

Product brochure

Aggregate Units

In-House Manufactured Condensing Units – Engineered for Professional Refrigeration

Discover **our own line of expertly developed and manufactured condensing units**, purpose-built to serve both our cold room systems and standalone commercial sales. These units combine exceptional reliability with high performance—making them a smart, dependable choice for both commercial and industrial refrigeration applications.

Available in both **single-phase and three-phase versions**, our units are designed to meet a wide variety of installation needs. Whether for **medium temperature (normal range) or low temperature (freezing range)** use, every unit comes fully assembled—offering a major advantage over many market alternatives that only provide partially equipped solutions. Each unit is **fitted with premium-quality Danfoss components**, guaranteeing long-lasting operation, trouble-free performance, and excellent energy efficiency.

Our product range spans a wide performance spectrum, from compact cold room solutions to large-scale industrial refrigeration systems—ensuring that you find the right unit for virtually any application. We have also placed a strong focus on **easy installation and simplified maintenance**, helping users save time and reduce operational costs in everyday practice.

At **Thermotechnika-Crown Cool Kft.**, we are driven by a passion for innovation and an uncompromising commitment to quality. Our in-house manufactured condensing units are a proud reflection of that dedication—designed to exceed expectations and deliver real value to your refrigeration projects.

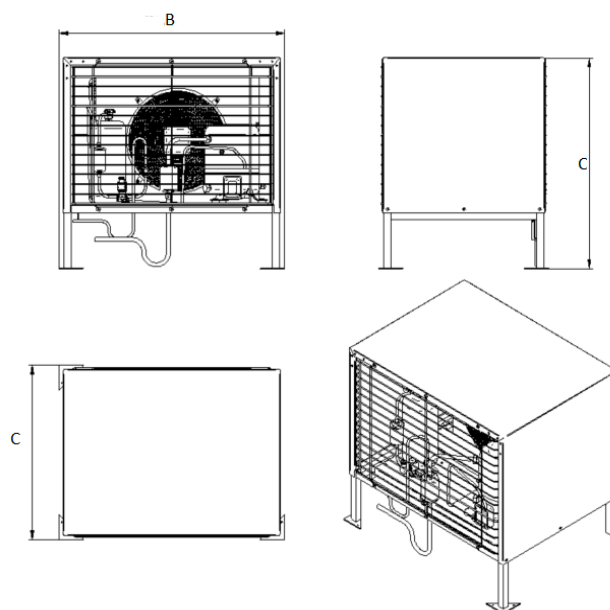


THERMOTECNIKA-CROWN COOL KFT.

Székhely: 2800 Tatabánya, Csarnok u. 17. | Adószám: 12123067-2-11 | Cégjegyzékszám: 11 09 006790

Bemutatóterem és levelezési cím: 1103 Budapest, Kőér u. 3/F | Telefon: +36 1 260 7126 | E-mail: info@tchungary.com

Model		TC CURN1.7_1T	TC CURN2.2_1T	TC CURN3.0_1T	TC CURN3.0_3T	TC CURN3.8_3T	TC CUFN1.3_3T
Nominal capacity [W]		2200	2500	2650	3000	3800	1300
External dimensions (A x B x C) [mm]		660 x 700 x 800	660 x 700 x 800	660 x 700 x 800	660 x 700 x 800	930 x 720 x 850	660 x 700 x 800
Weight [kg]		63,5	71	75	75	76,5	67,5
Climate class		T	T	T	T	T	T
Power supply [V/Hz]		230/50	230/50	230/50	400/50	400/50	400/50
Compressor type		NTU6234GKV	NTU6238GKV	NTU6240GKV	NJ9238GS	NJX6250GS	NJX2219GS
Application		MBP	MBP	MBP	MBP	MBP	LBP
Horse power [HP]		1 1/4	1 1/2	1 1/2	1 1/2	2	2
Number of phases		1	1	1	3	3	3
Suggested refrigerant		R448A/R449A	R448A/R449A	R448A/R449A	R448A/R449A	R448A/R449A	R452A
Test conditions	Standard	ASHRAE	ASHRAE	ASHRAE	ASHRAE	ASHRAE	ASHRAE
	Condensing temperature [°C]	45	45	45	45	45	45
	Evaporating temperature [°C]	-10	-10	-10	-10	-10	-35°C
	Cooling capacity [W]	2366	2667	2737	2864	3838	1261
	COP	2,31	2,32	2,22	1,89	1,86	1,31
Condenser	Refrigerant	R404A	R404A	R404A	R404A	R404A	R404A
	Type	RKV3000	UCV0316043	UC0516043	UC0516043	UCV0320063	UCV0316043
	Air flow [m³/h]	1200	2100	1900	1900	3400	2100
	Volume [l]	1,2	1,7	2,7	2,7	2,9	1,7
	Fan blade diameter [mm]	300	350	350	350	400	350
Liquid receiver	Type	RDG-3-A-ODS	RDG-4-A-ODS	RDG-4-A-ODS	RDG-4-A-ODS	RDG-6-A-ODS	RDG-4-A-ODS
	Volume [l]	3	3	4	4	6	4
Assembled fittings	Pressostat HP+LP	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Pressostat HP	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Magnetic valve	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Sightglass	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Discharge filter	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Suction filter	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss


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Evaporators

Modern Evaporators – Built to the Highest Standards

The evaporators developed by Thermotechnika-Crown Cool Kft. represent the latest technological advancements in refrigeration, combining high performance, reliability, and user-friendly design.

Our product range includes models with **2 or 3 fan configurations**, allowing for flexible adaptation to various cooling demands. We offer units suitable for both **medium (normal) and low (freezing) temperature applications**, each **equipped with Danfoss expansion valves**. This ensures precise and even refrigerant distribution, significantly enhancing system efficiency and operational reliability.

Available across multiple performance categories, our evaporators are designed to meet the needs of a wide range of applications—from industrial and commercial use to food processing environments. Thanks to their **compact dimensions and ease of installation**, these units are an excellent choice for both new installations and the modernization of existing systems.

We place strong emphasis on quality and durability: **each evaporator is housed in a stainless steel casing**, ensuring long-lasting resistance against environmental impacts. Throughout the design and production process, we adhere to the highest international quality standards.

Our company is committed to continuous innovation and meeting customer needs at the highest level—our evaporators are the tangible result of this dedication.

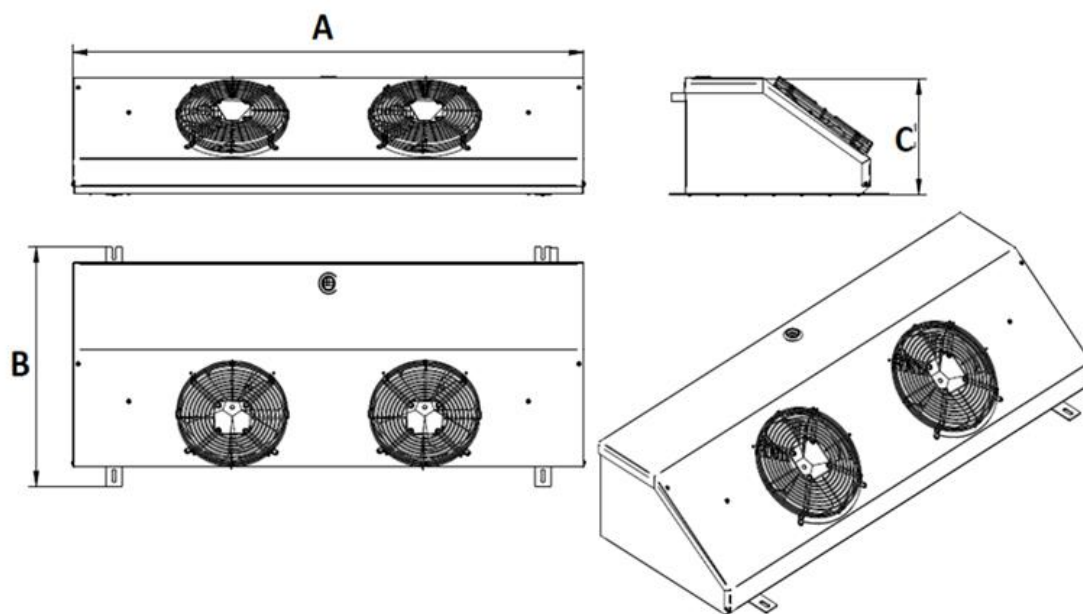


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Model		EV2254-1.6-M6-ED	EV2254-2.3-M6-ED	EV3254-4.3-M6-ED	EV2254-1.9-L8-ED	EV3254-2.3-L8-ED
Nominal capacity with R404A	t0=0°C; Δt=10K [W]	2246	2473	3942	2559	3669
	t0=-8°C; Δt=8K [W]	1803	1985	3162	2053	2944
	t0=-25°C; Δt=7K [W]	1558	1717	2737	1777	2548
Fin spacing [mm]		6,0	6,0	6,0	7,5	7,5
Surface [m ²]		3,77	4,73	9,02	9,24	11,15
External dimensions (A x B x C) [mm]		955 x 545 x 140	1135 x 545 x 140	1550 x 545 x 140	1275 x 545 x 270	1275 x 545 x 270
Heat exchanger		THMT00004	THMT00002	THMT00003	THMT00005	THMT00001
Fan	Number of fans [pcs]	2	2	3	2	3
	Fan diameter [mm]	254	254	254	254	254
	Airflow [m ³ /h]	1444	1475	2166	1459	2189
	Power supply [V/Hz]	230/50	230/50	230/50	230/50	230/50
Expansion valve for		R448A/R449A	R448A/R449A	R448A/R449A	R452A	R452A
Defrost heater [W x db]		650 x 1	740 x 1	1020 x 1	1160 x 1 445 x 2	1160 x 1 445 x 2
Weight [kg]		17	19	23	22	25



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