



High performance due to application-suited circuit design

Optimized heat exchanger geometry and an aerodynamically integrated fan system

Variable air direction of all fan variants – blow-through as draw-through



Cubic Air Cooler

KELVION ZFB/ZFZ: COOLING & FREEZING (FEZN)



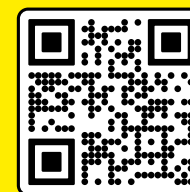
FANS

- ▶ AC & EC Technology
- ▶ Rapid Cooling
- ▶ Deep Freezing
- ▶ ATEX
- ▶ 60 Hz
- ▶ Fan diameter Ø: 450, 500, 560, 630 mm
- ▶ Number of fans: 1 - 4 pcs

DEFROST

DEFROST	COIL	DRIP TRAY	FAN
Electric	✓	✓	✓
Hot gas	✓	✓	
Water	✓	✓	
Secondary Circuit	✓		

KELVION SELECT RT



Your tool for thermodynamic Heat Exchanger selection.
ANYTIME.
ANYWHERE.

CAPACITY RANGE

NH₃

3,2 kW - 75 kW

$t_{L1}=0^{\circ}\text{C} \mid t_{G}=-8^{\circ}\text{C} \mid \text{DT}=8\text{K} \mid \text{SC2} \mid \text{NH}_3 \text{ pump}$

CO₂

2 kW - 70 kW

$t_{L1}=0^{\circ}\text{C} \mid t_{G}=-8^{\circ}\text{C} \mid \text{DT}=8\text{K} \mid \text{R744} \mid 60 \text{ bar}$

MEG

3,4 kW - 95 kW

$t_{L1}=5^{\circ}\text{C} \mid t_{in}=-7^{\circ}\text{C} \mid t_{out}=-4^{\circ}\text{C} \mid \text{E-glycol } 37\%$

HEAT EXCHANGER

- ▶ Coil block: Steel tubes & fins, hot dipped galvanized
- ▶ Tube System: Aligned - 22 mm o.d.
- ▶ Tube spacing: 60 x 60 mm
- ▶ Fin spacing [in mm]: 6,0 | 8,0 | 10,0 | 12,0

OPTIONS

- ▶ Defrost sock (Adapter connection, integrated) -draw
- ▶ Air throw streamer -draw
- ▶ Diffusor (with air operated damper) -blow
- ▶ Hinged fans and/or driptray
- ▶ Polyester driptray
- ▶ Suction hood fan side (-blow) or fin side (-draw)
- ▶ Insulated drip tray (with anti-condensation heating)
- ▶ Feet for floor mounting and insulation disks

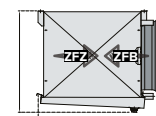
MATERIALS

MATERIAL	TUBE	FINS	CASING	END PLATE	FAN GUARD
Aluminum			✓		
Steel hot dipped galvanized	☑	☑		☑	
Aluminum			✓		
Aluminum Almg			✓		
Steel sendzimir zinc-plated			☑		
Epoxy spray finishing (White)			✓		
Epoxy spray finishing (RAL 9005)					☑
Stainless Steel V2A (304)			✓		✓
Stainless Steel V4A (316)			✓		

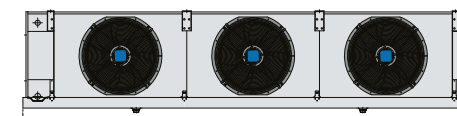
☑ Standard execution | ✓ Available as a variant |
* upon request | Casing powder coated (RAL 9010)

DIMENSIONS in [mm]

HEIGHT
min. 720
max. 1080



WIDTH
min. 725, max. 1.285



LENGTH
min. 1.206, max. 4.056