

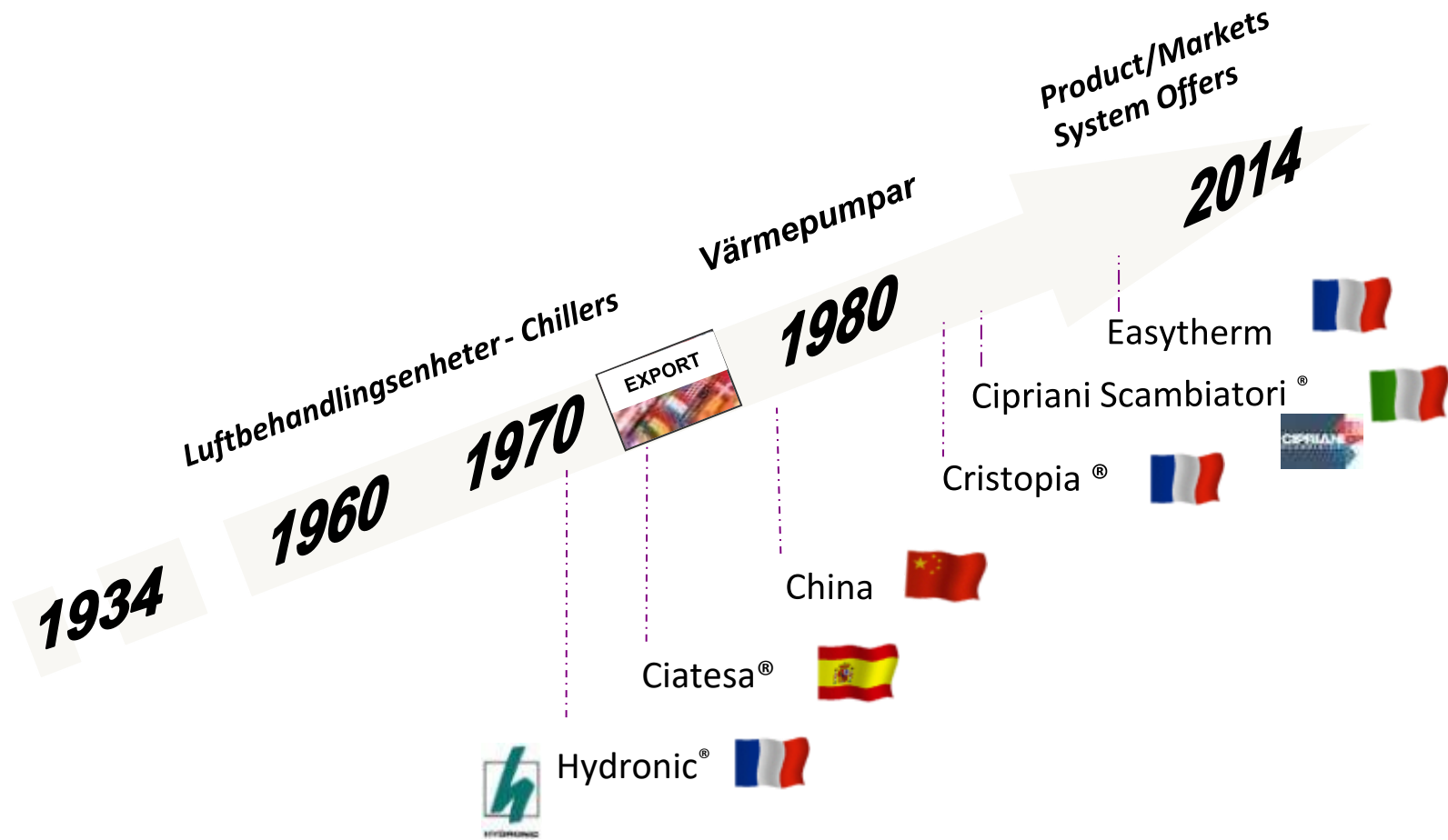


HISTORIAN OM



(den korta versionen)

CIAT



Carrier Corporation HVAC Europe



Hospitals & Commerce

Hotels – Hospitality & Education



Commercial Offices Arcades Etc

Light Commercial Small Offices & Shops



LUFT-VATTEN



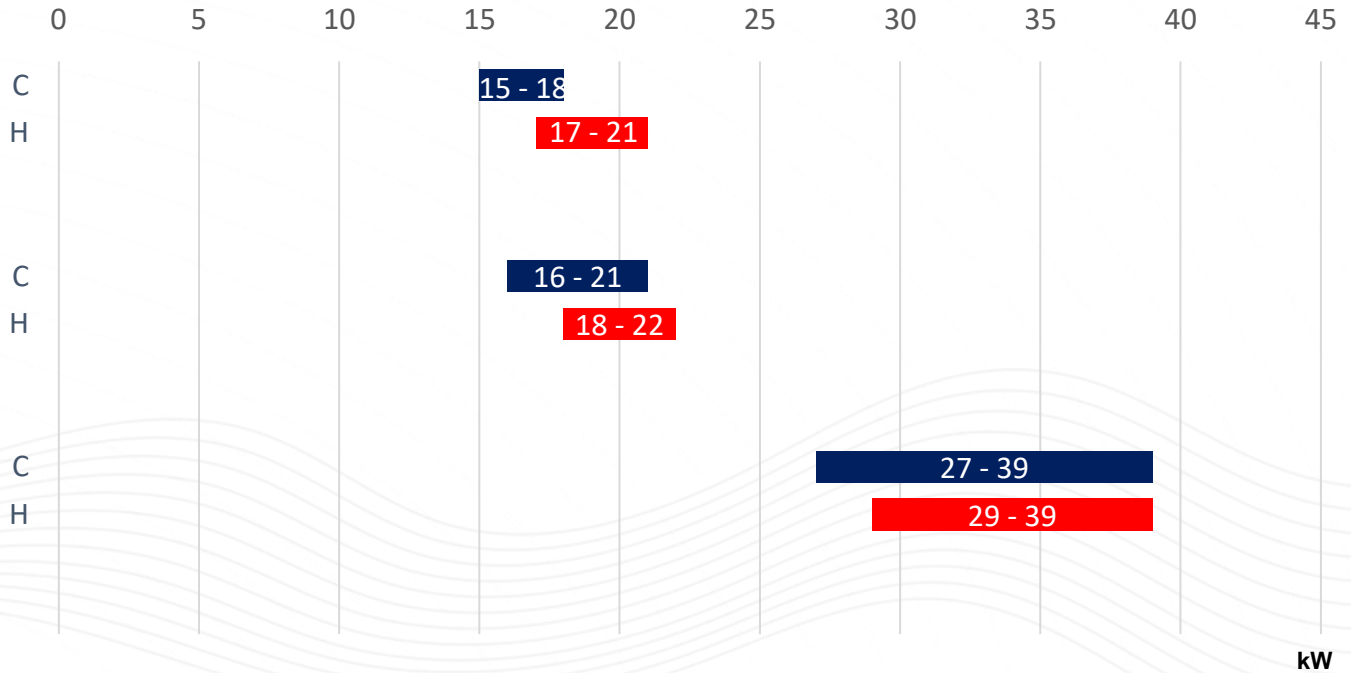
EREBA™ (VS) 17-21



EREBA ACCESS™ (VS) 17-21



EREBA ACCESS™ 26-40



LUFT-VATTEN



R-32 

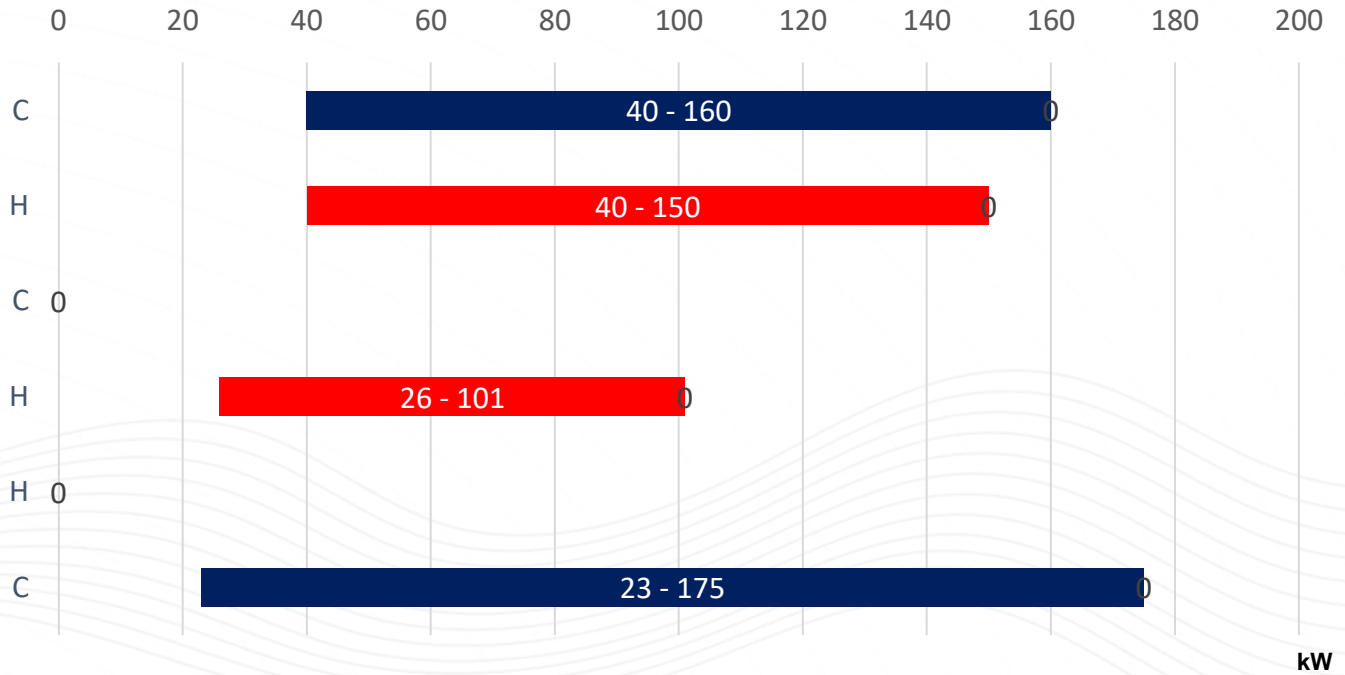
AQUACIAT™ LD-ILD



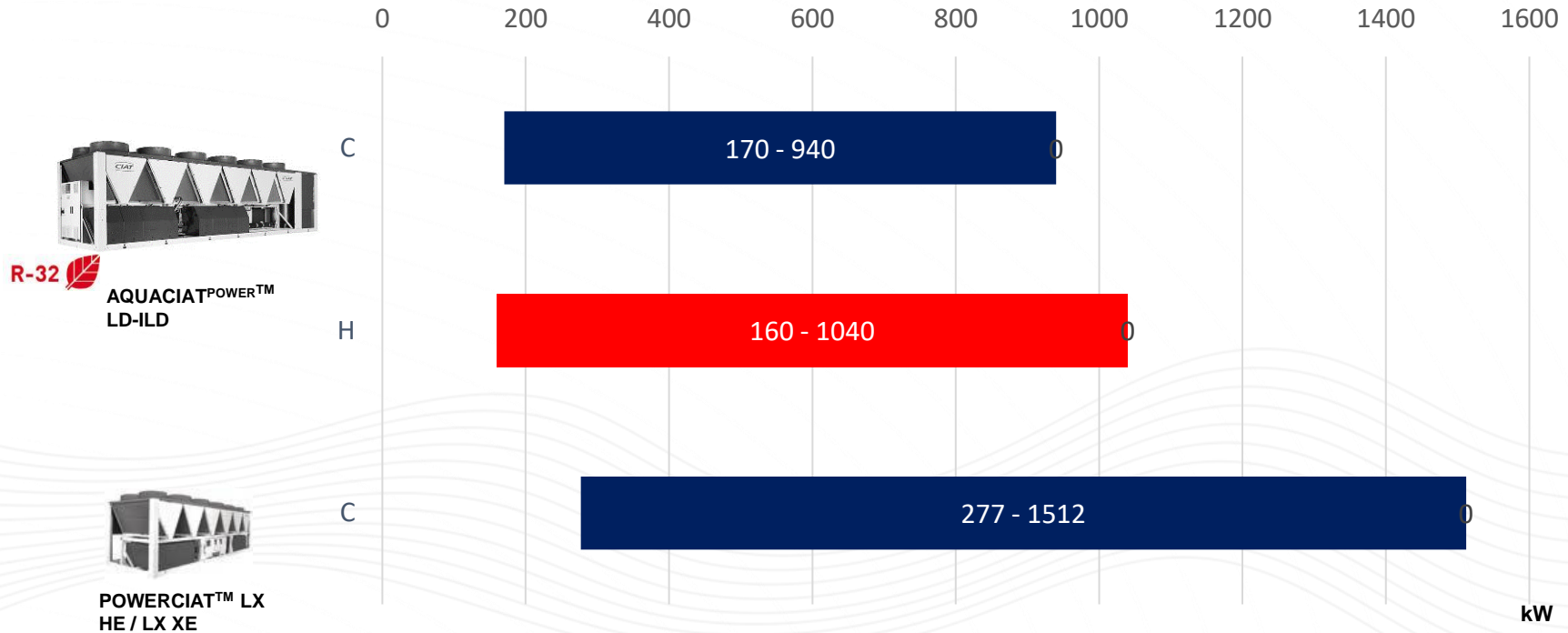
AQUACIAT™ CALEO™ TD



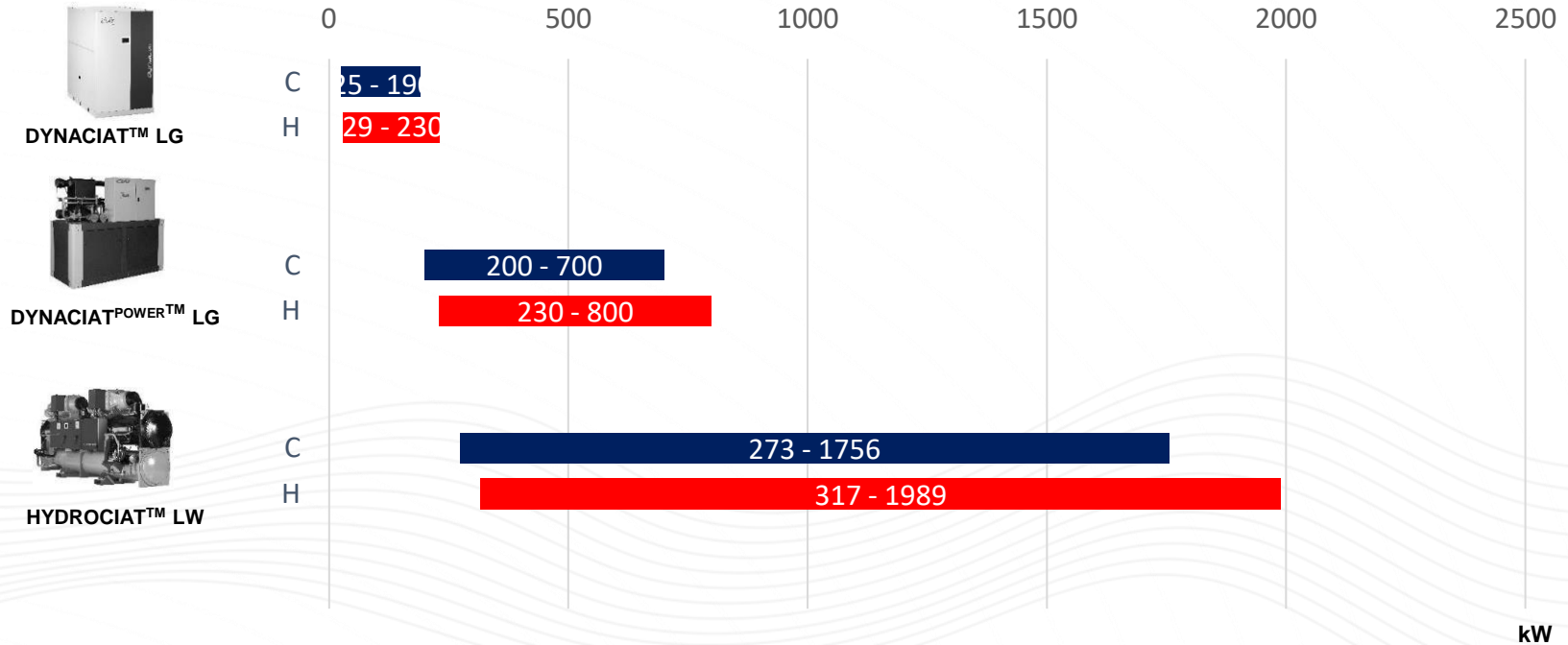
DYNACIAT™ LGN



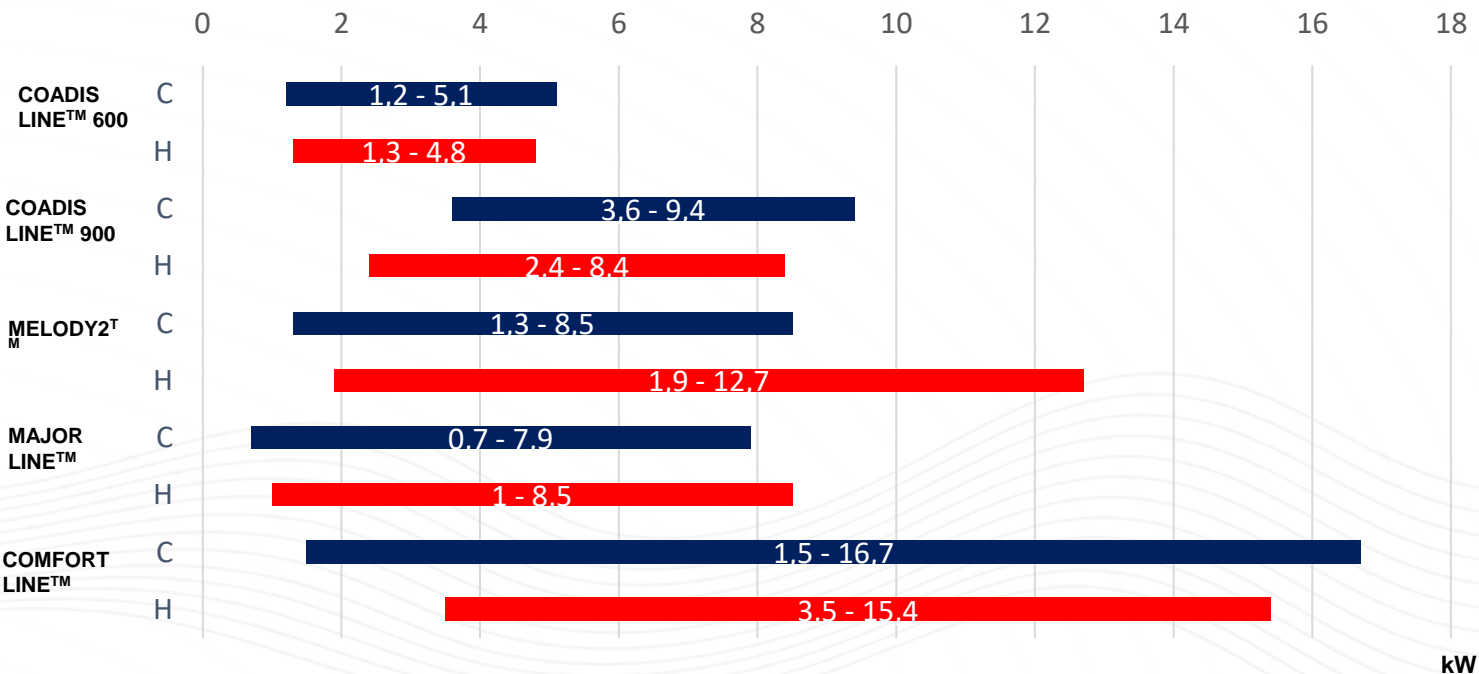
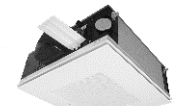
LUFT-VATTEN



VATTEN-VATTEN



FLÄKTLUFTKYLARE



kW

Product range overview

TERMOSTATER

V3



- Electronic control – ON / OFF

V300



- 2 blocks (control + display)
- Proportional integrative electronic control
- Master / Slave

V3000 KNX



- 2 blocks (control + display)
- V3000 KNX : PID (proportional-integral-derivative) electronic control
- V-LON2 : PI (proportional integrative) electronic control
- BMS communicating

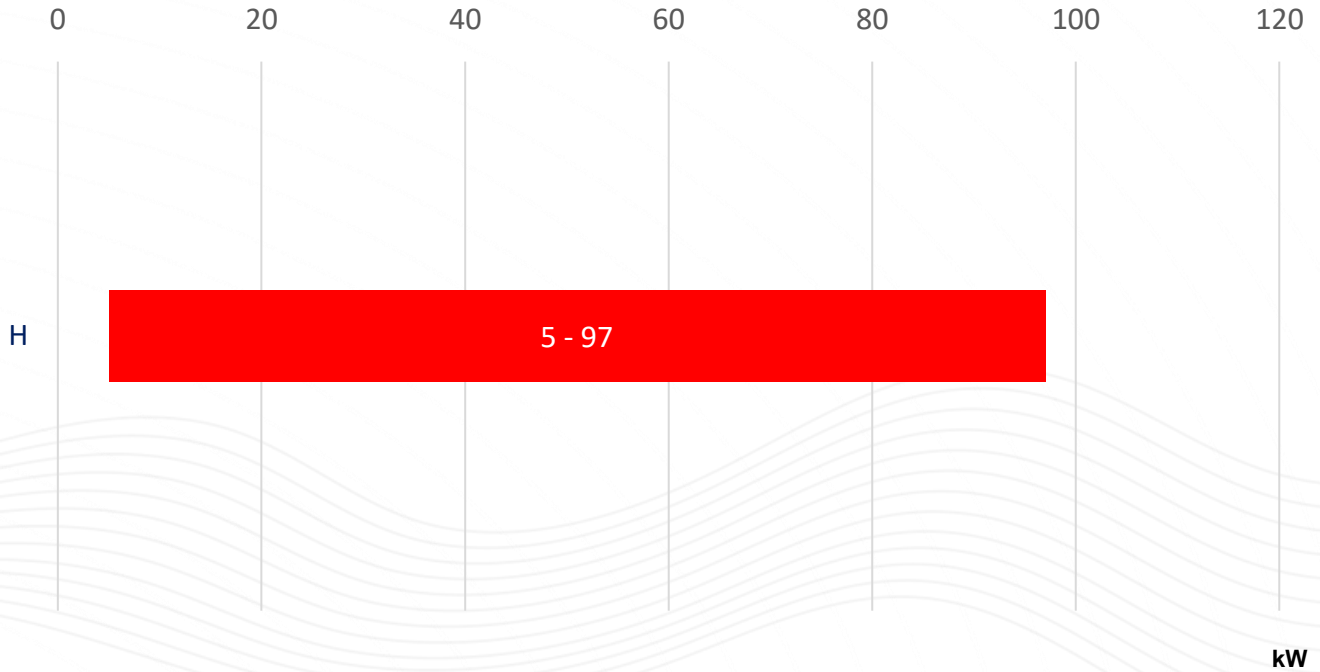
FRESH AIR CONTROL

- Pack R1 with presence sensor for office applications
- R+ package with CO2 sensor for meeting room applications

LUFTVÄRMARE



**HELIOTHERME®
4000**



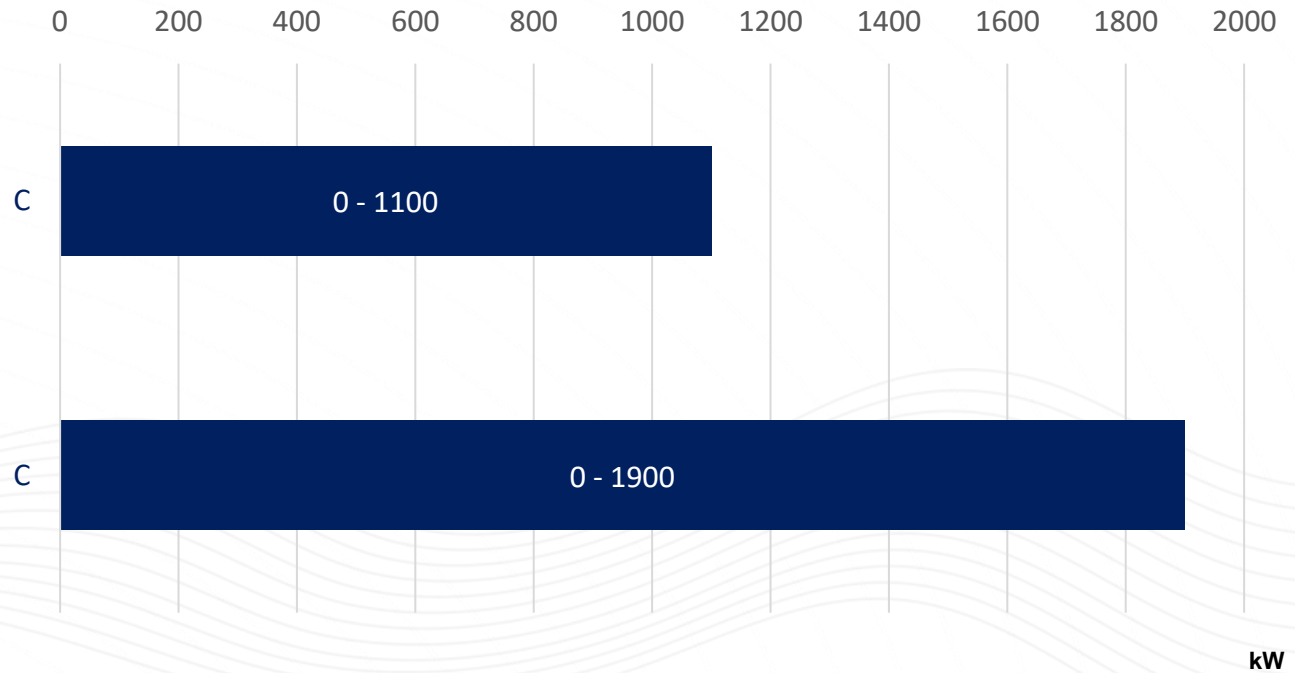
TORRKYLARE



OPERA™



VEXTRA™



SMART CIAT CONTROL: ENERGY MANAGEMENT SYSTEM

Smart CIAT :

- Samlad info kring driften
- Fjärrstyr enheterna
- Automatisk omställning
- Förbättrad energioptimering

Smart CIAT Control:
Energy Management System



Smart CIATControl Energy Management System



Smart CIATControl optimises the Hysys® system in real time to meet the building's heating and cooling requirements.

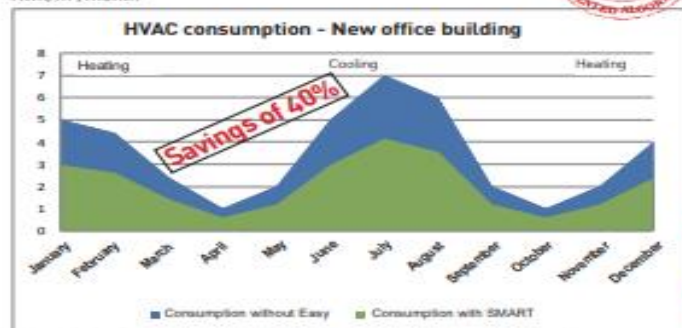
Smart CIATControl: The system's MEMORY

- Smart is able to take temperature readings: water outlet temperature, room temperature, outdoor temperature, etc.,
- The generator's consumption readings are also logged as per statutory requirements,
- Smart forwards information to the building's central management via **BACnet** or OPC server.



Real-time display of the temperatures on an AquaCIAT production unit

Kwh/m²/month



*Simulation performed using TRNSYS with an office occupancy hypothesis



Smart CIATControl: the INTELLIGENCE of the Hysys system

The patented programming algorithm ensures perfect optimisation of your HVAC system based on variations in the weather conditions and occupancy levels.

- **Automated changeover** of the system according to the calculation of the majority requirements of the building.
- **Optimal stop & start**: optimisation of the heating and cooling start and stop times, based on a programming calculation of the building's inertia.
- **Optimal Water**[®]: adaptation of the water temperature to the requirements of the emitters.
- **Epure Dynamics**[®] for real-time control of filtration of fine particles.

The optimisations provided by Smart combine to give average energy consumption savings of 40% across the building.



Smart CIATControl: The self-regulating solution, recommended for buildings from 500 to 5 000 m²

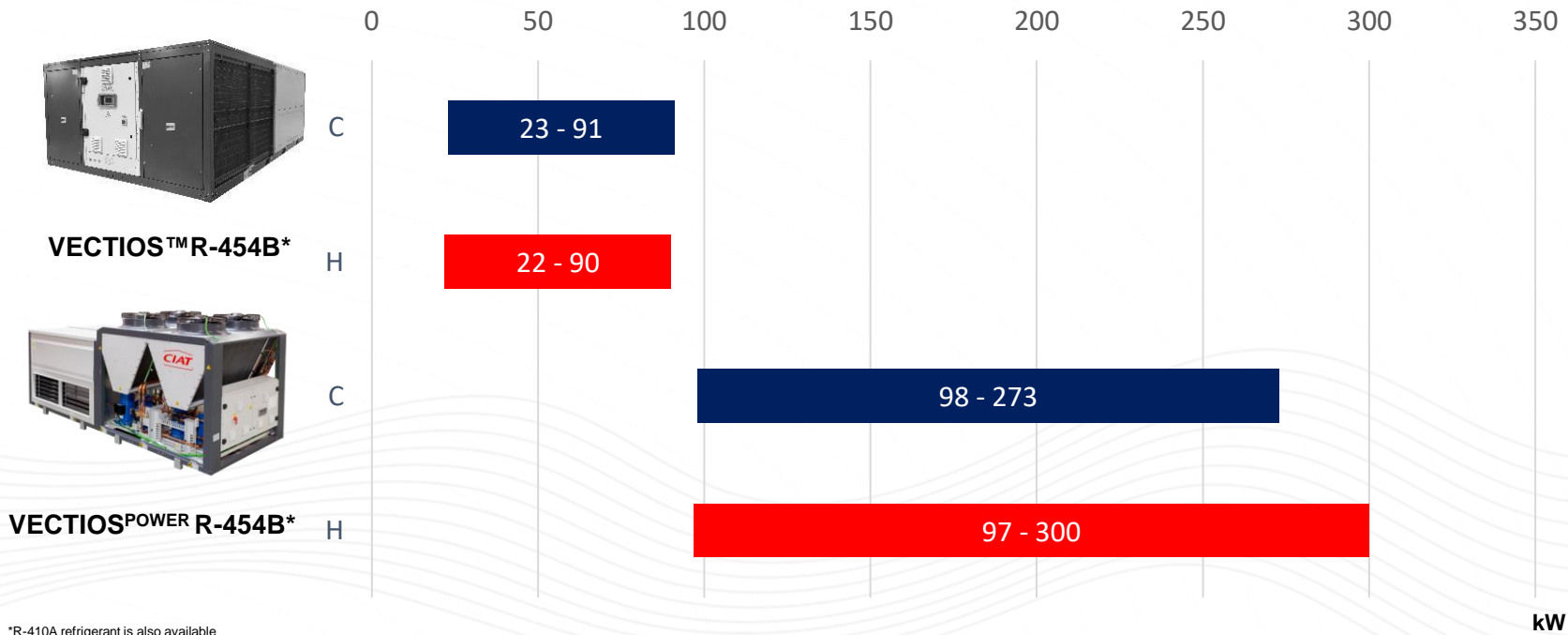
Modular connection of equipment

- Up to 3 producers,
- Up to 180 emitters,
- Up to 5 air handling units.

Model	Comfort units	Producer	Air handling
Smart 60	60	3	2
Smart 120*	120	3	4
Smart 180*	180	3	5

*Option to control 2 or 3 independent water loops

TAKAGGREGAT



TAKAGGREGAT



VECTIOS™ R-454B*

Air Flow

4800 - 19200



VECTIOS^{POWER} R-454B*

Air Flow

10800 - 54000

0 10000 20000 30000 40000 50000 60000

m³/h

*R-410A refrigerant is also available

CIAT



Telecom City - Moscow, Russia



Støtvig Hotel - Larkollen, Norway



Cité sanitaire - Saint-Nazaire, France



Loden Frey - Munich, Germany



Mariott Hotel - Sochi, Russia



Picasso Museum - Paris, France



MCB - Ebène, Mauritius



TQ Plaza - Budva, Montenegro



Marmara Forum - Istanbul, Turkey



Burgas & Varna Airports, Bulgaria

