

# Server Room Selection Check List

1. Take a picture of the rack(s)
2. Inventory the equipment by serial number
3. Notate the Watts per piece and calculate total
4. Draw a plan view of the space
5. Calculate the Room Size
6. Is the equipment mission critical?
7. Does the space require specific temperature and humidity tolerances?
8. Is the room on an exterior or interior wall
9. Where is the condensate going to be plumbed
10. What style of indoor unit will have the best impact on heat removal and air circulation? (Hot Aisle and Cold Aisle)

## Room Size - Interior Space Load

Length x Width = Square footage

\_\_\_\_\_ Square footage x 30 Btu = \_\_\_\_\_ Total Btu's

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## Computer Room Formula

Space Load Btu/h \_\_\_\_\_ + (Equip. Btu/h \_\_\_\_\_ x 1.3) = \_\_\_\_\_ Total

Total Btu/h \_\_\_\_\_ x growth percentage = \_\_\_\_\_ Selection total

## Formulas for Equipment Load

Volts x Amps = Watts    1000 Watts = 3,414 Btu/h

**!!! It is recommended that 30% of the value of the equipment be set as the budget for cooling systems. This method will ensure 100% redundancy !!!**

**NOTE: Discuss with the customer a room temperature of 75F ~ 80F**