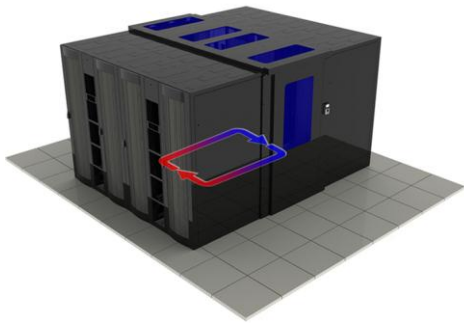


## Technical Specifications

### Smartrac – Cold Aisle Containment (Closed Loop)

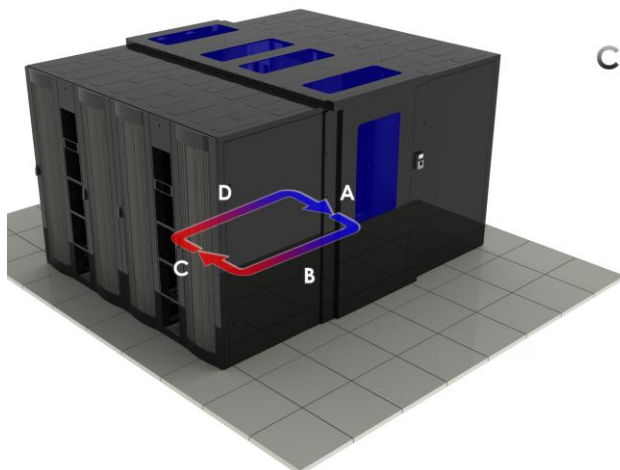


Rack Hardware	
Rack Model	Smartrac
Rack QTY	6 (2 rows of 3)
Rack Dimensions	47U x 750mm wide x 1200mm deep
Rack Divisions	6 x VCM intermediate cooling management plates
Tunnel Hardware	
Front Door	Automatic sliding door
Front Door Access Control	Virdi AC2100 Fingerprint & RF Card reader
Rear Door	Double swing glass doors
Rear Door Access Control	Lockable swing handles
Ceiling	Glass panels to facilitate external lighting. Additional lights fitted to extension closet ceilings.

Air Conditioning	
Air Conditioning Configuration	In-Row cooling with external chiller plant
In-Row Cooler Model	MR-SRCSSW-A1
In-Row Cooler QTY	2
In-Row Cooler Capacity	12.4kW each, 24.8kW total theoretical maximum
In-Row Cooler EC Fan Upgrade	Optional
Chiller Plant Model	AERMEC ANL090A
Chiller Plant QTY	1
Chiller Plant Capacity	22.3kW total theoretical maximum
BMS/Rack Management System	Included

Environmental Monitoring	
Monitoring Base	TM2
Digital Inputs	8
Analogue Temperature Sensors	1
Interface	Graphical user interface via integrated web server
Alerting	SMS, SNMP, Email
Form Factor	1U

Fire Protection	
Smoke Detectors	2
Fire Extinguishing Material	Stat-X 250e



### Closed Loop Cold Aisle Containment

- A** The contained aisle is flooded with cold air from the in-row cooling plants
- B** The cold air is pulled through the equipment, heating up along the way
- C** The warm air is forced through the perforated VCM into the rear of the in-row cooling plant
- D** The in-row cooling plant cools the warm air down to the set temperature