

## Kelvion R/GF-S Condenser and Gas cooler

# A HEAT EXCHANGER THAT'S RELIABLE AND EFFICIENT



## APPLICATION & BENEFITS

- ▶ Kelvion has taken the popular RF-SJ, and re-engineered with a 5mm coil. This will enable those already enjoying the compact solution for commercial refrigeration to get additional benefits of an even higher efficiency coil.
- ▶ This product has been optimised for the capacity range between the RF-D and the larger R/GF condenser.
- ▶ The R/GF-S uses the features from previous ranges, such as profiled side plates and versatile leg arrangements to ensure the high level of quality Kelvion's customers expect will be met.
- ▶ The popular F-Fin has been configured for this range to achieve optimised thermal performance within a given footprint.
- ▶ The new 5mm coil from Kelvion is perfect for CO<sub>2</sub> applications; allowing for a cost efficient solution to small scale CO<sub>2</sub> applications
- ▶ CE Marked, PED compliant, UL and Eurovent Certified: Kelvion products can be supplied from SEP up to category IV





## CAPACITY RANGE

**HFO/HFC 6.38 - 183.0 kW**  
 $t_{L1}=25^{\circ}\text{C} \mid t_o=40^{\circ}\text{C} \mid \text{DT}=15\text{K} \mid [\text{SC1}]$

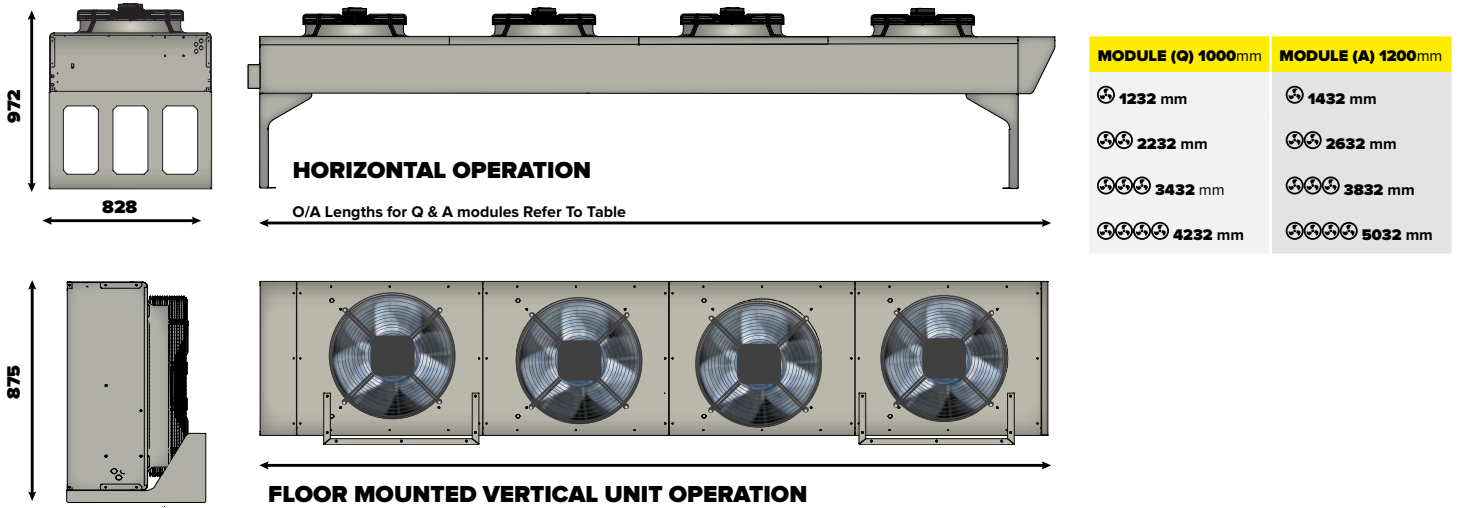
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**9.5 kW - 174.3 kW**  
 $t_{L1}=30^{\circ}\text{C} \mid P_{R1}=90 \text{ bar} \mid t_{R1}=110^{\circ}\text{C} \mid t_{R2}=35^{\circ}\text{C} \mid [\text{SC20}]$

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# DIMENSIONS



## FANS

|                  |  |                     |
|------------------|--|---------------------|
| ▶ AC fan control |  | ▶ Ø 500mm, Ø 630mm  |
| ▶ EC Fan Control |  | ▶ Min IP 54         |
|                  |  | ▶ 4, 6, 8 Pole      |
|                  |  | ▶ Single or 3 phase |
|                  |  | ▶ 50/60 Hz          |
|                  |  | ▶ 1 - 4 fans        |

## HEAT EXCHANGER

|   |
|---|
| ▶ Fin Type: L, F                            |
| ▶ Fin spacing: [in mm]<br>L = 2.1   F = 2.1 |
| ▶ Fin material: Cu, Al, Av, AlMg, Bg        |
| ▶ Tube Diameter: [in mm]<br>L = 9.5   F = 5 |
| ▶ Tube material: Cu                         |

## CONTROLS OPTIONS

| OPTION                      | DESCRIPTION  |
|-----------------------------|--|
| Kelvion SmartControl        | Connected to the Kelvion cloud to give live operational data |
| Unwired                     | Installer wires directly to fan terminal boxes.              |
| Junction Box                | Single or twin according to unit model.                      |
| Staged Control              | Motor switchgear with or without controller.                 |
| Speed Control               | EC, inverter or triac.                                       |
| Simple condenser controller | For use with condensers fitted with EC fan sets.             |

## VARIANTS & ACCESSORIES

|                            |
|----------------------------|
| ▶ AC Fan Control           |
| ▶ EC Fan Control           |
| ▶ Isolators                |
| ▶ Sub-Cooling              |
| ▶ Alternative Fin Material |

## OPERATING ENVIRONMENT GUIDANCE

| APPLICATION ATMOSPHERE     | TUBE MATERIAL | FIN MATERIAL         |
|----------------------------|---------------|----------------------|
| Commercial Application     | Cu            | Al, AV, AlMg, Cu, Bg |
| Within 20 miles of the Sea | Cu            | Cu, Bg, AlMg         |

**NOTE:** The Tube material will suit fin Material

## NOTE

Selection and Pricing on all products can be performed on the **Selection Software** which can be downloaded from our website  
[www.kelvion.com](http://www.kelvion.com)