

QUICKLY & EFFECTIVELY ENSURE RELIABILITY FOR SMALL IT SPACES



EC Containment Cooling for Small IT Spaces

APPLICATION | EC7004A
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The IT industry is increasing the supply air temperature delivered to the IT equipment space to improve data center efficiency. Army Corp of Engineers, General Dynamics and Oracle are a few companies that have selected Opengate EC systems to automate data center cooling and maximize energy efficiency. ASHRAE increased the acceptable intake temperature to 80.6 °F (27 °C) specifically for improved data center cooling efficiency. Chillers consume the most energy in a typical cooling circuit and with raised supply air temp, chillers are operational less of the time..

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204-257-4822

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EC Containment Cooling for Small IT Spaces

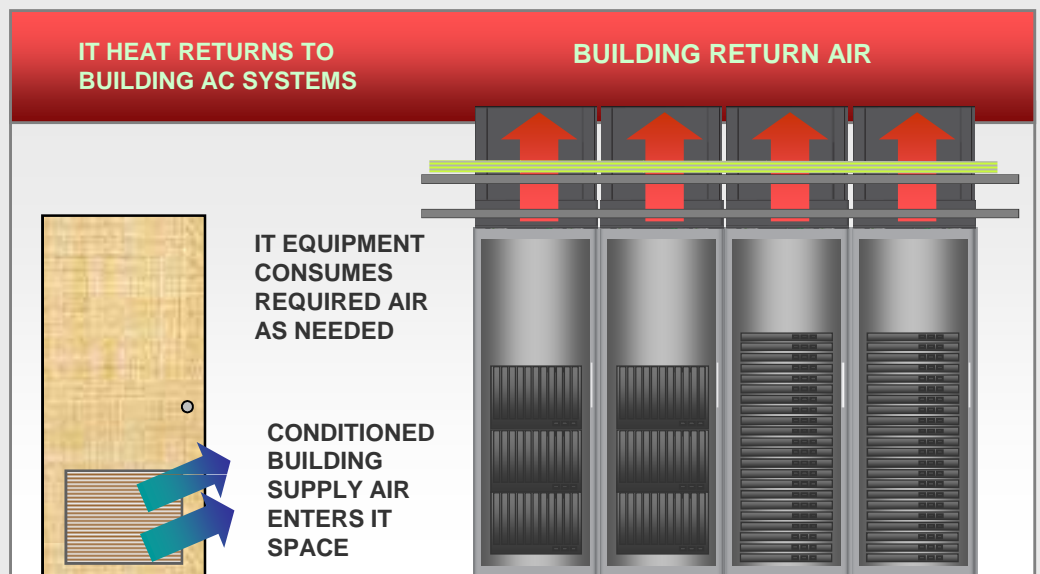
QUICKLY AND EFFECTIVELY CONVERT SMALL IT SPACES FOR RELIABLE COMPUTING

Cooling Low Density Closet & Small Computer Room Spaces

Maintain proper temperature within the network or small computer room. Superior intelligence and visibility to critical thermal conditions via the web interface software over Ethernet allows remote alarm notification and control to adjust cooling levels. Continually deliver predictable temperatures to your IT equipment and achieve the highest degree of cooling efficiency with Opengate Data Systems.

Use Building Supply for 0-3 kW IT Load per Rack Enclosure

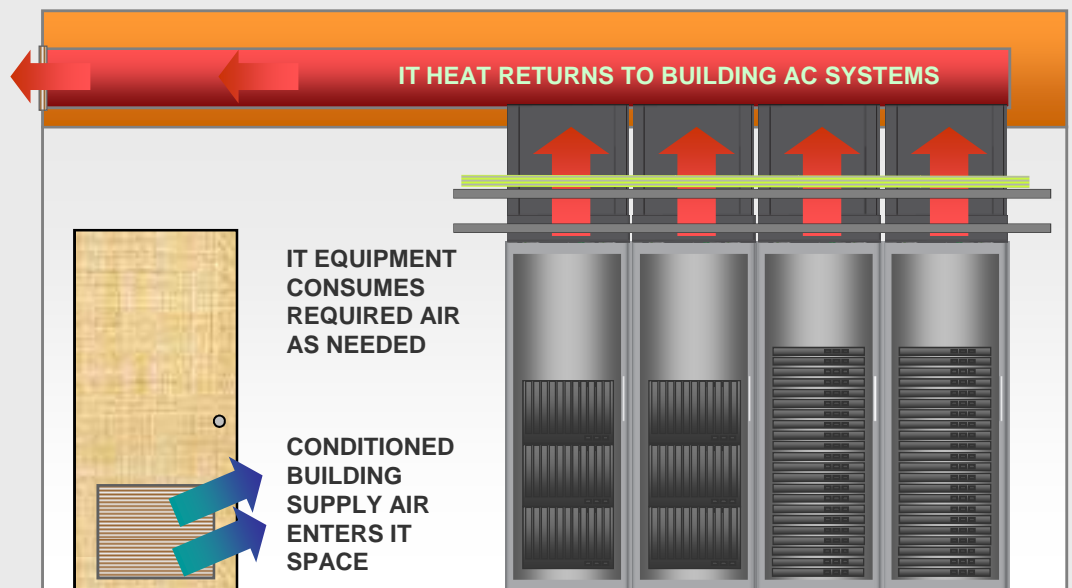
Heated exhaust air from IT racks is directed to a ceiling plenum that is the building air return. Air enters small space through a vent located low in the wall or door.



Check local fire code for acceptance

Use Building Supply for 0-3 kW IT Load per Rack Enclosure with Dedicated Exhaust to Corridor

Heated exhaust air from IT racks is directed to a dedicated duct and exhausted to the corridor. Air enters through a vent located low in the wall or door.



Check local fire code for acceptance

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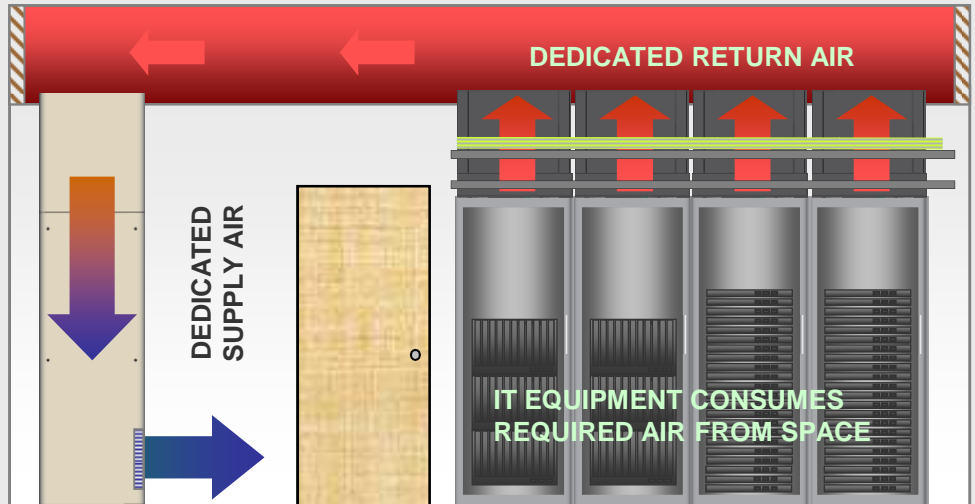
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Cooling Higher Density Small Computer Rooms

Mid-High Density IT spaces require the addition of precision AC systems. Use the following examples that best fit your application to maintain predictable temperatures to your IT equipment and achieve the highest degree of cooling efficiency. Rest easy with Opengate System's superior visibility to critical thermal conditions via the web interface software over Ethernet.

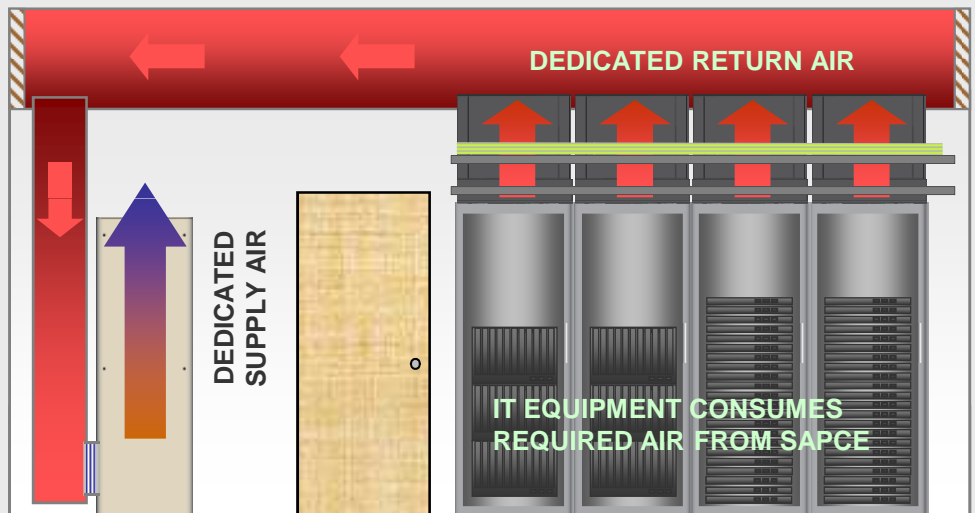
Dedicate Ceiling Return for 3-30 kW IT Load per Rack Enclosure

Heated exhaust air from IT racks is directed to a dedicated ceiling plenum for a direct path back to the down-flow precision AC unit/s.



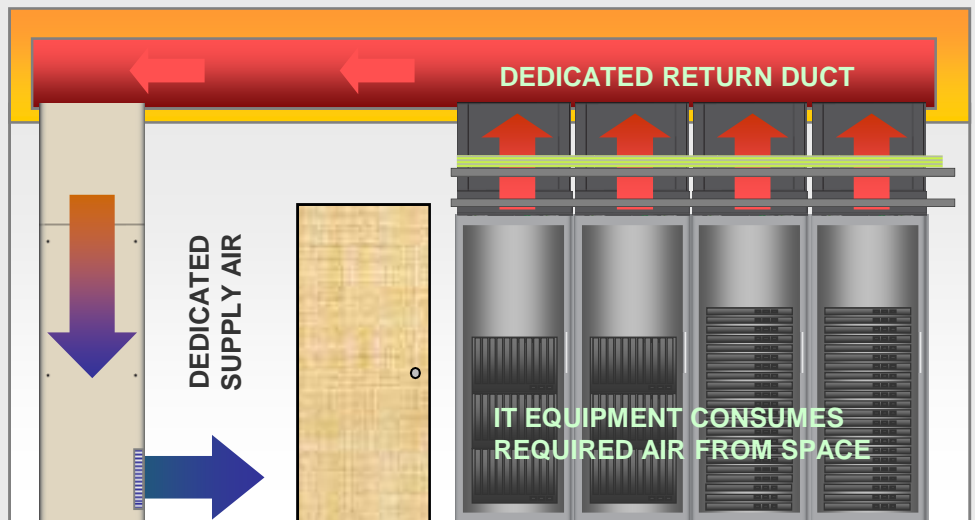
Dedicate Ceiling Return for 3-30 kW IT Load per Rack Enclosure

Heated exhaust air from IT racks is directed to a dedicated ceiling plenum for a direct path back to the up-flow precision AC unit/s.



Dedicate Return Duct in Ceiling for 3-30 kW IT Load per Rack Enclosure

Heated exhaust air from IT racks is directed to a dedicated return duct for a direct path back to the down-flow precision AC unit/s.



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