

Kelvion R/GV-T and R/GV-L Condenser and Gas cooler

# IMPROVED CAPACITY DENSITY AND QUIETER OPERATION



## APPLICATION & BENEFITS

- ▶ R/GV-T/L V-profile extends the versatility of the V Profile range: The V-Profiled has been developed specifically to reflect the latest market requirements. Reduced footprint, lower noise level, improved capacity density and the greatest flexibility through configurable options to suit all requirements. Coil configurations of 5, 8, 10, and 12 mm are available in the variety of length, width and height variants, ensuring the most efficient solution is always offered across all potential applications.
- ▶ A comprehensive collection of fan sets are available from various premium manufacturers. This ensures that the best fan is always selected and balanced against the model and application variant. High energy efficiency, low noise and flexible control options all ensure the best possible solution is offered.
- ▶ Eurovent certify-all: independent certification for thermal performance, power consumption, sound data and unit air volumes for standard products under scheme limits.
- ▶ CE Marked, PED compliant and UL Certified: Kelvion products can be supplied from SEP up to category IV

## CAPACITY RANGE

**HFO/HFC 13.2 kW - 2805 kW**

$t_{L1}=25^{\circ}\text{C} \mid t_{G}=40^{\circ}\text{C} \mid \text{DT}=15\text{K} \mid [\text{SC1}]$

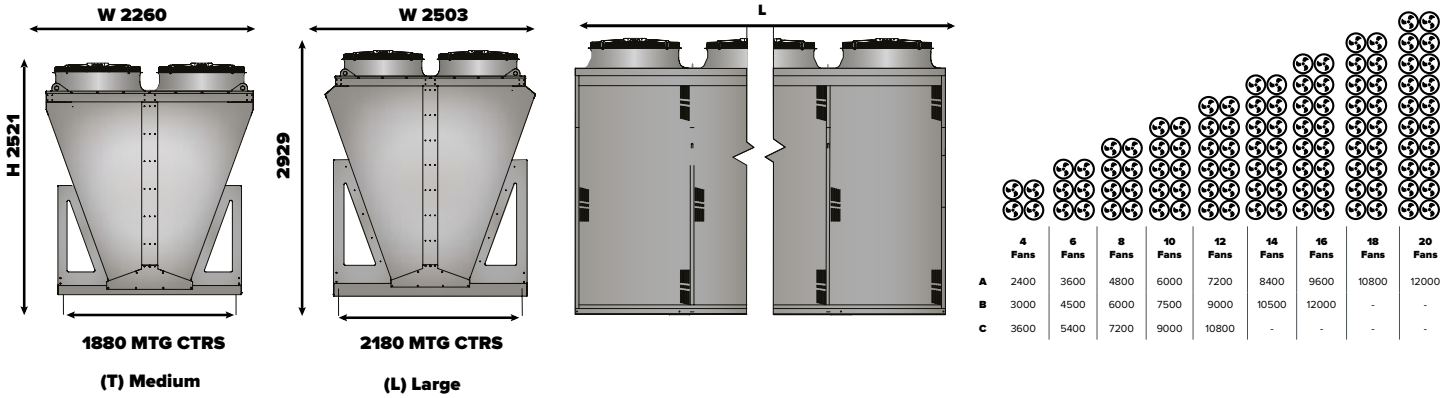


**12.5 kW - 2655 kW**

$t_{L1}=30^{\circ}\text{C} \mid P_{R1}=90 \text{ bar} \mid t_{G1}=110^{\circ}\text{C} \mid t_{R2}=35^{\circ}\text{C} \mid [\text{SC20}]$



# DIMENSIONS



# FANS

▶ AC Normal	Ø 800 mm	▶ Min IP 54
▶ AC High power	Ø 810 mm	▶ 6, 8, 12 Pole and EC
▶ EC Standard	Ø 900 mm	▶ 1 & 3 phase
▶ EC High power	Ø 910 mm	▶ 50/60 Hz
▶ EC Low power		▶ 1 - 20 fans

# HEAT EXCHANGE

- ▶ Fin Type: F, L, T, G
- ▶ Standard Fin spacing: [mm]  
F, G, L = 2.1 | T = 2.3
- ▶ Fin Material: Cu, Al, Av, AlMg, Bg
- ▶ Tube Diameter: [mm]  
5 | 8 | 9.5 | 12
- ▶ Tube material: Cu, St/St

# 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 (AC Fan sets)	Motor switchgear with or without controller.
Speed Control	EC, inverter or triac.
Modbus	Options for control communication of fan and control

# VARIANTS & ACCESSORIES

- ▶ Control Box & Isolators
- ▶ Sub cooling
- ▶ Multi sections
- ▶ Alternative Fin Material
- ▶ Special Paint
- ▶ Adiabatic System
- ▶ Customised Housing

# OPERATING ENVIRONMENT GUIDANCE

APPLICATION ATMOSPHERE	TUBE MATERIAL	FIN MATERIAL
Commercial Application	Cu or St/St	Al, AV, AlMg, Cu, Bg
Industrial Application	Cu or St/St (NH <sub>3</sub> must be St/St)	Al, AV, AlMg, Cu, Bg
Within 20 miles of the Sea	Cu	Cu, Bg, AlMg
Waste Disposal	Cu	Al, AV, AlMg, Cu, Bg

**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)