



DATA CENTRE SOLUTIONS

CRAH APX SERIES

COMPUTER ROOM AIR HANDLER

Chilled Water
Precision Cooling for Data Centres

❄️ 20 - 500 kW

🌀 5,000 - 140,000 m³/h

💧 WATER



PRODUCT OVERVIEW

CRAH APX SERIES

Optimised for large-scale data centres with high-temperature process water, providing efficient and reliable cooling.

❄️ 20 - 500 kW
🌀 5,000 - 140,000 m³/h
💧 Water



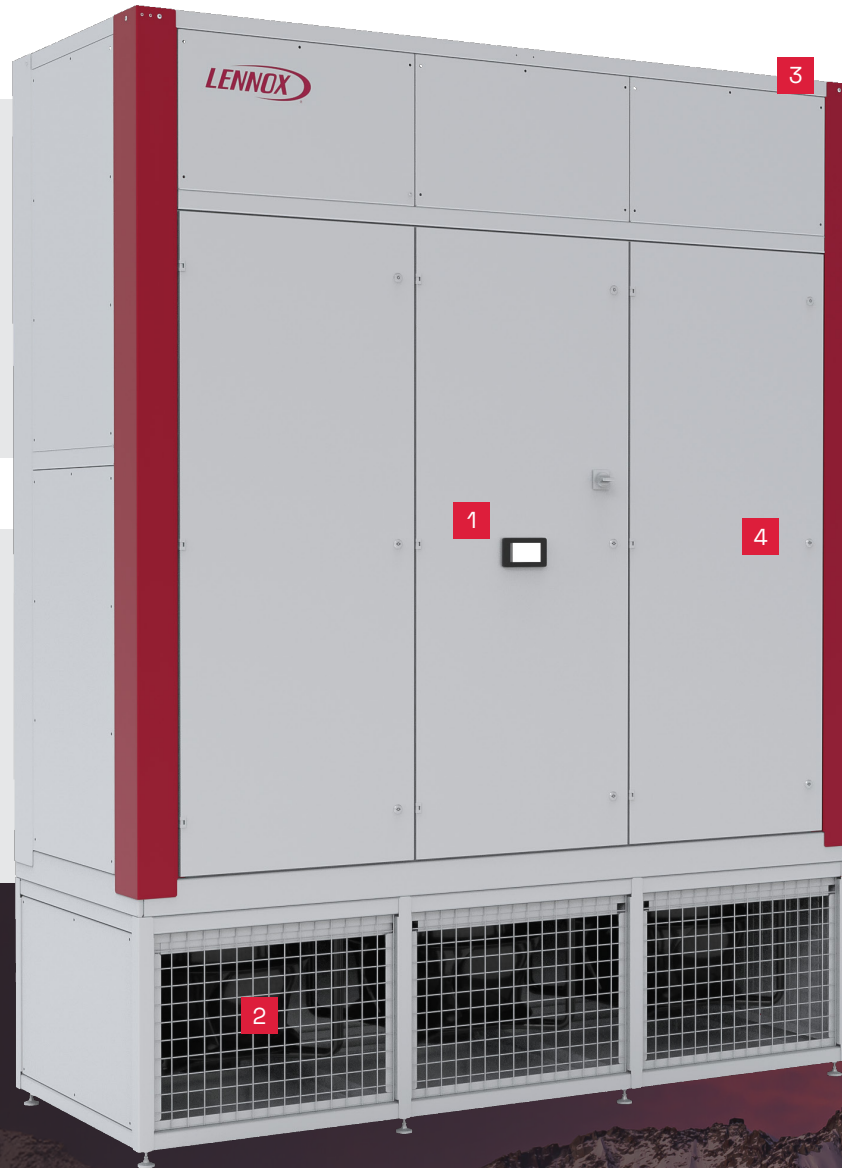
1

The unit integrates with standard BMS protocols, enabling comprehensive remote operation and real-time replication of alerts and alarms. The 7" touchscreen interface is ideal for commissioning and routine system checks, providing clear visibility of unit performance and operational status.



2

Our advanced EC fans deliver powerful and reliable operation with exceptional efficiency. Customised fan-motor pairings and optional active Power Factor Correction (aPFC) reduce energy consumption, minimise network interference, and lowers overall operating costs.



3

The range offers 25 possible configurations:

- 1 to 8 fans (back-to-back units)
- Standard or extended-height cases
- Two case depths to suit standard and large surface area coils



4

Electronic pressure-independent 2-port control valves with fail-safe positional control ensure accurate and reliable flow regulation. Integrated monitoring provides precise, real-time visibility of fluid temperatures and flow rates, delivering stable cooling performance.

NOMENCLATURE AND GENERAL DATA

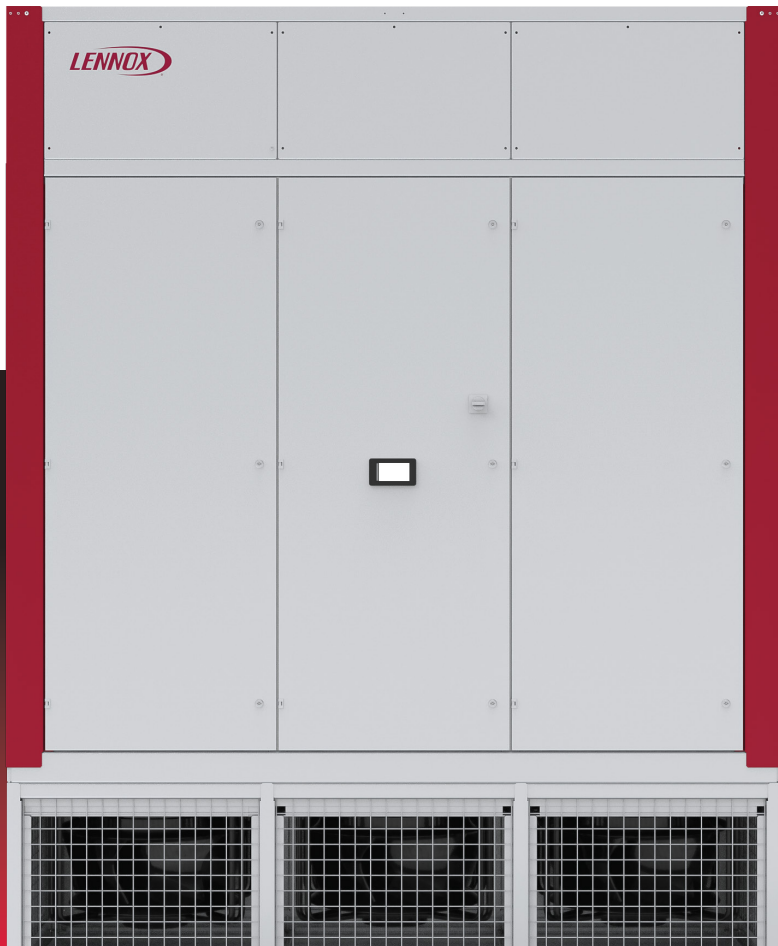
APX_A 2875_B S_C L_D

A Model

B Unit size

C S = standard height, standard depth (2-8 row coil)
M = extended height, standard depth (2-8 row coil)
L = extended height, extended depth (9-10 row coil)

D L = Left piping connection
R = Right piping connection



CONTROLS/OPERATION

- # Compatible with industry-standard BMS protocols, including BACnet, Modbus, and SNMP
- # Advanced teamwork functionality enables up to 32 units to operate in synchronisation, optimising load balancing, redundancy, and energy efficiency
- # Multiple fan speed modulation strategies available, including differential pressure control and fixed return air temperature
- # Self-healing control logic ensures uninterrupted cooling performance, automatically compensating for sensor failures or communication disruptions



EASE OF MAINTENANCE

- # Front-facing components designed for quick and hassle-free access, reducing service time and complexity
- # Slide-rail fan assembly enables swift replacement, ensuring minimal disruption during critical maintenance procedures
- # Valve located to support efficient commissioning and routine servicing
- # Standardised electrical panels ensures consistency across the range, facilitating CxA integration by simplifying wiring requirements, diagrams, and commissioning schedules



CONTROL

- # Downflow configuration for both underfloor air distribution and flooded room arrangements
- # Supplied with ISO Coarse 65% (G4) filters as standard, with optional upgrades to ISO ePM10 50% (M5) or ISO ePM1 50% (F7)
- # Customisable fan and coil arrangements to optimise thermal and electrical performance



FLEXIBLE, CUSTOMISABLE SOLUTIONS

- # Modular design allows customisation of coil size, fan quantity, and connection position
- # Coil configurations available with 4-10 tube rows and selectable fin pitches from 1.8mm to 2.5mm
- # Units can be specified as left- or right-handed, with flanged or Victaulic connections

GENERAL DATA

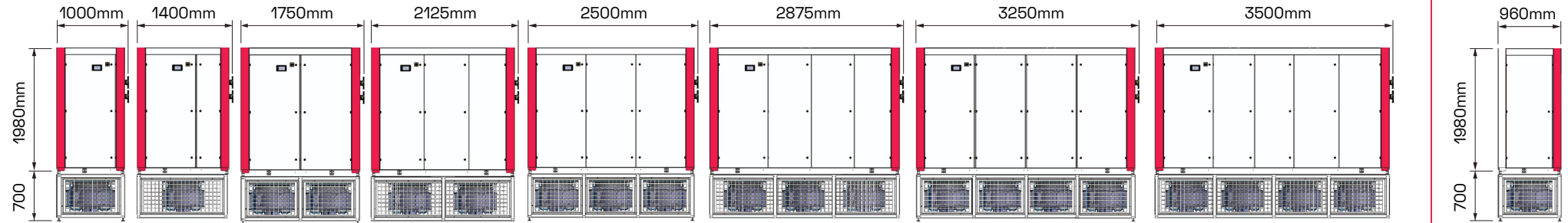
CRAH APX SERIES

The range offers multiple sizing options, allowing users to select units tailored to specific cooling loads, spatial constraints, and operational requirements. With variations in footprint, coil configurations, and airflow capacities, these options ensure optimal thermal management across diverse data centre layouts, from edge facilities to large-scale hyperscale deployments.

STANDARD HEIGHT **S** standard height, standard depth (2-8 row coil)

Width

Depth

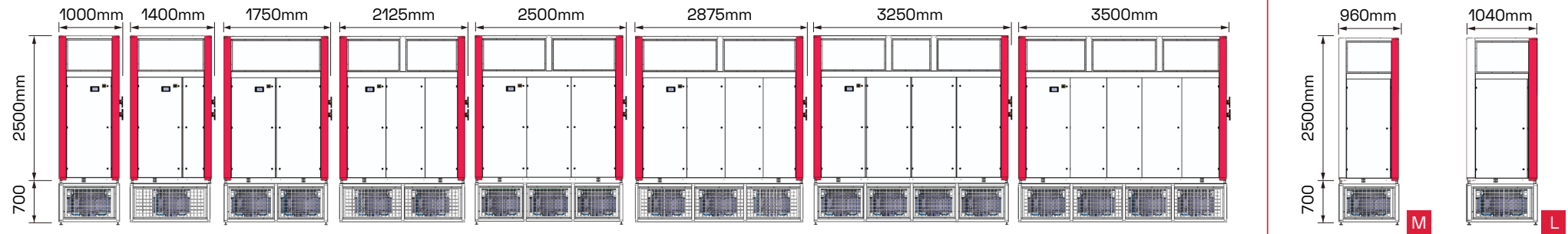


EXTENDED HEIGHT **M** extended height, standard depth (2-8 row coil)

L extended height, extended depth (9-10 row coil)

Width

Depth





DATA CENTRE SOLUTIONS

ENGINEERED FOR TOMORROW

WHERE YOU CAN FIND US

LOCATIONS

OUR OFFICES

- UK
- FRANCE
- NETHERLANDS
- GERMANY
- SPAIN
- BELGIUM
- POLAND
- PORTUGAL
- ITALY

OUR MANUFACTURING

- FRANCE
- SPAIN



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