

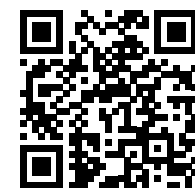


Refrigeration units

Different by Nature



iCOOL™ 10 YEARS



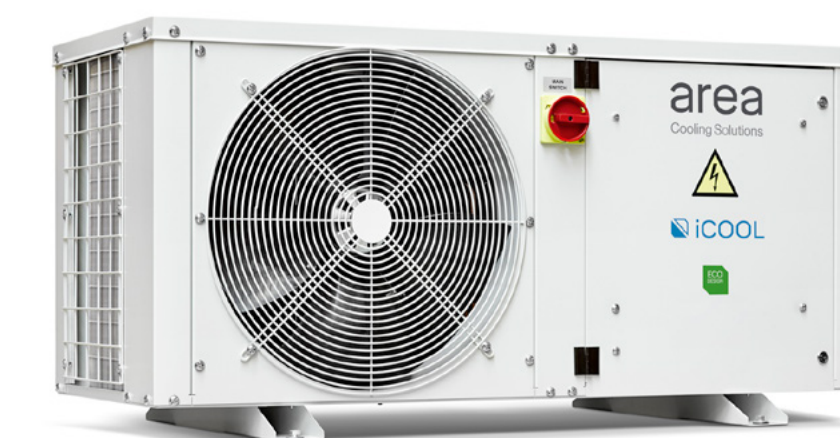
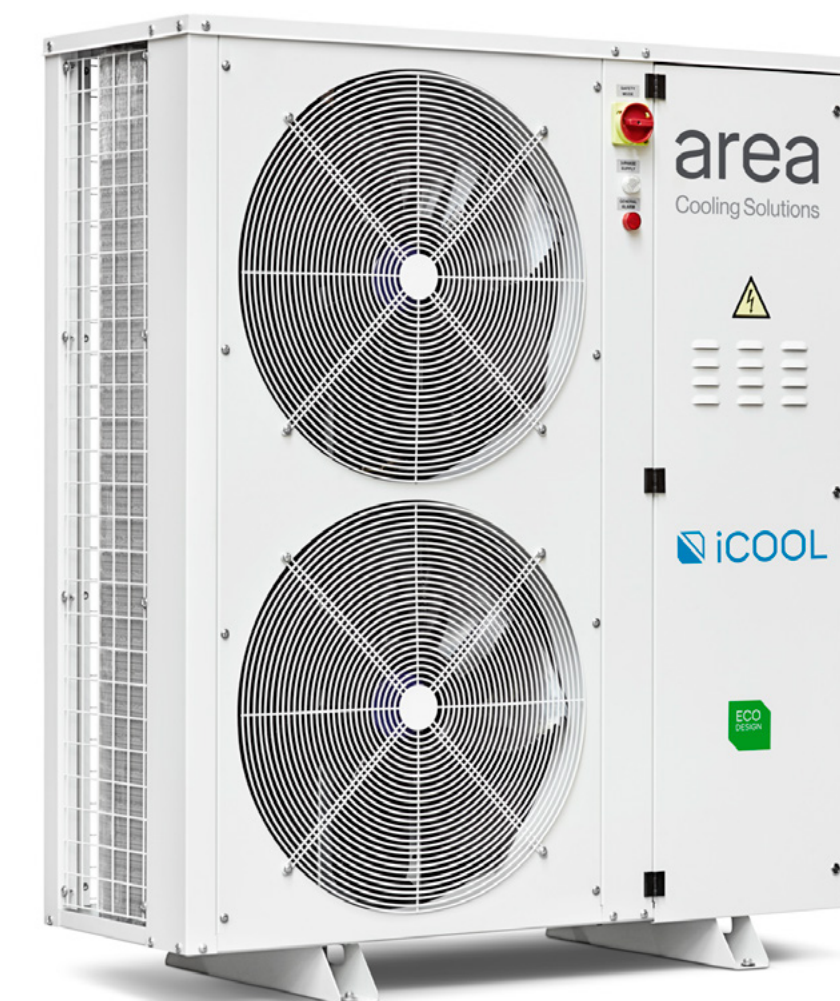
Refrigeration units

Different by Nature

Our condensing units meet the highest European standards, being TÜV certified and ECO Design compliant. Our factory is PED III certified.

All AREA condensing units are designed and manufactured in Europe.

Over 10 years experience in Inverter Driven Units.





Different by Nature

the combination of three expertises



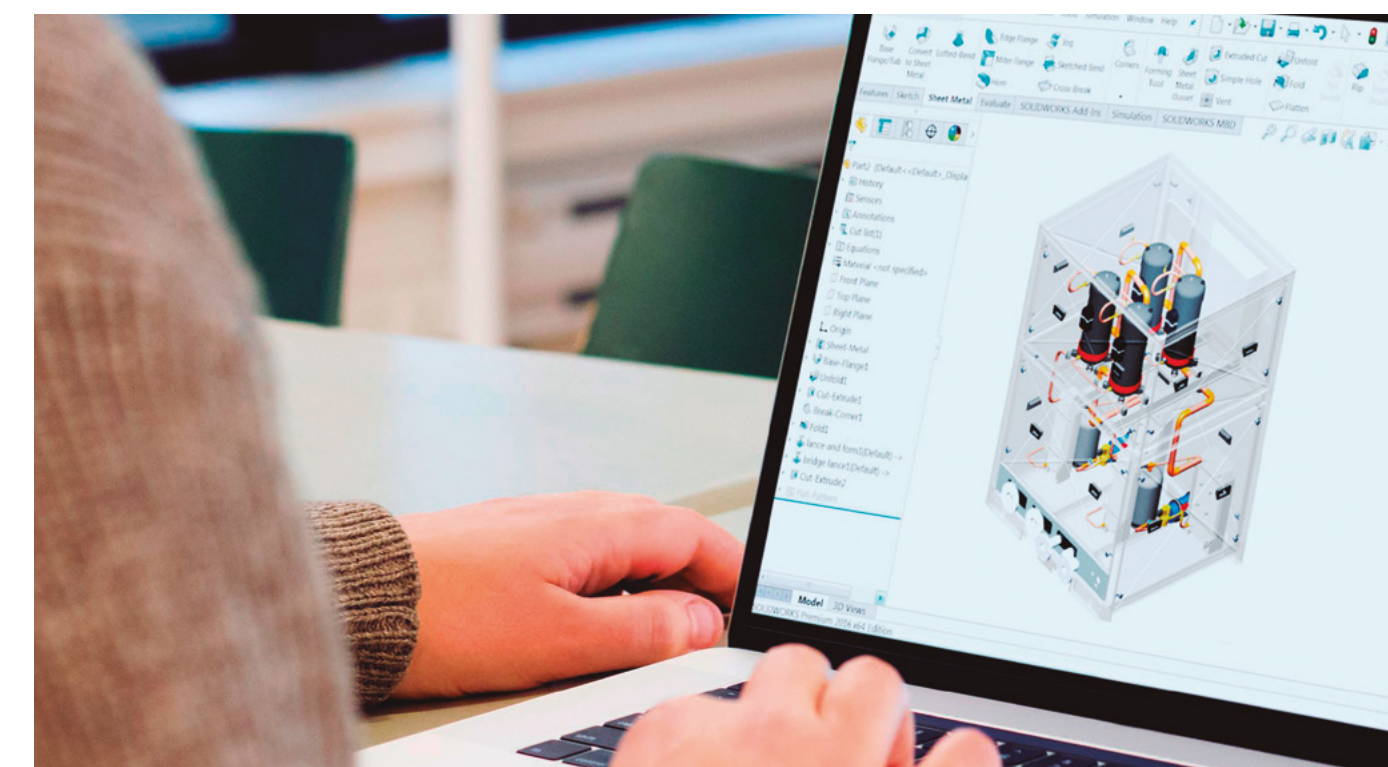
Compressors

Rotary and Scroll:
Lower GWP solution (A2L, CO2, R290)
Higher energy saving (Inverter)
Larger working envelope (Liquid injection, EVI)
Lightweight solution
Low noise and vibration



Refrigeration

35 years of refrigeration expertise:
Easy service access
Full equipment
Fast spare parts availability



Design software

Advanced software design:
Easy interface user
Remote control access & connectivity
Full compressor protection
NEXT: preventive maintenance features.



Smart solutions for a successful installation

Customize your solutions

Large list of factory assembled options (Heat recovery, marine application, low ambient temperature start kit, etc).

Your warranty is not lost as the unit does not need to be modified

4 design bases for infinite possibilities

Silent

Air ducted (pressure available until 120 Pa)

Water cooled condenser

Compressor base (with or without housing).

LT, MT & HT application with

On/Off unit

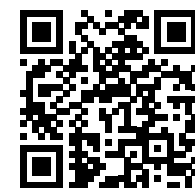
Inverter driven unit with stepless modulation down to 500W.

Approved refrigerants

HFC (R448A / R449A, R134a / R513A, R410A, R407C, etc)

A2L (R454C, R455A)

Natural refrigerant (CO2).



Save your time



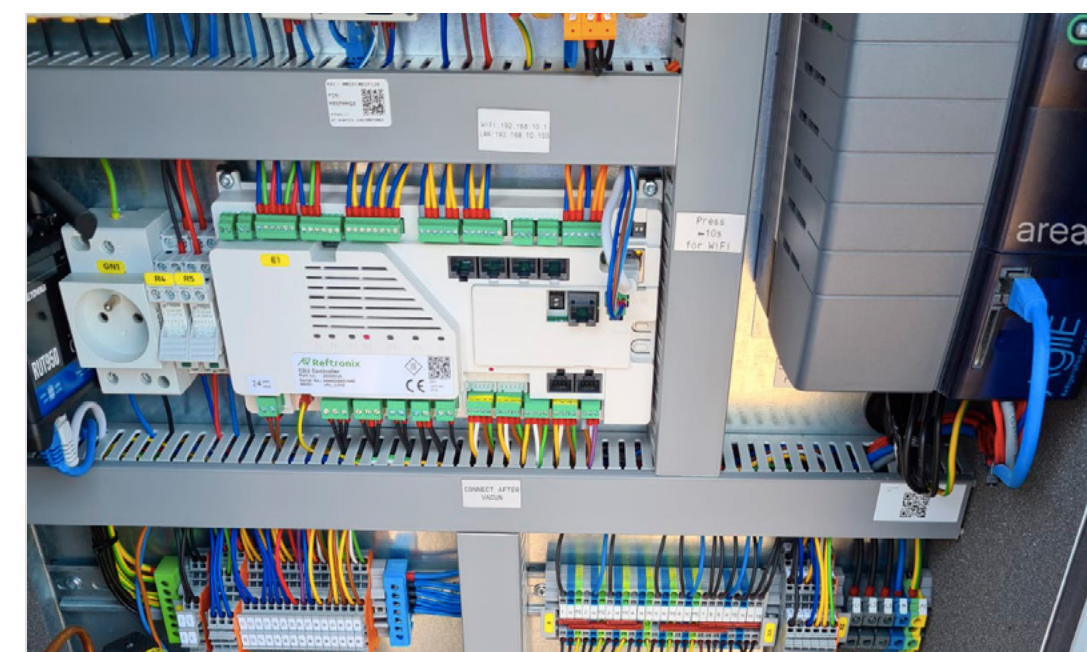
Easy selection

- Online selection software
- Hands-on and remote training with our experts
- Support to select the best HFC, A2L or CO₂ solution for any application



Easy installation

- Lightweight unit
- Integrated options from factory
- Refrigeration design
- Flexible and fast delivery



Easy commissioning

- Less than 3 minutes
- Multilingual technical assistance (on site or remote)
- 100% functionally tested before shipping
- Active control feature including oil return function and working envelope protection



Easy maintenance

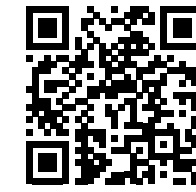
- 180° access to all components
- Express delivery (24h) of spare parts and oil in the EU
- Remote control with ModBus TCP/IP



Benefits

- **Cost reduction of the installation**
Customized unit from factory
- **Cost reduction of the operation**
Energy saving (BLDC Inverter), maintenance
- **Reduction of the noise nuisance**
Low noise level unit
- **Reduction of the visual pollution**
SLIM, Max, Water loop
- **Reduction of carbon foot-print**
Low GWP & natural refrigerant
- **Remote control and preventive maintenance features.**





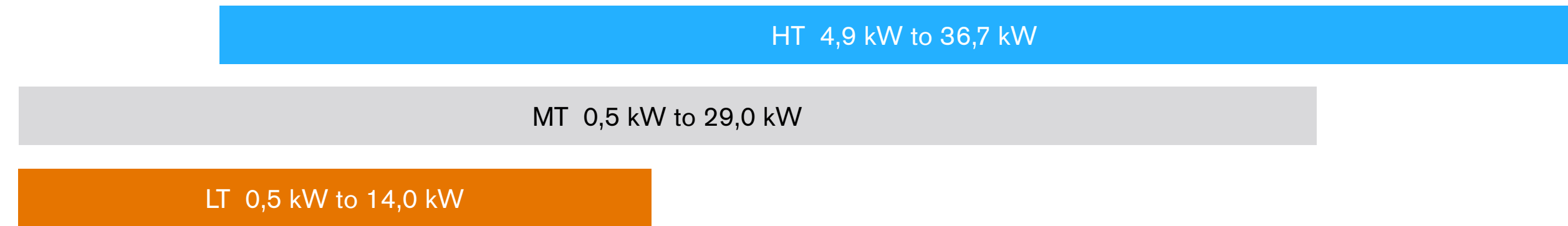
Inverter Product Range

Designed to operate at 43°C ambient



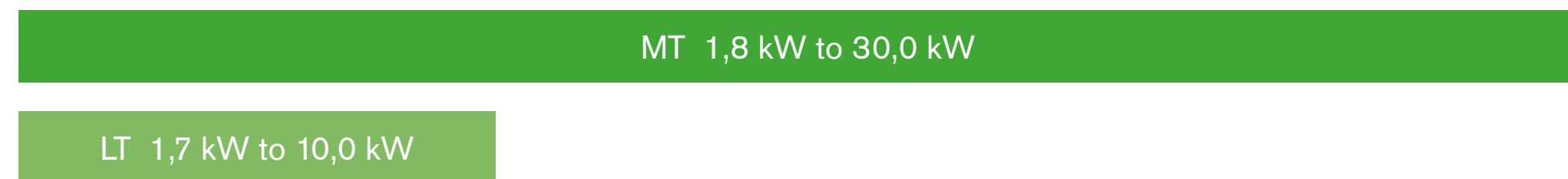
iCOOL

R449A R448A R513A R134a R407C



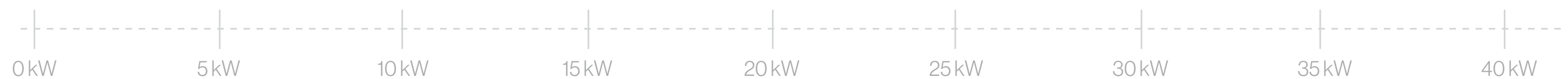
iCOOL CO₂

R744



iCOOL A2L

R454C R455A

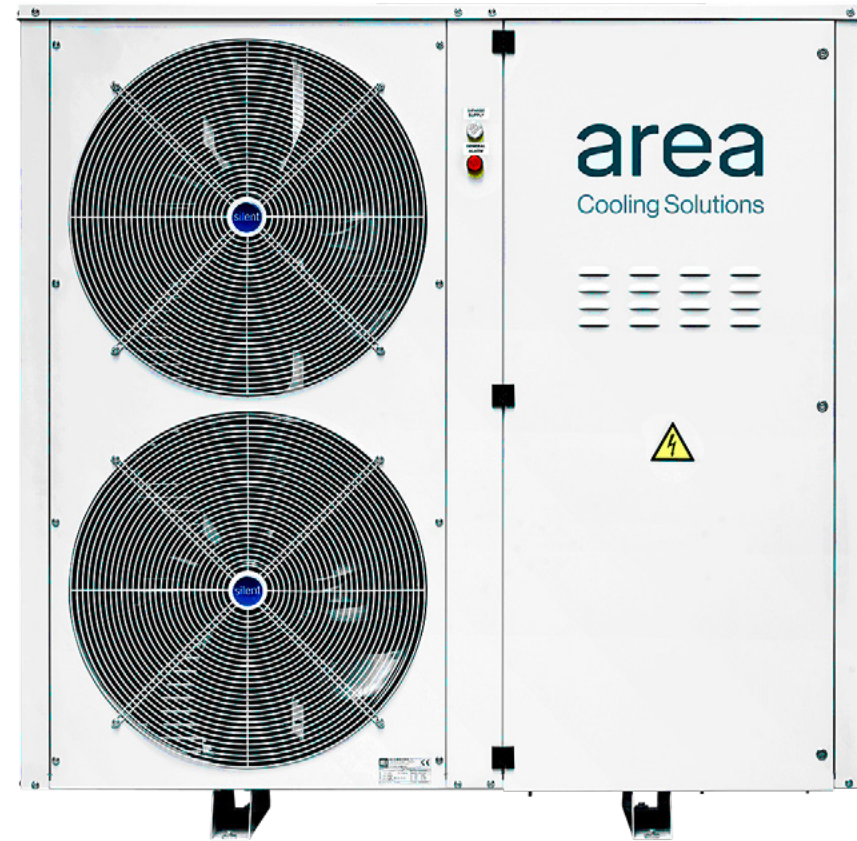


■ HT High Temperature	R407C (Te +5°C / Tamb 32°C)
■ MT Medium Temperature	R449A (Te -10°C / Tamb 32°C)
■ LT Low Temperature	R744 (Te -30°C / Tamb 32°C)
■ MT Medium Temperature	R454C / R455A (Te -10°C / Tamb 32°C)
■ LT Low Temperature	R449A (Te -30°C / Tamb 32°C)
■ MT Medium Temperature	R744 (Te -10°C / Tamb 32°C)

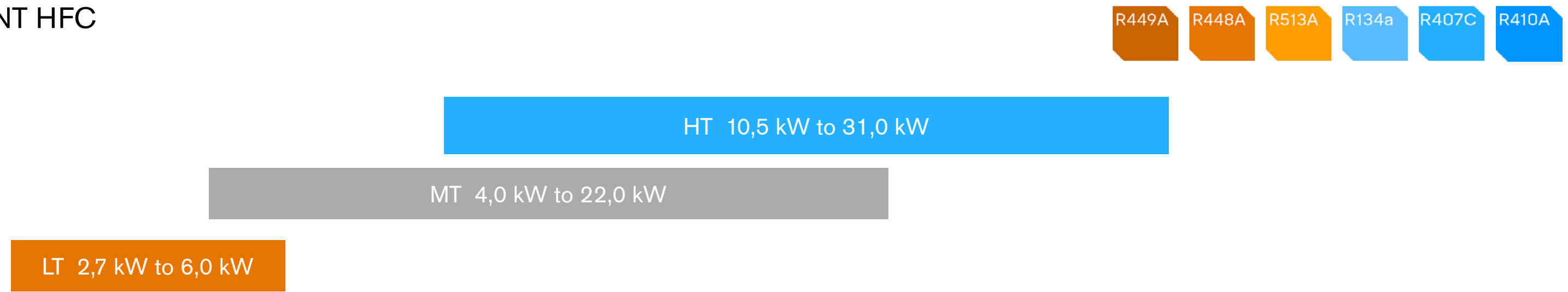


On/Off Product Range

Designed to operate at 43°C ambient



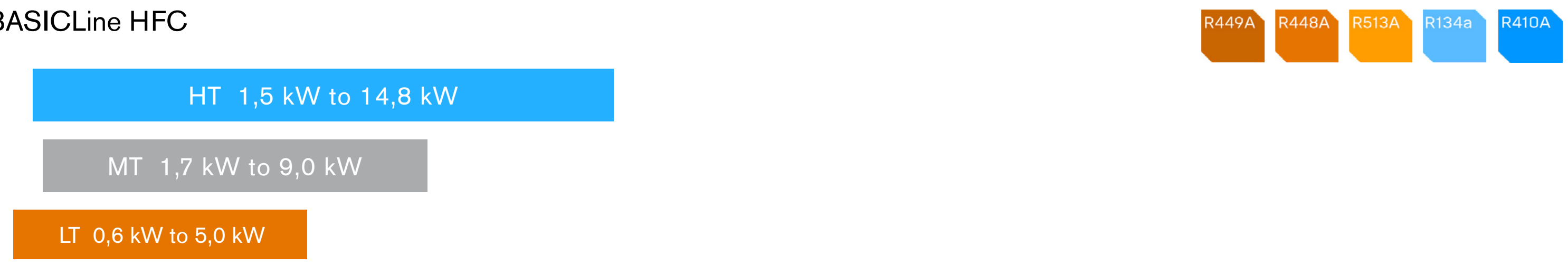
SILENT HFC



SILENT A2L



BASICLine HFC



■ HT High Temperature R410A / R407C (Te +5°C / Tamb 32°C)
■ MT Medium Temperature R449A (Te -10°C / Tamb 32°C)
■ LT Low Temperature R449A (Te -30°C / Tamb 32°C)





Client satisfaction comes first



“I choose iCOOL because of its product design, quality, cost, delivery time and manufacturer’s support”

Mr. Holger Jäger, Owner, Heidenheimer Kühlanlagenbau, Temtec member
(Contractor – Germany)



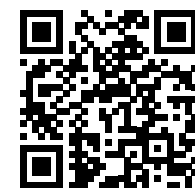
“As an installer, I could appreciate the particular quietness, the simplicity of installation and commissioning and the low power consumption”

Mr Massimo Lovicario, Owner
(Contractor – Italy)



“The units are extremely well engineered with a lot of functions that we search for such as the emergency function in case of inverter break down. At the same time we want to have a supplier that can produce the product in Europe in order to cut the transportation emissions and also keep short lead times.”

Mr. Mattias Janson, Product Manager, Ahlsell
(Wholesaler – Sweden)



Case Study



Freezing chamber
(up to 80 m³)

Saving of energy and maintaining the proper temperature thanks to the reduction of defrost cycle and limitation of oil migration in evaporators, are the major refrigeration challenges in HORECA sector.



Gourmet shop
(up to 600 sqm)

Managing several small evaporators (down to 500 W) thanks to a centralized solution with low energy consumption.



Convenience store
(up to 2 500 sqm)

Redundancy of inverter cooling units to increase reliability of the installation



Delicatessen application
(meat, chocolate, cheese)

Managing a precise evaporating temperature ($\pm 0,1^{\circ}\text{C}$) to supply proper cooling needs to static evaporators without the need of electronic expansion valve.