

Kelvion KDC

DRAUGHT-FREE VENTILATION AND QUIET OPERATION



APPLICATION & BENEFITS

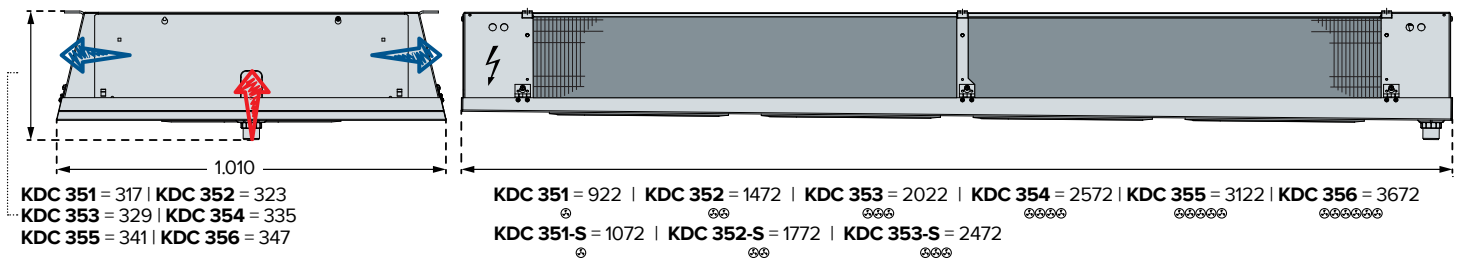
- ▶ Kelvion KDC: EC (Electronically Commutated) Fans offer considerable **energy cost** savings and long life
- ▶ Fans offer a **choice of high or low speed**
- ▶ **Reduced weight** compared with current range
- ▶ **Drip tray hinged** on both sides to give access to the bottom for **cleaning** or **maintenance**
- ▶ CAL® distributor option available
- ▶ **Draft-free air circulation** and **quiet operation**: pleasant conditions for people in **working spaces**
- ▶ **Guides the air across the ceiling** and far into the room
- ▶ Smooth surfaces: **Easy to clean**
- ▶ Option: 45 / 90 bar CO₂ / R744 version

CAPACITY RANGE

HFC	1.4 kW - 23 kW <small>t_i=0°C t_o=-8°C DT1=8K R404A [SC2]</small>
CO₂	1.7 kW - 23 kW <small>t_i=0°C t_o=-8°C DT1=8K R744 45/60 bar</small>
Brine	2.8 kW - 37.7 kW <small>t_i=+16°C t_{si}=+4°C t_{so}=+8°C Water [SC10]</small>
NH₃	-

AIR DIRECTION & DIMENSIONS

[in mm]



FANS

- ▶ EC-ESM technology
- ▶ 1/N/PE 230V 50/60Hz
- ▶ 2 speed operation
- ▶ Protection class IP54
- ▶ Internal thermocontact

Ø 350 mm

HEAT EXCHANGER

- ▶ Tube System: staggered
- ▶ Tube spacing: 38 x 33 mm | Ø 12 mm
- ▶ Fin spacing: [in mm]
A = 4.5 | B = 7.0

DEFROST

DEFROST	COIL	DRIP TRAY
Electric	✓	✓
Hot Gas		
Cold Gas		
Brine		

VARIANTS & ACCESSORIES

- ▶ 0-10V EC fan set to be confirmed
- ▶ Double-walled, insulated drip tray
- ▶ Condensate pump in the drip tray
- ▶ Multiple injections via CAL® distributor
- ▶ 45 or 90 bar maximum operating pressure possible
- ▶ Large or small water side pressure drop circuit
- ▶ Top plate cover

MATERIALS

MATERIAL	TUBE	FINS	CASING	END PLATE
Aluminum		☑		☑
Copper	☑			
Aluminum epoxy-resin-coated		✓		
Aluminum/Steel protective coating			✓	✓
Steel sendzimir zinc-plated			☑	
Stainless Steel				

☑ Standard execution | ✓ Available as a variant
Casing and Heat Exchanger powder coated (RAL 9010)

NOTE

With our product selection software **Kelvion RT Select**, 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.