/453A-1	19	6	13500	14	450 x 3	2695	595	665
DD24/503A-1	24	6	18000	15	500 x 3	2695	595	765
DD29/503A-1	29	6	18000	15	500 x 3	2890	595	765
DD32/503A-1	32	6	18000	15	500 x 3	2890	675	765
DD38/504A-1	38	6	24000	15	500 x 4	3778	685	865
DD47/554A-1	47	6	30000	18	550 x 4	3778	685	975
DD58/554A-1	58	6	30000	18	550 x 4	3978	785	975
DD72/604A-1	72	6	42000	18	600 x 4	3978	785	975
DD79/634A-1	79	6	46000	18	630 x 4	3988	785	1075
DD88/634A-1	88	6	46000	20	630 x 4	3988	785	1175

Temperature difference Δt(K)	Temperature (°C)						
	-2	0	2	4	6	8	10
10	1.21	1.25	1.29	1.31	1.34	1.35	1.35
8	1.09	1.12	1.15	1.18	1.2	1.21	1.21
7	0.97	1	1.03	1.05	1.07	1.08	1.08
6	0.83	0.86	0.89	0.9	0.92	0.93	0.93

Temperature difference Δt(K)	Temperature (°C)					
	-23	-18	-13	-8	-3	2
8	1.1	1.12	1.15	1.18	1.2	1.21
7	0.98	1	1.03	1.05	1.07	1.08
6	0.84	0.86	0.89	0.9	0.92	0.93

DL model temperature coefficient A1

DD model temperature coefficient A1



DJ

Model	Cap R22 DT=7K to=-32° C	Fin Space mm	Air Flow m3	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
DJ1.7/311A	1.7	9	1500	9	310 x 1	642	445	465
DJ2.2/312A	2.2	9	3000	9	310 x 2	1092	445	465
DJ2.7/312A	2.7	9	3000	9	310 x 2	1108	455	465
DJ4.2/352A	4.2	9	4500	10	350 x 2	1408	455	465
DJ5.6/402A	5.6	9	7000	12	400 x 2	1488	555	565
DJ6.8/402A	6.8	9	7000	12	400 x 2	1488	555	665
DJ7.8/402A-1	7.8	9	7000	12	400 x 2	1680	555	665
DJ11.5/502A-1	11.5	9	12000	15	500 x 2	2121	595	665
DJ14/453A-1	14	9	13500	14	450 x 3	2695	595	665
DJ17/503A-1	17	9	18000	15	500 x 3	2695	595	765
DJ20/503A-1	20	9	18000	15	500 x 3	2890	595	765
DJ23/503A-1	23	9	18000	15	500 x 3	2890	675	765
DJ26/504A-1	26	9	24000	15	500 x 4	3778	685	865
DJ31/554A-1	31	9	30000	18	550 x 4	3778	685	975
DJ40/554A-1	40	9	30000	18	550 x 4	3978	785	975
DJ49/604A-1	49	9	42000	18	600 x 4	3978	785	975
DJ53.6/634A-1	53.6	9	46000	18	630 x 4	3988	785	1075
DJ58/634A-1	58	9	46000	20	630 x 4	3988	785	1175
DD88/634A-1	88	6	46000	20	630 x 4	3988	785	1175

Temperature difference Δt(K)	Temperature (°C)					
	-28	-25	-18	-13	-8	-3
8	1.1	1.12	1.14	1.16	1.2	1.22
7	0.98	1	1.02	1.04	1.07	1.09
6	0.84	0.86	0.88	0.89	0.92	0.94

DJ model temperature coefficient A1

Capacity	Influence coefficient
R22	1
R507A	1.03
R404A	1.05

DJ model capacity coefficient A2

MAC Series Air Coolers

Feature

MAC Series ceiling air cooler is Freon refrigerator units, can be used for the food fresh, cold storage and quick freezing etc

Mode Code

MAC 98 / 3 45 M E



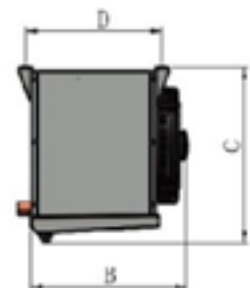
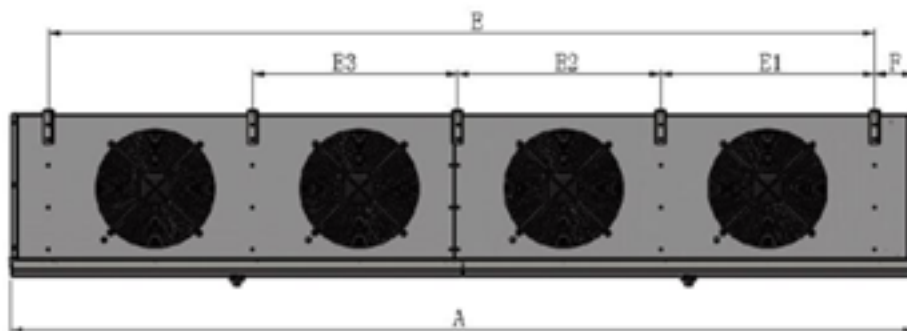
This series products features

- Coil made of $\Phi 12.7$ efficient copper tube with internal thread, 37.5x32.5 positioned in equilateral triangle.
- 4 different fin space of 4.0, 4.6, 8.5, 10.0 for customer's choice to meet different temperature requirement of the room.
- External rotor fan for low temperature, with low noise, high efficiency, and reliability.
- Stainless steel electric heater produced by Italian Zuomoshi Company, which evenly placed in the coil with good defrosting effect.
- Fan motor and electric heater has been connected to the terminal box, convenient for wire connection.
- Shell made of alloy of aluminum or stainless plate, easy to be assembled and disassembled.

MAC

Model for room temp 0° C and beyond t	Cap R22 RT=0° C DT=8K EV=-8° C	Fin Space mm	Air Flow m3	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
MAC17/135HE	3.67	4	2500	12	350X1	890	495	588
MAC25/135HE	5.15	4	2300	11	350X1	890	495	588
MAC34/235HE	7.34	4	5000	13	350X2	1490	528	588
MAC51/235HE	10.36	4	4600	12	350X2	1490	528	588
MAC51/335HE	11.12	4	7500	14	350X3	2085	460	575
MAC76/335HE	15.49	4	6900	13	350X3	2085	460	575
MAC48/145HE	9.98	4	5000	14	450X1	1205	600	730
MAC64/145HE	12.07	4	4800	12	450X1	1205	600	730
MAC95/245HE	19.95	4	10000	16	450X2	2055	600	730
MAC127/245HE	24.13	4	9600	14	450X2	2055	600	730
MAC143/345HE	29.93	4	15000	18	450X3	2905	600	730
MAC191/345HE	36.29	4	14400	16	450X3	2905	600	730
MAC191/445HE	39.9	4	20000	18	450X4	3755	600	730
MAC254/445HE	48.26	4	19200	16	450X4	3755	600	730
MAC206/255HE	39.14	4	15600	20	550X2	2577	715	890
MAC257/255HE	46.48	4	15200	18	550X2	2577	715	890
MAC310/355HE	58.19	4	23400	22	550X3	3677	715	890
MAC385/355HE	69.71	4	22800	20	550X3	3677	715	890
MAC410/455HE	78.29	4	31200	23	550X4	4777	715	890
MAC514/455HE	93.05	4	30400	21	550X4	4777	715	890
MAC290/263HE	54.86	4	23600	30	630X2	2577	775	1186
MAC360/263HE	65.05	4	21600	28	630X2	2577	775	1186
MAC432/363HE	82.19	4	35400	30	630X3	3677	775	1186
MAC540/363HE	97.62	4	32400	28	630X3	3677	775	1186
MAC576/463HE	109.52	4	47200	30	630X4	4777	775	1186
MAC720/463HE	130.2	4	43200	28	630X4	4777	775	1186

Model for room temp -18° C and beyond	Cap R22 RT=0° C DT=8K EV=-8° C	Fin Space mm	Air Flow m3	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
MAC12/135ME	2.95	6	2800	13	350X1	890	495	588
MAC17/135ME	4.11	6	2500	12	350X1	890	495	588
MAC23/235ME	5.9	6	5600	14	350X2	1490	528	588
MAC35/235ME	8.22	6	5000	13	350X2	1490	528	588
MAC35/335ME	8.87	6	8400	15	350X3	2085	460	575
MAC52/335ME	12.35	6	7500	14	350X3	2085	460	575
MAC33/145ME	7.26	6	5200	15	450X1	1205	600	730
MAC44/145ME	8.68	6	5000	14	450X1	1205	600	730
MAC65/245ME	14.54	6	10400	16	450X2	2055	600	730
MAC87/245ME	17.39	6	10000	15	450X2	2055	600	730
MAC98/345ME	21.95	6	15600	18	450X3	2905	600	730
MAC131/345ME	26.03	6	15000	16	450X3	2905	600	730
MAC131/445ME	29.17	6	20800	20	450X4	3755	600	730
MAC174/445ME	34.68	6	20000	18	450X4	3755	600	730
MAC141/255ME	30.1	6	16600	24	550X2	2577	715	890
MAC176/255ME	35.24	6	15600	22	550X2	2577	715	890
MAC210/355ME	43.24	6	24900	26	550X3	3677	715	890
MAC264/355ME	52.76	6	23400	24	550X3	3677	715	890
MAC282/455ME	56.29	6	33200	28	550X4	4777	715	890
MAC352/455ME	70.38	6	31200	26	550X4	4777	715	890
MAC197/263ME	41.3	6	23600	28	630X2	2577	775	1186
MAC246/263ME	49.24	6	21600	24	630X2	2577	775	1186
MAC296/363ME	62	6	35400	30	630X3	3677	775	1186
MAC370/363ME	73.9	6	32400	26	630X3	3677	775	1186
MAC394/463ME	82.57	6	47200	30	630X4	4777	775	1186
MAC493/463ME	98.57	6	43200	28	630X4	4777	775	1186



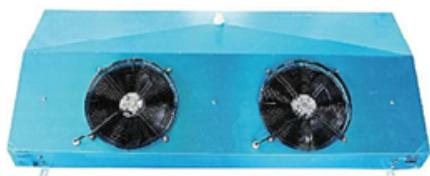
Model for room temp -25° C and beyond	Cap R22 RT=0° C DT=8K EV=-8° C	Fin Space mm	Air Flow m3	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
MAC9/135LE	2.47	8.5	3000	13	350X1	890	495	588
MAC13/135LE	3.33	8.5	2600	11	350X1	890	495	588
MAC17/235LE	4.94	8.5	6000	13	350X2	1490	528	588
MAC26/235LE	6.65	8.5	5200	12	350X2	1490	528	588
MAC26/335LE	7.32	8.5	9000	14	350X3	2085	460	575
MAC39/335LE	9.98	8.5	7800	13	350X3	2085	460	575
MAC25/145LE	6.27	8.5	5000	14	450X1	1205	600	730
MAC33/145LE	7.79	8.5	4800	14	450X1	1205	600	730

MAC SERIES AIR COOLER

Model for room temp -25° C and beyond	Cap R22 RT=0° C DT=8K EV=-8° C	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
MAC50/245LE	12.54	8.5	10000	18	450X2	2055	600	730
MAC65/245LE	15.49	8.5	9600	16	450X2	2055	600	730
MAC74/345LE	18.81	8.5	15000	20	450X3	2905	600	730
MAC98/345LE	23.28	8.5	14400	18	450X3	2905	600	730
MAC98/445LE	25.18	8.5	20000	22	450X4	3755	600	730
MAC131/445LE	31.07	8.5	19200	20	450X4	3755	600	730
MAC106/255LE	25.14	8.5	16600	24	550X2	2577	715	890
MAC132/255LE	28.95	8.5	15600	22	550X2	2577	715	890
MAC160/355LE	37.7	8.5	24900	26	550X3	3677	715	890
MAC198/355LE	43.43	8.5	23400	24	550X3	3677	715	890
MAC210/455LE	50.29	8.5	33200	28	550X4	4777	715	890
MAC264/455LE	57.8	8.5	31200	26	550X4	4777	715	890
MAC150/263LE	35.24	8.5	23600	28	630X2	2577	775	1186
MAC185/263LE	40.57	8.5	21600	24	630X2	2577	775	1186
MAC222/363LE	52.86	8.5	35400	30	630X3	3677	775	1186
MAC277/363LE	60.76	8.5	32400	26	630X3	3677	775	1186
MAC296/463LE	70.38	8.5	47200	30	630X4	4777	775	1186
MAC370/463LE	80.95	8.5	43200	28	630X4	4777	775	1186

Model for room temp -35° C and beyond	Cap R22 RT=0° C DT=8K EV=-8° C	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
MAC21/145JE	5.8	10	5000	14	450X1	1205	600	730
MAC28/145JE	7.22	10	4800	14	450X1	1205	600	730
MAC43/245JE	11.69	10	10000	18	450X2	2055	600	730
MAC57/245JE	14.54	10	9600	16	450X2	2055	600	730
MAC64/345JE	17.48	10	15000	20	450X3	2905	600	730
MAC85/345JE	21.85	10	14400	18	450X3	2905	600	730
MAC85/445JE	23.47	10	20000	22	450X4	3755	600	730
MAC113/445JE	29.07	10	19200	20	450X4	3755	600	730
MAC92/255JE	25.24	10	16600	24	550X2	2577	715	890
MAC115/255JE	29.43	10	15600	22	550X2	2577	715	890
MAC140/355JE	37.9	10	24900	26	550X3	3677	715	890
MAC172/355JE	44.19	10	23400	24	550X3	3677	715	890
MAC183/455JE	50.57	10	33200	28	550X4	4777	715	890
MAC230/455JE	58.86	10	31200	26	550X4	4777	715	890
MAC130/263JE	35.3	10	23600	28	630X2	2577	775	1186
MAC160/263JE	41.24	10	21600	24	630X2	2577	775	1186
MAC192/363JE	53.05	10	35400	30	630X3	3677	775	1186
MAC240/363JE	61.8	10	32400	26	630X3	3677	775	1186
MAC256/463JE	70.76	10	47200	30	630X4	4777	775	1186
MAC320/463JE	82.38	10	43200	28	630X4	4777	775	1186
MAC150/263LE	35.24	8.5	23600	28	630X2	2577	775	1186
MAC185/263LE	40.57	8.5	21600	24	630X2	2577	775	1186
MAC222/363LE	52.86	8.5	35400	30	630X3	3677	775	1186
MAC277/363LE	60.76	8.5	32400	26	630X3	3677	775	1186
MAC296/463LE	70.38	8.5	47200	30	630X4	4777	775	1186
MAC370/463LE	80.95	8.5	43200	28	630X4	4777	775	1186

TEF



TEF 4 1 M

- M: -8°C evaporating Temp
- L: -25°C evaporating Temp
- Fans Nos.
- Size: 4-6
- TEF Series

Model	Cap R404A/ Evap Temp. -8 c° / 8 KTD kW	Fin Space mm	Air Flow m3	Dis- tance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TEF41 M	2.14	4.5	1100	9	300x1	874	607.5	264
TEF61 M	2.73	4.5	1035	9	300x1	874	607.5	264
TEF42 M	4.28	4.5	2200	11	300x2	1481	607.5	264
TEF62 M	5.16	4.5	2070	11	300x2	1481	607.5	264
TEF43 M	6.42	4.5	3300	12	300x3	2093	607.5	264
TEF63 M	7.69	4.5	3105	12	300x3	2093	607.5	264
TEF44 M	8.56	4.5	4400	16	300x4	2705	607.5	264
TEF64 M	10.12	4.5	4140	16	300x4	2705	607.5	264
TEF41 L	1.81	7	1300	9	300x1	874	607.5	264
TEF61 L	2.39	7	1130	9	300x1	874	607.5	264
TEF42 L	3.62	7	2600	11	300x2	1481	607.5	264
TEF62 L	4.48	7	2260	11	300x2	1481	607.5	264
TEF43 L	5.43	7	3900	12	300x3	2093	607.5	264
TEF63 L	6.67	7	3390	12	300x3	2093	607.5	264
TEF44 L	7.24	7	5200	16	300x4	2705	607.5	264
TEF64 L	8.76	7	4520	16	300x4	2705	607.5	264

TA



TA 3 1 25 4

- Fin Space mm
- Fan Motor Dia cm
- Fan Motor Qty
- Size: 3-6
- Series Name

Model	Cap R404A Room Temp.= 0° C / 8 KTD kW	Fin Space mm	Air Flow m3	Dis- tance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TA-31254	1.57	4	820	4	250X1	774	409	375
TA-41254	1.86	4	760	4	250X1	774	409	375
TA-31304	2.63	4	1380	6	300X1	874	424	452
TA-41304	2.85	4	1300	5	300X1	874	424	452
TA-41404	5.75	4	3020	8	400X1	1024	514	532
TA-61404	6.49	4	2720	7	400X1	1024	514	532
TA-41504	10.82	4	5800	17	500X1	1275	594	680
TA-61504	12.45	4	5270	16	500X1	1275	594	680
TA-42254	3.74	4	1520	6	250X2	1274	409	375
TA-32304	5.26	4	2760	8	300X2	1474	424	452
TA-42304	5.72	4	2600	7	300X2	1474	424	452
TA-42404	11.31	4	6040	12	400X2	1774	514	532
TA-62404	14.05	4	5440	11	400X2	1774	514	532
TA-42504	20.62	4	11600	22	500X2	2275	594	680
TA-62504	26.38	4	10540	21	500X2	2275	594	680
TA-43304	8.92	4	3900	10	300X3	2074	424	452
TA-43404	17.34	4	9060	15	400X3	2524	514	532
TA-63404	20.06	4	8160	13	400X3	2524	514	532
TA-43504	31.73	4	17400	26	500X3	3275	594	680
TA-63504	39.89	4	15810	24	500X3	3275	594	680
TA-44304	12.5	4	5200	12	300X4	2674	424	452
TA-64404	28.35	4	10880	16	400X4	3274	514	532
TA-44504	44.48	4	23200	28	500X4	4274	594	680
TA-64504	53.19	4	21080	26	500X4	4274	594	680

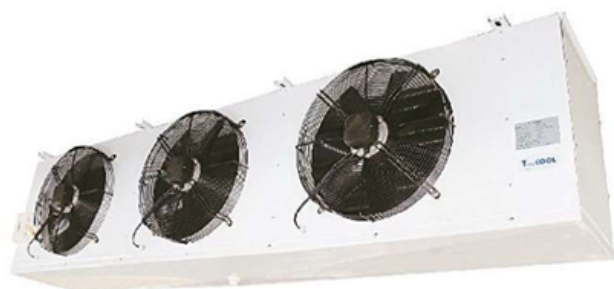
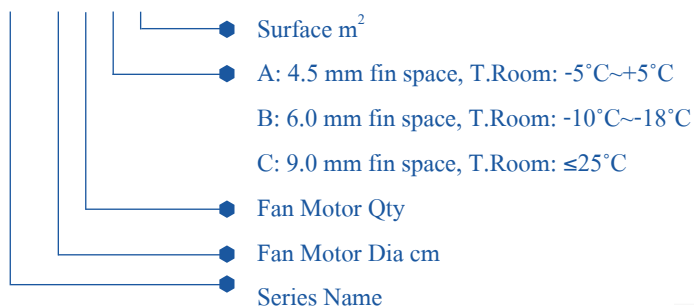
TA SERIES AIR COOLER

Model	Cap R404A/Room Temp. -18° C / DT1=7 KTD kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TA-31257	0.93	7	880	4	250X1	774	409	375
TA-41257	1.11	7	850	4	250X1	774	409	375
TA-31307	1.49	7	1450	7	300X1	874	424	452
TA-41307	1.78	7	1420	6	300X1	874	424	452
TA-41407	3.48	7	3320	9	400X1	1024	514	532
TA-61407	4.33	7	3080	8	400X1	1024	514	532
TA-41507	6.37	7	6250	18	500X1	1275	594	680
TA-61507	8.06	7	5880	17	500X1	1275	594	680
TA-42257	2.22	7	1700	6	250X2	1274	409	375
TA-32307	2.96	7	2900	9	300X2	1474	424	452
TA-42307	3.57	7	2840	8	300X2	1474	424	452
TA-42407	6.92	7	6640	13	400X2	1774	514	532
TA-62407	8.57	7	6160	12	400X2	1774	514	532
TA-42507	12.43	7	12500	23	500X2	2275	594	680
TA-62507	16.01	7	11760	22	500X2	2275	594	680
TA-43307	5.34	7	4260	11	300X3	2074	424	452
TA-43407	10.49	7	9960	16	400X3	2524	514	532
TA-63407	12.98	7	9240	14	400X3	2524	514	532
TA-43507	18.96	7	18750	27	500X3	3275	594	680
TA-63507	23.83	7	17640	25	500X3	3275	594	680
TA-44307	7.05	7	5200	13	300X4	2674	424	452
TA-64407	17.21	7	12320	17	400X4	3274	514	532
TA-44507	24.96	7	25000	30	500X4	4274	594	680
TA-64507	31.93	7	23520	28	500X4	4274	594	680

Model	Cap R404A Room Temp. -25 C / DT1=6 KTD kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TA-31259	0.79	9	920	5	250X1	774	409	375
TA-41259	0.89	9	900	4	250X1	774	409	375
TA-31309	1.27	9	1500	8	300X1	874	424	452
TA-41309	1.45	9	1480	7	300X1	874	424	452
TA-41409	2.61	9	3520	10	400X1	1024	514	532
TA-61409	3.28	9	3320	9	400X1	1024	514	532
TA-41509	5.06	9	6550	19	500X1	1275	594	680
TA-61509	6.5	9	6020	18	500X1	1275	594	680
TA-42259	1.79	9	1840	6	250X2	1274	409	375
TA-32309	2.53	9	3000	9	300X2	1474	424	452
TA-42309	2.9	9	2960	8	300X2	1474	424	452
TA-42409	5.2	9	7040	13	400X2	1774	514	532
TA-62409	6.55	9	6640	12	400X2	1774	514	532
TA-42509	10.11	9	13100	23	500X2	2275	594	680
TA-62509	12.99	9	12040	22	500X2	2275	594	680
TA-43309	4.35	9	44404	11	300X3	2074	424	452
TA-43409	7.81	9	10560	16	400X3	2524	514	532
TA-63409	9.83	9	9960	14	400X3	2524	514	532
TA-43509	15.18	9	19650	27	500X3	3275	594	680
TA-63509	19.49	9	18060	25	500X3	3275	594	680
TA-44309	5.81	9	5920	13	300X4	2674	424	452
TA-64409	13.12	9	13280	17	400X4	3274	514	532
TA-44509	20.21	9	26200	30	500X4	4274	594	680
TA-64509	25.96	9	24080	28	500X4	4274	594	680

TEH

TEH 30 1 A 10



Model	Cap R404A Te= -8 C° / Δt=8K kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TEH301A10	2312	4.5	1800	9	300X1	720	465	435
TEH302A15	3977	4.5	3600	9	300X2	1270	465	435
TEH302A20	4839	4.5	3600	9	300X2	1270	465	435
TEH303A25	6564	4.5	5400	9	300X3	1570	465	435
TEH402A40	8400	4.5	6200	17	400X2	1380	505	550
TEH402A55	11000	4.5	6200	17	400X2	1750	505	550
TEH502A80	17723	4.5	11020	25	500X2	1920	635	650
TEH502A105	23100	4.5	11020	25	500X2	1920	635	650
TEH503A125	27995	4.5	16530	25	500X3	2420	635	650
TEH503A160	34640	4.5	16530	25	500X3	2720	635	650
TEH504A185	40320	4.5	22040	25	500X4	3120	635	650
TEH504A210	46080	4.5	22040	25	500X4	3520	635	650
TEH504A260	52000	4.5	22040	25	500X4	3520	705	695
TEH604A330	67665	4.5	40000	30	600X4	3520	730	845
TEH604A410	82000	4.5	40000	30	600X4	3020	730	920
TEH605A470	93707	4.5	50000	30	600X5	3920	730	865
TEH605A580	116000	4.5	50000	30	600X5	3920	730	965

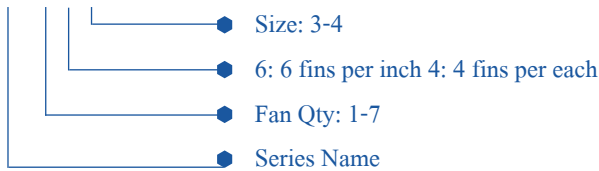
Model	Cap R404A Te= -25 C° / Δt=7K kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TEH301B7	1668	6	1800	10	300X1	720	465	435
TEH302B12	2864	6	3600	10	300X2	1270	465	435
TEH302B15	3503	6	3600	10	300X2	1270	465	435
TEH303B22	4748	6	5400	10	300X3	1570	465	435
TEH402B30	6039	6	6200	18	400X2	1380	505	550
TEH402B40	7459	6	6200	18	400X2	1750	505	550
TEH502B60	13067	6	11020	26	500X2	1920	635	650
TEH502B80	16280	6	11020	26	500X2	1920	635	650
TEH503B100	20630	6	16530	26	500X3	2420	635	650
TEH503B120	24420	6	16530	26	500X3	2720	635	650
TEH504B140	28490	6	22040	26	500X4	3120	635	650
TEH504B160	32560	6	22040	26	500X4	3520	635	650
TEH504B200	37000	6	22040	26	500X4	3520	705	695
TEH604B250	50141	6	40000	31	600X4	3520	730	845
TEH604B310	57350	6	40000	31	600X4	3020	730	920
TEH605B360	68615	6	50000	31	600X5	3920	730	865
TEH605B440	81400	6	50000	31	600X5	3920	730	965

TEH / TFE SERIES AIR COOLER

Model	Cap R404A Te= -31 C / Δt=6K kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TEH302C8	1921	9	3600	11	300X2	1270	465	435
TEH302C12	2340	9	3600	11	300X2	1270	465	435
TEH303C15	3189	9	5400	11	300X3	1570	465	435
TEH402C20	4090	9	6200	19	400X2	1380	505	550
TEH402C30	5930	9	6200	19	400X2	1750	505	550
TEH502C40	8821	9	11020	27	500X2	1920	635	650
TEH502C55	10063	9	11020	27	500X2	1920	635	650
TEH503C70	13957	9	16530	27	500X3	2420	635	650
TEH503C85	15104	9	16530	27	500X3	2720	635	650
TEH504C100	18603	9	22040	27	500X4	3120	635	650
TEH504C115	20142	9	22040	27	500X4	3520	635	650
TEH504C140	23366	9	22040	27	500X4	3520	705	695
TEH604C170	33931	9	40000	32	600X4	3520	730	845
TEH604C210	37122	9	40000	32	600X4	3020	730	920
TEH605C250	46491	9	50000	32	600X5	3920	730	865
TEH605C300	49729	9	50000	32	600X5	3920	730	965

TFE

TFE 1 6 3



Model	Cap R404A Te= -8C / Δt=8K kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TFE163	1710	4	1210	9	300X1	663	269	388
TFE164	2048	4	1210	9	300X1	663	269	388
TFE263	2893	4	2420	9	300X2	990	269	388
TFE264	3389	4	2420	9	300X2	990	269	388
TFE363	4310	4	3630	9	300X3	1317	269	388
TFE364	5023	4	3630	9	300X3	1317	269	388
TFE463	5998	4	4840	9	300X4	1644	269	388
TFE464	6910	4	4840	9	300X4	1644	269	388
TFE564	9648	4	6050	9	300X5	1971	269	388
TFE664	10487	4	7260	9	300X6	2354	269	388
TFE764	12030	4	8470	9	300X7	2666	269	388

Model	Cap R404A Te= -25C / Δt=7K kW	Fin Space mm	Air Flow m ³	Distance m	Fan Ø mm. x NO.	Dimension		
						W	D	H
TFE143	1130	6	1210	9	300X1	663	269	388
TFE144	1380	6	1210	9	300X1	663	269	388
TFE243	2335	6	2420	9	300X2	990	269	388
TFE244	2843	6	2420	9	300X2	990	269	388
TFE343	3460	6	3630	9	300X3	1317	269	388
TFE344	4140	6	3630	9	300X3	1317	269	388
TFE443	4536	6	4840	9	300X4	1644	269	388
TFE444	5003	6	4840	9	300X4	1644	269	388
TFE544	6810	6	6050	9	300X5	1971	269	388
TFE644	7503	6	7260	9	300X6	2354	269	388
TFE744	8606	6	8470	9	300X7	2666	269	388