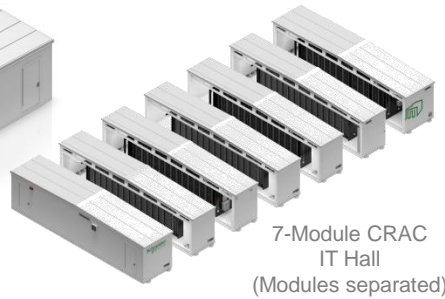


# SmartShelter Data Hall

## Prefabricated Data Center - NAM

### Quick Reference Sheet



#### PFMIEG500C2N097A with CRAC 7 Modules 500 kW 97 Racks

#### PFMIEG465E2N102A with NFC 6 Modules 495kW 102 Racks

Power - Input		
Input Power Voltage (Nominal)	480V AC, 3 Phase, 60 Hz	
Minimum Input Current	602A	
Power Distribution		
Total IT Load Capacity	500kW (97 racks at 5.1 kW per rack)	465kW (102 racks at 4.6 kW per rack)
Non-Critical Power Capacity	111kW	138kW
Nominal Output Voltage to Rack	480V AC, 3 Phase, with overload protection	
Main Distribution	PDPM175G6H (8) Power Distribution Units PDPM277H (6) Remote Power Panels	
Rack Distribution	AP8886 Metered, 23kW, 240V, 32A, (30) C13 & (12) C19 - (2 Per Rack)	
Cooling		
Type and Number of Units	8 TDCV2500G 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	90 - 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 - 13.7 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