

AHU TECHNICAL DATA SHEET

Specification / Parameter	Value
NOMINAL AIRFLOW	
Supply Air (l/sec)	25000

SUPPLY FAN	
Fan Type	EC Plug
Fan Motor	EC Motor
Motor Power (Watts)	4700
External Static (Pa)	250
Fan Diameter	500
Number of Fans	7

ELECTRICAL	
Supply Fan FLA (A)	51.1 51.1 51.1
Volt/Phase	415V/3ph
Switchboard	Yes
Circuit Breakers	Yes

HOT WATER COIL	
Total Capacity (kW)	500-550
Size FL x FH (mm)	5200 x 2150
Water In (°C) / Water Out (°C)	80° / 60°
Coil Coating	Epoxy Coated
Face Velocity (m/sec)	2.2

DX COIL	
Total Capacity (kW)	500-550
Size FL x FH (mm)	5200 x 2150
Refrigerant	R407C / R410A
Face Velocity (m/sec)	2.2

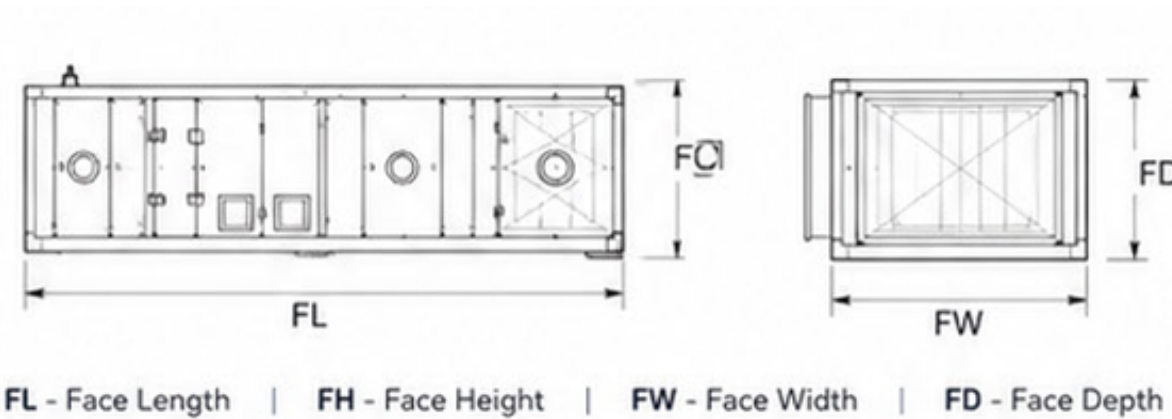
OPTIONS	
Economy Cycle	Available
75mm Panel Casing	Available
Corrosion Resistant Lining	Available
Metu Duct Frames	Available
Fresh Air / Return Air Dampers	Available

CABINET CONSTRUCTION	
Casing	50mm Panel
Insulation Value	R2.0
Side Access Panels	Included

FILTERS	
Type	Deep Bed Filters F5
Size L x W x D (mm)	610 x 610 x 380
Number of Filters	24
Size L x W x D (mm)	610 x 305 x 380
Number of Filters	8
Prefilters	Optional

CHILLED WATER COIL	
Total Capacity (kW)	500-550
Size FL x FH (mm)	5200 x 2150
Water In (°C) / Water Out (°C)	7° / 14°
Coil Coating	Epoxy Coated
Face Velocity (m/sec)	2.2
Stainless Steel Drain Tray	Included

CONTROLS	
0-10V DC (Fan Control)	Included
24V AC Enable	Included
Fan Fault Signal	Included



DIMENSIONS - STANDARD AHU	
Height (mm)	2600
Width (mm)	5600
Length (mm)	2000
Weight (kg)	1930
Access Clearance (mm)	1200 (Controls & Filter Access)
Access Clearance (mm)	300

DIMENSIONS - AHU WITH PLENUM	
Height (mm)	2600
Width (mm)	5600
Length (mm)	3200
Weight (kg)	2370
Access Clearance (mm)	1200 (Controls & Filter Access)
Access Clearance (mm)	300

DUCT SIZES	
Return Air (mm)	5500 x 2400
Supply Air (mm)	5000 x 2000

