

## DATA CENTER SPECIFICATION

Bo3: Waltham, Ma



Savvis Data Centers offer world-class facilities for Power Management, Heating/Ventilation/Air Conditioning (HVAC), Fire Detection and Suppression, Seismic Engineering, Physical Security, Tier 1 Internet connectivity, and access to our Intelligent IP and IP MPLS network. The first phase of the BO3 Data Center offers customers 37,495 square feet of premier data center space with ample room for expansion. The facility is designed to meet the stringent demands of Enterprise customers who require reliable availability to critical IT assets. With this in mind, all design elements of the BO3 Data Center have been engineered to ensure that customer's IT infrastructure resides in a physically and logically secure space. Environmental conditions are tightly monitored and controlled, power is sourced by redundant utility power feeds and backed up by on-site diesel generators and the facility is staffed 24/7 by on site personnel.



Located in Waltham, Massachusetts, the Savvis Data Center is 20 miles from Logan International Airport and downtown Boston. The facility is conveniently located near dozens of hotels and restaurants. Nearby hotels include: Westin, Courtyard Marriott, Sierra Suites and Holiday Inn Express, all of which are within a 5 mile drive of the facility.

### Power and Utility Provider

Power in this data center is 100% redundant. The design features isolated paths from two fully independent UPS systems; each of which can carry the entire load of the part of the data center that it serves. In the unlikely event of a UPS failure or any of its downstream devices, the other UPS will safely assume the entire load, without any switching or load transfer. During planned maintenance of a UPS module, the load of one feed will be internally transferred to a generator while the other feed will remain on UPS-protected power. N-Star is the utility provider with three 2500 kVA feeders.

### Real Estate Description

Existing building was retrofitted to data center. Calculations are representative of exterior dimensions used for calculations.

- Phase C (sf) = 13,565

### HVAC Description

The Computer Room Air Conditioning (CRAC) system for the raised floor space consists of twenty-four Computer Room Air Conditioners (CRACs) units fed from an N+1 central chilled water plant. Air is distributed through the 24 inch raised floor with movable floor diffusers to equally distribute the air. The facility's chilled water plant consists of three, 500-ton air-cooled DX chillers

### Electrical Summary

- Power Density (W/sf) = 150
- Primary BUS # = 2
- Redundant BUS # = 1
- Generator Quantity = 3
- Generator Capacity = 2.0 MW each
- Generator Capacity = 2.0 MW each
- Overall UPS Power = 4050 kW
- UPS Primary units = 4 (675 kW each)
- Redundant UPS = 2 (675 kW each)

### Real Estate Summary

- Total Interior (sf) = 71,000
- Raised Floor
  - Phase A (sf) = 13,980
  - Phase B (sf) = 9,950

### Mechanical Summary

- Cooling System = Chilled Water CRAC
- Raised Floor (inches) = 24
- Humidity Control = Yes
- Design Temp (F) = 72 +/- 2° Savvis IT Infrastructure

### DataCenter Specifications

Includes one chiller for redundancy and variable speed pump systems which delivers chilled water to the CRACs. The power feed of all CRAC units and the chilled water plant equipment is equally distributed across all electrical buses with sufficient capacity to withstand one electrical bus failure. Humidity is controlled by eight of the CRAC units. Both humidification and dehumidification are monitored by a local sensor. The entire HVAC system is controlled by a Building Management System (BMS) for monitoring and controlling as well as alarm notification to facilities 24 hours a day, 7 days a week. The NODE and UPS rooms have separate CRAC units plus one redundant unit.

### Fire Detection and Suppression

The data center has a dual interlock pre-action fire sprinkler system. Two initiating device inputs require heat detection and loss of air pressure to activate water to flow into the pipe. Under normal operation, the sprinkler pipe contains no water.

### Fuel Description

The fuel system has been designed to provide continuous run time under full load. 7500 gallons of fuel is kept on site in the event of power failure which will provide 23 hours at full load before refueling is required. Savvis negotiates multiple fuel supplier agreements to ensure timely refueling when needed.

### Building Monitoring System Description

Tour Andover Building Management System monitors and controls the HVAC system. Square D Power Logic System monitors the mission critical power system.

### Ground Description

Building grounding system exceeds NEC and IEEE standards. A signal reference ground system compliant with the National Electrical code and ANSI/TIA-942- 2005 is installed.

### About Savvis

Savvis, Inc. (NASDAQ:SVVS) is an outsourcing provider of managed computing and network infrastructure for IT applications. By outsourcing to Savvis, enterprises can focus on their core business while Savvis ensures the quality of their IT infrastructure. Leading IT organizations around the world have selected Savvis to help them improve their service levels, reduce capital expense and deal with the rising costs of bandwidth, energy, real estate, staff and expertise. As a pioneer in utility computing, Savvis understands and harnesses the latest advances in technology like virtualization, cloud computing and support process automation.

BO3: Waltham, MA For more information about Savvis, visit [www.savvis.net](http://www.savvis.net) or call 1.800.SAVVIS.1 (1.800.728.8471).



EMEA  
Savvis UK Limited  
Tel +44 (0)118 322 6000

AsiaPacific  
Savvis Singapore Company Pte Ltd  
Tel +65 6768 8000

JAPAN  
Savvis Communications K.K.  
Tel +81.3.5214.0151

