



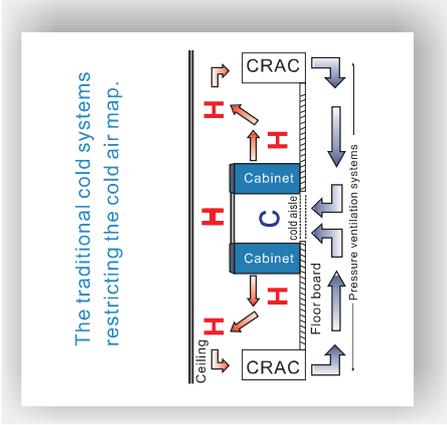
Yeefu Green Data Center

The Project for Data Center saving Energy

Seeking scientific Idea of saving Energy. Building harmonious data center

Cold Aisle and Hot Aisle Separately system:

The hot Aisle/Cold Aisle designing in data center is putting the cold air entry side of the two roll server cabinets in face to face position, the hot air in the other side. The aisle based of the front side cabinets named cold aisle, the hot air outlet side named hot aisle. Generally speaking, the cold aisle face to the conduit of the air conditioner cold air outlet, hot aisle face to the conduit of the air conditioner air inlet and build the air inlet on the top of the hot aisle. All the data center who adopt the cold aisle/hot aisle will install the removable floor board and will open the mouth in the front of the cabinets. The air conditioner transfer the cold air through the bottom floor board and transfer the cold air to cold aisle at the open mouth parts. The hot aisle is transfer the hot air back to the air equipment to circulate before cold air and hot air mixing.



Double Pipes Profile series Computer Data Center

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Cold Aisle Solutions for airflow containment

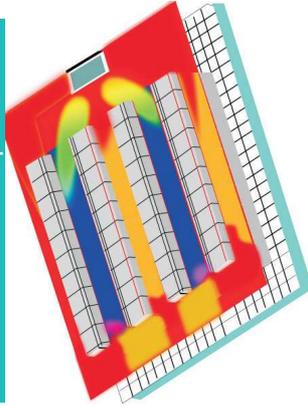
Prevent the growing warm up of the Earth . Improve the heat dissipation system of the data centre. Provide energy conservation solutions . In order to reduce the environment load from electricity power increasing in data centers and facilities or some other heat releasing problems related, we are here to give you a suggestion of offering efficient cooling and energy conservation equipment .

Hermetic panel for cold aisle
To airtight the space between cabinets with doors and top panels, the cold aisle separates the ground cold air from the facilities' waste heat. It can not only save the cold air from ground air-conditioner, but also prevent the waste heat recycling into the cabinets. The whole facilities bring about an efficient air control environment.

■ Analog Resolutions for heat flow

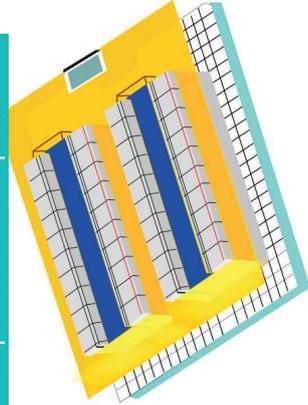
It can efficiently cool the cabinets by preventing the waste heat

Without hermetic panel



The useless heat From IT equipment entry cold aisle.

Adoptive hermetic panel



The temperature in could aisle is stable.

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■ Energy conservation

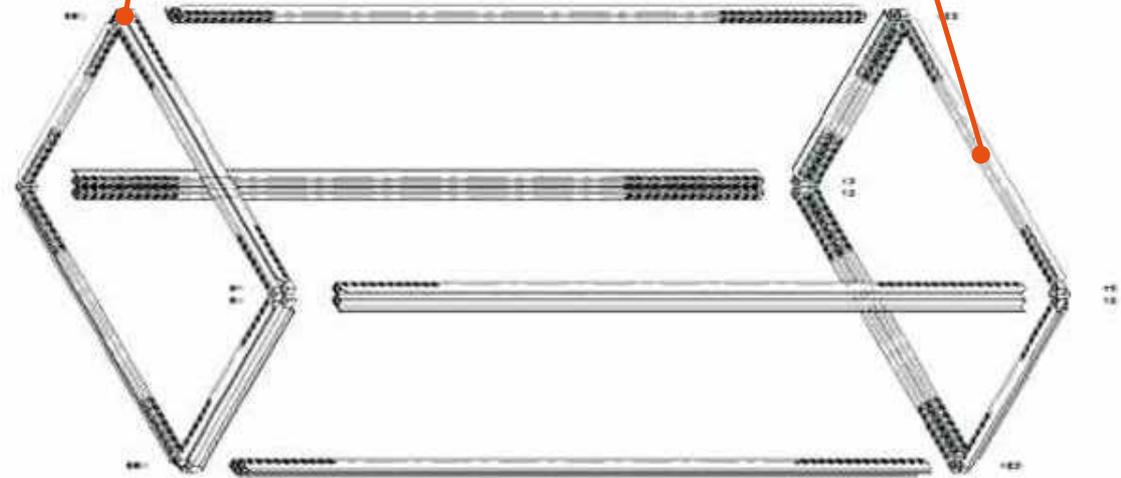
Compared with the common usage of air-conditioner in data center, adopting RDA hermetic panel of cold aisle for facilities can minimum limit the air flow, which can reduce 50% of the motive force of the air-conditioner.

Hermetic panel for cold aisle
(top cover)

Hermetic panel for cold aisle
(cold aisle entrance)

ST series
(19' server cabinets)





Unique inserting corner connector design make the connection more firmly and agility

Double pipes profile (Two different sectional profiles composing the cabinet)

Screwed Double Pipes Profile Frame
(Weld connection is another optional for customer)

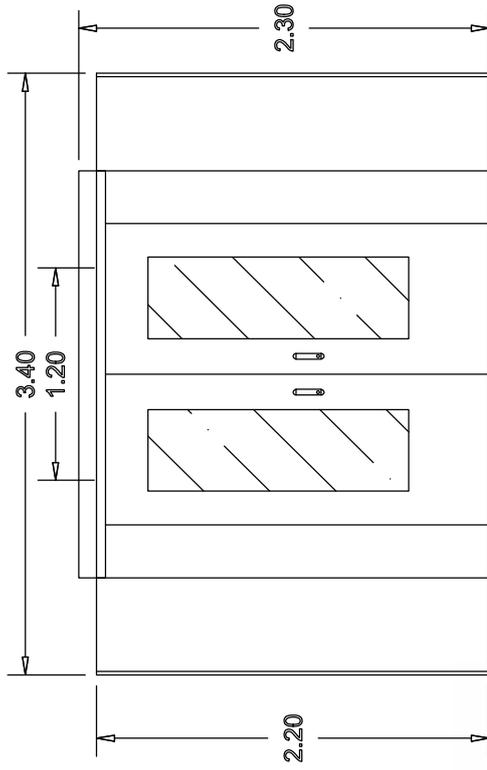
Double pipes multifunctional profile (shot for Double pipes profile)

Double pipes profile is the patent profile of YEEFU, it is a revolutionary innovation in the cabinet frame systems. It has the unique design in the world. Its successful secret is the profile process the standart and series design to meet bulk production request, it is easy to manufacture and with a low, using the less spare parts to meet more installation feasibility. Double pipes profile supports all sides baying, there are manifold install choice for the different positions. The genius disassembled configuration can not only solve the problem of week intensity of the disassembled cabinet but also reduce the transportation costs.

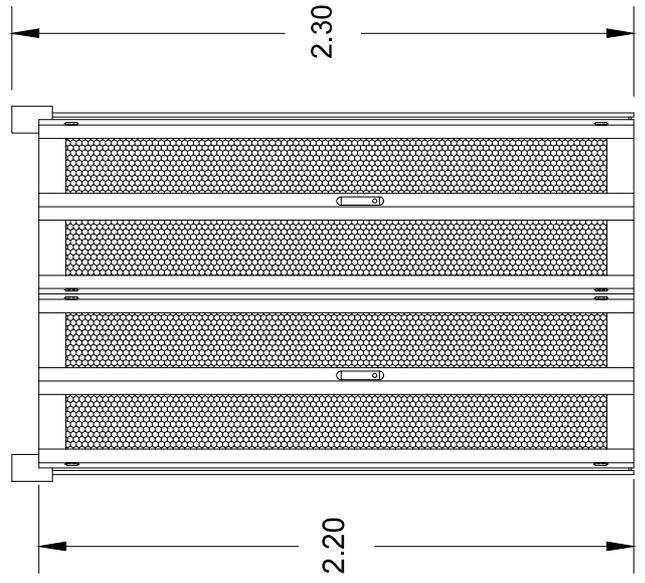
Double pipes Profile frame character

1. It has the multifunctional design and easy installation which can meet the customized requirement from clients.
2. The revolutionary double pipes multifunction profile with great mechanism characteristic.
3. Highly compatibility ---- It can be applicable for PS, SE cabinet accessories.
4. Standart ---- All the new products, accessories, solution's exploitation from YEEFU will base on this profile which include the network cabinet, Service cabinet, Industrial control cabinet Out door cabinet and the OEM products from clients.
5. The creative double deck frame structure ---- It can develop more than 15% space at most, the space between the outside and inside frame can use for dispose cable or install other accessories.
6. Stability ---- The disassembled cabinet's static loading capacity can meet 1500KG
7. Double pipes profile can meet double choice of weld and disassemble structures for customers.
8. It is easy to disassemble, assemble and transportation.

Front View



Side View



Top Plan

