

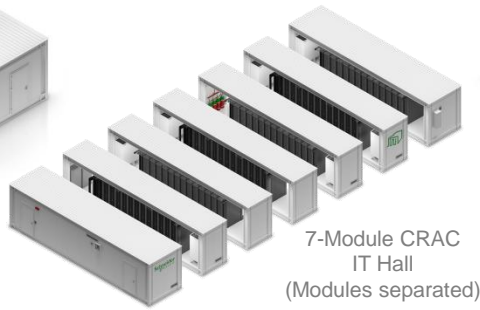
SmartShelter Data Hall

Prefabricated Data Center - EMEA

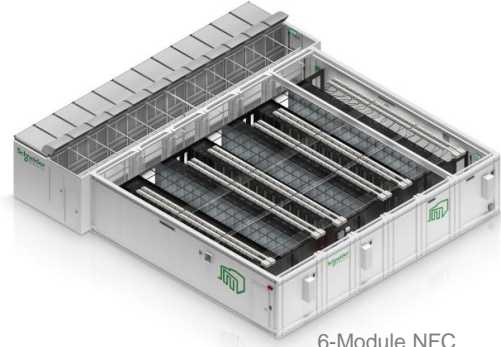
Quick Reference Sheet



7-Module CRAC
IT Hall



7-Module CRAC
IT Hall
(Modules separated)



6-Module NFC
IT Hall
(Roof removed for clarity)

	PFMIEG500C2E098B-001 7 Modules 500 kW 98 Racks	PFMIEG495E2E102B-001 6 Modules 495kW 102 Racks
Power - Input		
Input Power Voltage (Nominal)	400V AC, 3 Phase, 50 Hz	
Minimum Input Current	722A	
Power Distribution		
Total IT Load Capacity	500kW (98 racks at 5.1 kW per rack)	495kW (102 racks at 4.9 kW per rack)
Non-Critical Power Capacity	95kW	157kW
Nominal Output Voltage to Rack	400V AC, 3 Phase, with overload protection	400V AC, 3 Phase, with overload protection
Main Distribution	Canalis KN 160A Busway	
Rack Distribution	AP8881 - Max individual Rack Power - 11kW	
Cooling		
Type and Number of Units	8 TDCV2500A Perimeter CRACs (2) with reheat and humidification	12 NFC (DX or Chilled Water); (5) with Humidification and (2) with Heater
Cooling Capacity	550kW N+1 (625kW Total)	550kW N+1 (600kW Total)
Nominal Conditions	Inlet 15 °C, Outlet 20.6 °C, 30% Glycol	
pPUE	1.2 - 1.3	1.14 - 1.16
Racks		
Rack Qty. Size and Type	91 - AR3300 - 42U x 600mm (w) x 1200mm (d) 7 - AR3350 - 42U x 750mm (w) x 1200mm (d)	96 - AR3300 - 42U x 600mm (w) x 1200mm (d) 6 - AR3350 - 42U x 750mm (w) x 1200mm (d)
Hot Aisle/Cold Aisle	1200mm wide	
Containment System	Ducted Hot air vertically to return plenum. Hot aisle contained at end with sliding doors.	
Management System and Safety		
StruxureWare Data Center Expert	DCIM module for monitors, manages and controls devices that provide power, cooling, security, and environmental data	
Environmental Monitoring	Cooling Unit Temp Sensors: AP9335T (at each rack); Humidity Probe at each row; Netbotz Cameras in each row	
Fire Suppression and Detection	NOVEC clean agent system with smoke/heat detection, auto/manual activation, and audible/strobe alarms.	
Additional Features	Physical surveillance Cameras, Integrated Power Management System and Controls, Entry Locks, Fingerprint Scanner	
Exits	1 Primary, 3 Emergency	1 Primary, 4 Emergency
Physical		
Configuration	7 modules ganged to form single, continuous space	6 modules ganged to form single, continuous space, mated on end with skids supporting Air Economizers and ducting plenum
Individual Module Dimensions Length x Width x Height (m)	5 Interior Modules - 13.7 x 2.4 x 3.6m 2 End Cap Modules - 13.700 x 3.2 x 3.6m	4 Interior Modules - 13.7 x 2.4 x 3.6m 2 End Cap Modules - 13.7 x 3.2 x 3.6m Air Economizer Skid - 8.65 x 2.5 x 3.46m Plenum Skid - 8.65 x 2.4 x 3.56m
Total Data Hall Dimensions Length x Width x Height (mm)	13.7 x 18.4 x 3.6m	18.6 x 17.3 x 3.6m