



DAIKIN APPLIED (UK) LTD

HTM PRO - T SERIES

AIR HANDLING UNIT



Applied HVAC specialists for complex, large scale projects

Manufacturing AHUs, Chillers, and Heat Pumps for HVAC systems in the UK
Formerly McQuay

AHUs

Chillers

Service

Rentals

Spares

HTM-PRO

HTM-Pro is Daikin's cabinet-style AHU for modern healthcare settings. Compact yet powerful, it meets HTM 03-01 requirements and suits refurbishments, modular builds, and space-limited plant rooms. Installation is simplified while maintaining high standards for filtration, airflow, and hygiene while delivering compliance and peace of mind in critical care.

COMPACT COMPLIANCE WITHOUT COMPROMISE

Meeting HTM 03-01 within existing building layouts is a challenge. The HTM-Pro solves this by delivering full HTM compliance in a space-saving cabinet style format - well suited to refurbishments, modular builds, and plant rooms where space is limited. Installation is simplified with no compromise on filtration, airflow, or hygiene.

MADE IN BRITAIN

Developed and manufactured in the North East of England, the HTM-Pro reflects Daikin's commitment to UK engineering and healthcare with locally built, high-performance solutions and reduced transport emissions



Air flow Capability

Available in a range of sizes suitable for various applications, including treatment rooms, isolation areas, clinical spaces, and general wards.

Configurable to meet specific airflow and pressure regime requirements as outlined in HTM 03-01.

IAQ MATTERS

Delivers hospital-grade air quality with high-efficiency filtration and optimised airflow, supporting infection control, compliance, and well-being.

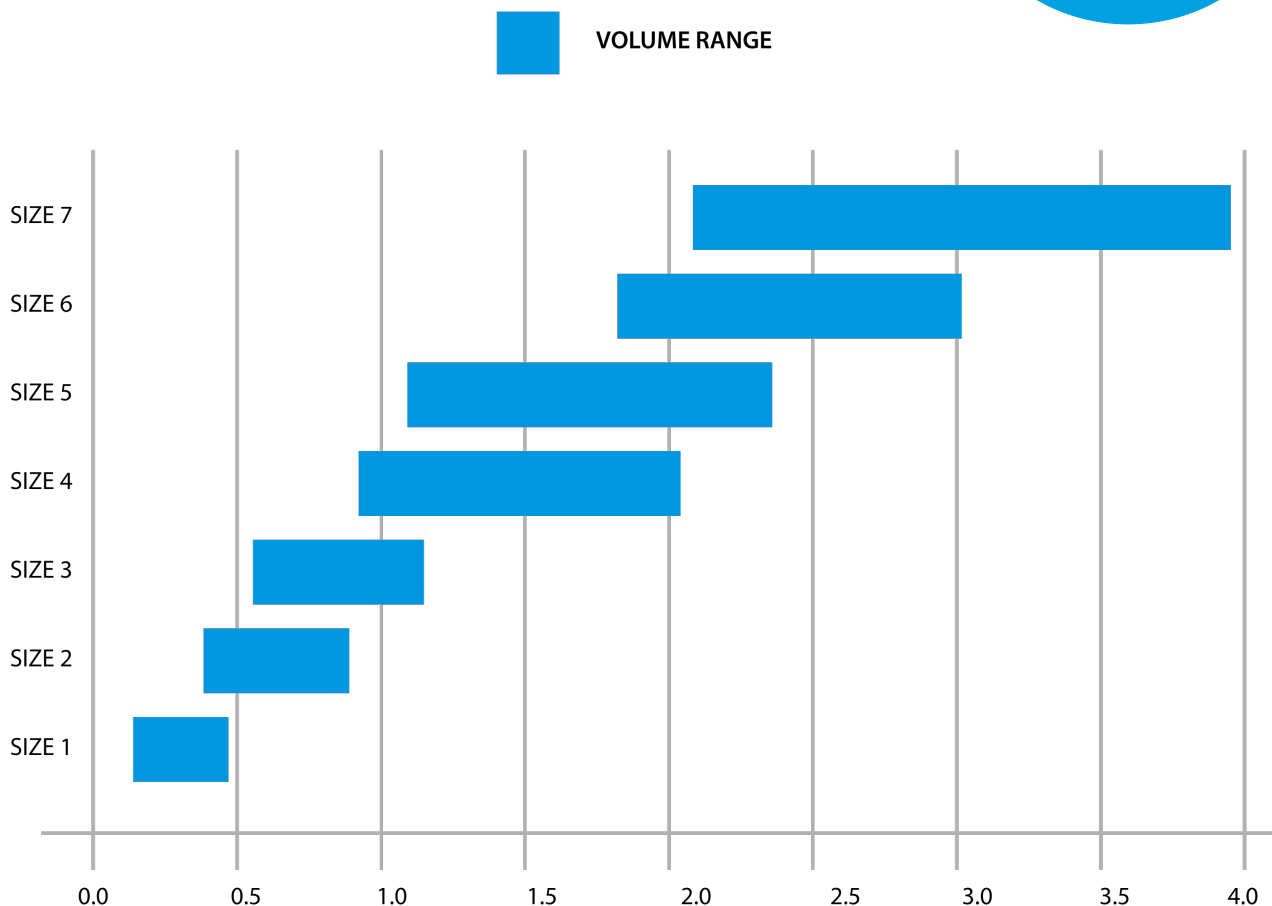


FORM FACTOR

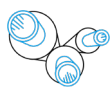
Delivered as a fully assembled cabinet unit, ideal for restricted access and space.

Rigid single-piece build improves strength, reduces leakage, and supports hygienic performance in line with healthcare requirements.

Widths from just
740 mm - designed
for restricted
plant rooms and
refurbishments



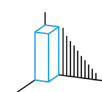
Tool free, removable slide drain trays, for faster, safer hygiene maintenance.



Side pipework exits keep a clear front face and installation flush to walls.



Pre-wired and factory tested plug-and-play digital controls for quick commissioning and reliable operation.



Top duct connections to reduce footprint. Widths from just 740mm for 0.25 to 0.85m³/s airflow.



Built-in LED lighting for safe, easy inspection and servicing.



FLEXIBILITY TO MEET YOUR NEEDS

FILTER

- ePM10 70% (M5) primary filter
- F7 (ePM1 55%) filter last in line
- ePM10 70% (M5) return filter

CONTROL

- Plug and play controls for an easy and quick start-up and unit operation

HEAT EXCHANGER

- High-efficiency counter flow plate
- Up to 80% of the thermal energy is recovered

CASING AND INSULATION

- T2 TB2 Thermal break construction
- 42mm double skin panel, mineral wool insulation
- Pre-painted internal and external panels
- Internal Parts: Stainless Steel





DAMPER

- Class 3, rolled aluminium, lever mechanism, plastic free
- Suitable for motorisation

COIL

- Water fog coil
- -5°C to 0°C

COIL

- Water cooling coil
- Water re-heat coil
- $15^{\circ}\Delta\text{T}$
- DX/Electric options

FAN

- EC Fans, motor class IE5
- Plug and socket for quick changeover

DRAIN TRAY

- Slide removable
- Tool-free removal

EASY MAINTENANCE

- All components removed with few and simple actions
- Hinged doors allow full access up and down stream of each component

HTM-PRO

main features

CONTROLS AND FUNCTIONALITY

- Free cooling and free heating management
- VRV DX direct expansion integration
- Programmable scheduling
- Temperature logic (supply, return, ambient)
- Preloaded control parameters
- Factory-tested plug-and-play

CONTROL INTERFACE & CONNECTIVITY

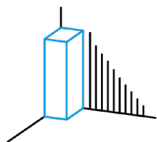
- User-friendly digital interface
- Local supervision with optional remote monitoring
- BMS integration via Modbus or BACnet
- Optional water valve control

MONITORING AND SAFETY

- Analogue filter pressure monitoring
- Shut-off dampers with pre-wired spring return actuators on all air inlets and outlets
- Integrated frost protection
- Easy maintenance

LIGHTING AND POWER

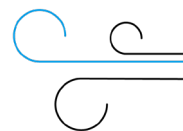
- 24V IP67-rated internal LED lighting operated from a single switch
- Separate power supply for internal lighting and integrated service socket



COMPACT DESIGN



HTM 03-01 COMPLIANT



HIGH AIRFLOW PERFORMANCE

PLUG AND PLAY CONTROL SYSTEMS

- Daikin's Digital Control Platform, ensures HTM 03-01 compliant control with 3 pre-programmable operating modes (On, Eco, and Boost) for quick setup and flexible operation.
- Dedicated key sensors such as pressure monitoring transducers, ensure accurate and reliable environmental control.
- All units with factory-integrated controls are fully wired, pre-programmed, tested, and HTM 03-01 compliant, ensuring consistent and reliable installation.
- The optimised internal layout enhances serviceability and installation efficiency.

DAIKIN ON SITE

active remote monitoring

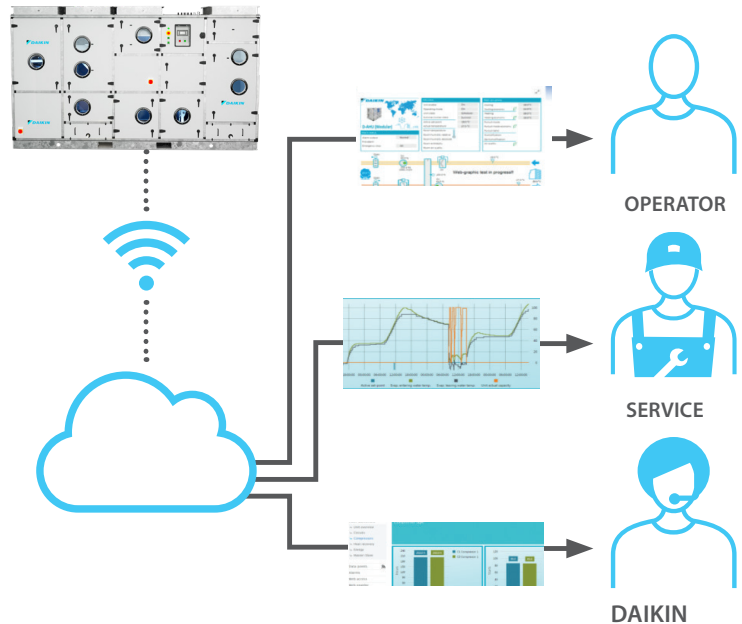
WHAT IS DAIKIN ON SITE?

24/7 remote monitoring of AHUs and chillers
enabling Daikin experts to remotely optimise
and maintain performance

LOWER LIFETIME COST

Energy and maintenance make up 85% of
lifetime system costs. DoS can keep energy
costs to a minimum:

1. Provide maximum efficiency and reliability.
2. Prevent downtime and major repairs.



BENEFITS AND VALUE

Instant Alarm Notifications

Instant alerts prevent disruption and downtime

Customisable Dashboard

Display the metrics and information most relevant
to your operations.

Monitor and control your plant from any location

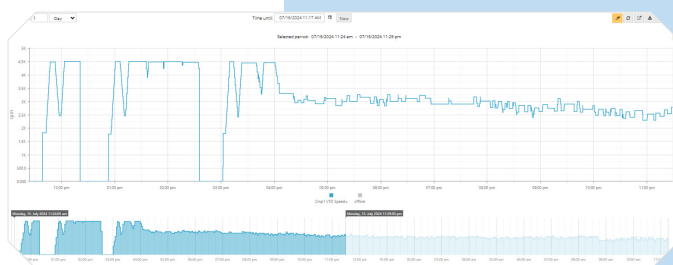
Remote adjustments reduce site visits and
downtime

Real-Time and Historical Data Trends

- Make informed decisions quickly
- Improve system efficiency
- Identify cost-saving opportunities

Predictive Analytics for Proactive Maintenance

Analytics and trend analysis predict faults early
and reduce downtime



Datapoint trend analysis

Ticket status	Raised	Priority	Event state	Label	Address	Plant name
Open	2024.07.16 11:20:26	Class 1	OFF Normal	+ 14.12.2023 22:23...		
Open	2024.07.16 10:08:57	Class 1	OFF Normal			
Open	2024.07.14 10:50:02	Class 1	High limit	+ 23.11.2023 07:51...		
Open	2024.07.10 07:46:27	Class 1	OFF Normal	+ 02.12.2023 10:16...		
Open	2024.07.09 13:35:39	Class 1	Fault	+ 14.12.2023 11:36...		
Open	2024.07.09 13:35:39	Class 1	Fault	+ 14.12.2023 11:36...		
Open	2024.07.09 13:35:39	Class 1	Fault	+ 14.12.2023 11:36...		

Advanced Alarm Dashboard

TECHNICAL DATA

HTM PROFESSIONAL	Model	Size 1	Size 2	Size 3	Size 4	Size 5	Size 6	Size 7	
NOMINAL AIRFLOW	m³/s	0.25	0.60	0.95	1.45	1.95	2.45	2.95	
PHE THERMAL EFFICIENCY	%	>73							
EXTERNAL STATIC PRESSURE	Pa	250		300					
POWER INPUT¹	kW	0.9	1.18	1.66	2.48	3.35	4.41	5.22	
SFPV²	kW/m³/s	1.69	1.70	1.75	1.71	1.72	1.80	1.77	
ELECTRICAL SUPPLY MAIN	Phase (Ph)	3+N+PE							
	Frequency (hz)	50							
	Voltage (V)	400							
	Full Load Current³ (A)	20.2	20.2	20.4	20.2		34.8		
ELECTRICAL SUPPLY AUXILIARY⁴	Phase (ph)	1+N							
	Frequency (hz)	50							
	Voltage (V)	230							
	Full Load Current³ (A)	18.70							
Unit DIMENSIONS	Width (mm)	740	740	1,100	1,500	1,900	2,040	2,300	
	Height⁵ (mm)	2,060					2,150		
	LeNgtḥ⁶ (mm)	3,840					4,100		

Total absorbed power input at nominal airflow and clean filter conditions | 2. SFP and nominal airflow, 300pa and clean filters | 3. Full potential current of fan and controls panel | 4. Auxiliary supply for lighting and service socket | 5. Height includes base and excludes dampers | 6. Length excludes coil pipework.



For Product, Service & Maintenance,
Rental, and Spares enquiries:



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