

SITA BETA : UPS ROOM CRAH UNITS



Project: SITA BETA
Specification: UPS ROOM CRAH UNITS
Date: 2026/02/06
Page: 1

Note (1): Bidder must complete/enter YELLOW cells only

Note (2): SITA reserves the right to verify Data Sheet information

Item	Description	Required/specified
General	Unit Type	CRAH
	Area Served	Data Halls and UPS Room
	Airflow Configuration	Displacement
	Fans Mounting	Separate Housing configuration
	Airflow Efficiency Ratio (AER)	≤12
	Panelling	Full Body Double Panel
	Controller Make and Model with I/O Expansion Module	CAREL pCO5+ Large and One I/O Module with 16 configurable channels or similar open source
	Controller Communication Protocol	Ethernet/IP, PROFINET & Modbus TCP/SNMP
	Mounting Surface	400mm High Galvanised and Painted Steel Stand
	Filters Dry media filter mass arrestance (EN 779)	G4
Electrical	Voltage / phase / frequency	400V/3ph/50Hz
	Power factor correction	Yes
	Power Supply	Dual/Double Power Supply with ATS (Automatic Transfer Switch) and UPS for the Controller
Capacities (CHW coil)	Required Gross Sensible Cooling capacity/unit	≥85 kW
	Required Net sensible cooling capacity/unit	≥ 80 kW
	Coil Air Temperature Delta	>10 °C
	RH at on coil temp	> 30%
	Off Coil Temperature	18 °C
	CHWS (Chilled Water Supply Temperature)	16 °C
	CHWR (Chilled Water Return Temperature)	24 °C
	Chilled water flow	5,1 l/s
	Coil pressure drop (including for full scope of supply)	<45
Motorised Valves	Outlet	PICV
	Inlet	Motorized Isolation Valve
	Energy meter	Included or separate flow meter
Fan	Supply Air Quantity (@ design Delta T)	≥ 15,3 m³/s
	Design delta T over unit (fan speed control)	> 10 °C
	Minimum efficiency	75%
	Maximum coil velocity	2,5 m/s
	Fan Static Pressure (external)	150 Pa
	Fan Type	EC

SITA BETA : UPS ROOM CRAH UNITS



Project: SITA BETA

Specification: UPS ROOM CRAH UNITS

Date: 2026/02/06

Page: 2

Item	Description	Required/specified
Controls	Local control	Supply Air Temperature Control
	SC / Master / Local control	Delta T over unit
	Number of Supply air temperature and pressure sensors (in addition to off coil sensor)	2 (Two), to be supplied with unit
	Availability to connect in master/slave layout	Yes
Accessories	Piping connection	Victaulic Type
	Inline Water Strainer	Yes
	Number of Remote sensors with inputs available to controller	6
	Internal piping insulation	Factory fitted
	Antivibration pads	Yes
General	Manufacture	
	Model	
	Chilled water connection diameter	
	Specified Units Gross sensible cooling capacity/unit (kW)	
	Specified Units Net sensible cooling capacity/unit (kW)	
	Number of fans with Redundancy N+1	
Dimensions	Height x Width x Length (excluding base module)	
	Weight in Kg	
Electrical	ATS (Automatic Transfer Switch) Make and Model	
	Fan Absorbed Power (kWe)	
	Fan Motor Size (kWe)	
	Unit Total Power Max (kWe)	
Electrical	ATS (Automatic Transfer Switch) Make and Model	
	Fan Absorbed Power (kWe)	
	Fan Motor Size (kWe)	
	Unit Total Power Max (kWe)	
2(Two) - Way Motorised Valve Set	Make	
	Model	
Fire Dampers	Make	
	Model	
<p>I, the bidder, confirm that the details provided in this data sheet are true and accurate. I further accept that all goods and/or works will be delivered as specified herein.</p> <p align="center">[Note (1): SITA reserves the right to verify Data Sheet information] [Note (2): First convert to PDF, then add signature]</p>		
		Bidder's Name
		Signature (above)