



Kelvion CSK & CBK air coolers (Cu/Al)

# FLEXIBLE FOR DEMANDING REFRIGERATION TASKS



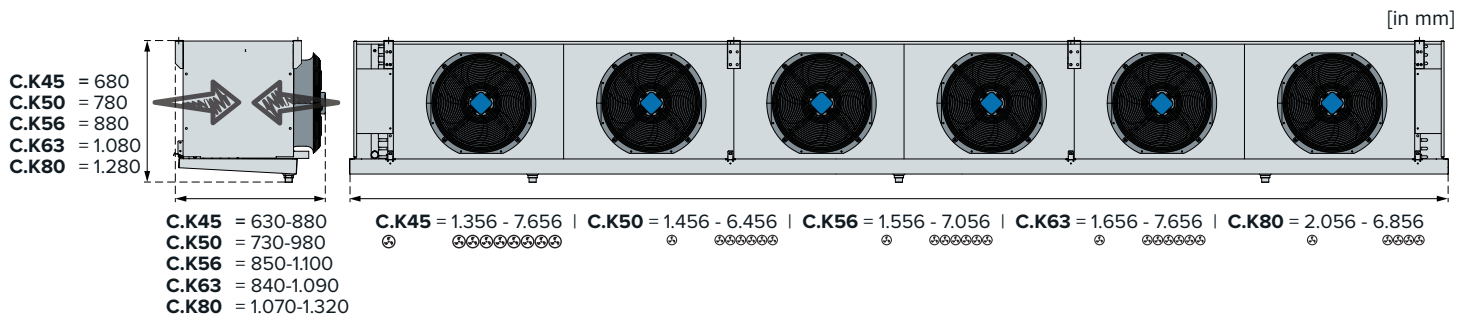
## YOUR BENEFITS

- ▶ **Powerful when needed:**  
High performance due to optimized circuit design
- ▶ **Optimized heat exchanger geometry and an aerodynamically integrated fan system:** Higher specific power, air velocity through the coil limited to avoid water splashing and low energy consumption.
- ▶ Blow-through (Kelvion CBK) or draw-through (Kelvion CSK)
- ▶ **For cooling and freezing applications** like distribution centers, cold stores and production rooms
- ▶ **Flexible power spectrum** due to numerous variants and configuration possibilities (plain or internally enhanced copper tubes)
- ▶ **Highly efficient fans**, ErP 2015, low noise level
- ▶ **Easily accessible and easy to clean components:**  
Hinged drip tray and removable cover plates
- ▶ **Easy installation:** Delivered on a wooden frame for easy mounting
- ▶ **Powder coated driptray**

## CAPACITY RANGE

<b>HFC</b>	<b>6.4 kW - 184 kW</b> <small><math>t_{t1}=0^{\circ}\text{C} \mid t_{t0}=-8^{\circ}\text{C} \mid \text{DT1}=8\text{K} \mid \text{R404A} \mid \text{[SC2]}</math></small>
<b>CO<sub>2</sub></b>	<b>7.3 kW - 167 kW</b> <small><math>t_{t1}=0^{\circ}\text{C} \mid t_{t0}=-8^{\circ}\text{C} \mid \text{DT1}=8\text{K} \mid \text{R744} \mid 60 \text{ bar}</math></small>
<b>MEG</b>	<b>6,4 kW - 257 kW</b> <small><math>t_{t1}=5^{\circ}\text{C} \mid t_{in}=-7^{\circ}\text{C} \mid t_{out}=-4^{\circ}\text{C} \mid \text{E-glycol } 37\%</math></small>
<b>NH<sub>3</sub></b>	—

# AIR DIRECTION & DIMENSIONS



## FANS

<ul style="list-style-type: none"> <li>▶ <b>AC Technology</b> 4 - 6 Pole Delta/Star (2 speeds)</li> <li>▶ <b>EC Technology</b> 0-10V   Modbus</li> <li>▶ 50   60 Hz</li> </ul>		<p>Ø 450 mm</p> <p>Ø 500 mm</p> <p>Ø 560 mm</p> <p>Ø 630 mm</p> <p>Ø 800 mm</p>
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## HEAT EXCHANGER

<ul style="list-style-type: none"> <li>▶ <b>Coil block:</b> Copper tubes   Aluminium fins</li> <li>▶ <b>Tube system:</b> Aligned</li> <li>▶ <b>Tube pattern:</b> 50 x 50 mm</li> <li>▶ <b>Fin spacing:</b> [in mm] R = 4,0   B = 7,0   K = 10,0</li> </ul>
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## DEFROST

DEFROST	FAN	COIL	DRIP TRAY
ELECTRIC	✓	✓	✓
HOT GAS		✓	✓
WATER		✓	✓
SECONDARY CIRCUIT		✓	✓

## VARIANTS & ACCESSORIES

<ul style="list-style-type: none"> <li>▶ Defrost sock (CSK)</li> <li>▶ Air throw streamer (CSK)</li> <li>▶ Diffusor (with air operated damper) (CBK)</li> <li>▶ Hinged fans and/or drip tray</li> <li>▶ Polyester drip tray</li> <li>▶ Suction hood fan side (-CBK) or fin side (-CSK)</li> <li>▶ Insulated drip tray (anti-condensation heating optional)</li> <li>▶ Feet for floor mounting and insulation disks</li> <li>▶ Design pressures 28   40   60 bar</li> <li>▶ CAL distributors optional</li> </ul>
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## MATERIALS

MATERIAL	COIL BLOCK			CASING	DRIP TRAY	FAN GUARD
	TUBE	FINS	END PLATE			
Aluminum		✓	✓		✓	
Copper	✓					
Aluminum Goldlack coating		✓				
Aluminum Almg		✓	✓			
Steel sendzimir zinc-plated				✓	✓	
2K-spray painting (RAL9010)				✓		
Powder coating (RAL 9010)				✓	✓	
Powder coating (RAL 9005)						✓
Stainless Steel V2A (304)	✓*			✓	✓	✓
Stainless Steel V4A (316)	✓*			✓	✓	

☑ Standard execution | ✓ Available as a variant  
\* see Kelvion range C.L

## NOTE

With our product selection software **Kelvion Select RT**, you can configure our products and spare parts easily and very detailed for your customer. Reliable support during the project planning phase and time savings by means of a detailed selection is guaranteed.