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prism**dcs**™
committed to service

DATA CENTRE
Products Brochure

✓ SHORT MANUFACTURING LEAD TIMES

✓ IN HOUSE INSTALLATION TEAMS

✓ PRESTIGIOUS WORLDWIDE CLIENTS

✓ UK MANUFACTURED

✓ GLOBALLY INSTALLED

NBM
technology
SOLUTIONS

DATA CENTRE CABINET

PRISM ENCLOSURES SOLUTION

Prism Enclosures Specifically Designed Data Centre Cabinets are the Perfect Solution for Housing High Density IT Systems Safely and Efficiently.

Data cabinets are ideally suited to a wide range of IT, telecommunication, AV, security purposes, but are most often used to house smaller rack server systems in a stable, secure yet easily portable housing.

Because they allow your systems to be housed and moved as a single unit, cabling becomes simple, efficient and tidy, as does swapping or upgrading individual racks or components.

DATA CENTRE CABINET FEATURES

BOLTED ALUMINIUM FRAME CONSTRUCTION

LOCKABLE FRONT DOOR WITH 83% AIRFLOW MESH & THREE POINT LOCKING

WARDROBE STYLE MESH LOCKABLE REAR DOOR WITH 83% AIRFLOW MESH & THREE POINT LOCKING

PAIR OF LOCKABLE SIDE PANELS

4 X 19" VENDOR NEUTRAL ADJUSTABLE (HEAVY DUTY) MOUNTING PROFILES

PAIR OF 19" MID STYLE (HEAVY DUTY) MOUNTING PROFILES

RAISED TOP COVER WITH 3 X CABLE ENTRY POINTS FITTED WITH BRUSH

SET OF HEAVY-DUTY CASTORS

SET OF CABINET FEET

STANDARD COLOUR BLACK

PRODUCT SPECIFICATIONS

DC Data Cabinets for a wide range of IT needs

There are so many different ways to use a data cabinet that we can't list them here. Each use has its own requirements, though. That's why we let you design your own cabinet, with different side, door and accessory options.

ADDITIONAL OPTIONS

SPLIT SLIDING SIDE PANELS

OVERHEAD ROOF CABLING CHANNELS

UPGRADES TO SWIPE LOCKING AND BMS INTEGRATION AVAILABLE

CUSTOM FOOTPRINT SIZES

BESPOKE COLOURS

REPTILE PLINTHS

EZIBLANKS

HOT AISLE CONTAINMENT

PRISM THERMAL CONTAINMENT SOLUTION

"Prism TCS" Hot Aisle Containment Systems can Improve Cooling Efficiency by 40%!

Heat naturally rises. Rather than fighting this universal law of physics, HAC systems embrace it by channelling waste heat from your servers up and into a ceiling void or other overhead CRAC/CRAH system return.

This aesthetically pleasing system can make your cooling efforts not just more efficient but more reliable as well!

Fixed & sliding windows available.

BENEFITS

FAVOURABLE RETURN ON INVESTMENT (ROI)

LOWER CARBON EMISSIONS

IMPROVED POWER USAGE EFFECTIVENESS (PUE)

REDUCED HOT SPOTS

EXTENDED IT EQUIPMENT LIFE

COST SAVING

HOT AISLE CONTAINMENT FEATURES

MANUAL OR AUTOMATED SELF CLOSING DOOR OPTIONS WITH VISION PANELS

3M OR 4M PERSPEX UPSTANDS

RETROFITTABLE TO ANY TYPE AND SIZE OF CABINETS

VENDOR NEUTRAL - FITS ALL MAKES OF CABINETS

DOORS UPGRADE TO ELECTRONIC LOCKING & BMS INTEGRATION AVAILABLE

LOGO ETCHING AVAILABLE

BESPOKE DESIGNS AVAILABLE IN 5-7 DAYS

PRODUCT SPECIFICATIONS

The key to efficiency is preventing cold and hot air mixing

HAC systems channel the hot, dry waste air from your servers directly to your CRAC intake, before it can mix with the cool air delivered to the servers. This makes cooling that air more efficient.

Perfect for raised and slab floor datacentres

One of the great strengths of a Hot Air Containment system is that it does not rely on a floor void of any kind. The cool air from your CRAC/CRAH units can simply be supplied into the room, where it will naturally gravitate to the server intakes near the floor. The hot exhaust air can be vented into a suspended ceiling plenum, or a system of simple ducts.

What that all means for you is a system that can be installed inexpensively in almost any data centre or server room, yet keeps the supply and return airflows rigidly separated. This in turn allows you to run your AC coil at its hottest and most efficient setting, in some cases doubling your actual cooling capacity and reducing energy costs by as much as 38% at the same time!

COLD AISLE CONTAINMENT

PRISM THERMAL CONTAINMENT SOLUTION

"Prism TCS" Cold Aisle Containment System is Modular, Flexible and Easy to Retro-fit

Cold Aisle Containment is all about keeping the hot air generated by your servers separate from the cold air generated by your cooling systems.

In essence, the cold aisles are extensions of your floor void. The waste heat is channelled into the room, and from there to your CRAC/CRAH units. This allows 98% of the CRAC/CRAH units cooling capacity to be channelled directly to your servers.

BENEFITS

| UNIRIVALLED RETURN ON INVESTMENT (ROI) | REDUCED CARBON EMISSIONS | IMPROVED POWER USAGE EFFECTIVENESS (PUE) | REDUCED HOT SPOTS | EXTENDED IT EQUIPMENT LIFE | COST SAVING |

COLD AISLE CONTAINMENT FEATURES

MANUAL OR AUTOMATED SELF CLOSING DOOR OPTIONS WITH VISION PANELS

FIXED, DROP-IN OR SHRINKABLE FM APPROVED ROOF PANEL OPTIONS EASILY REMOVABLE FOR CLEANING

RETROFITTABLE TO ANY MAKE AND SIZE OF CABINETS

VENDOR NEUTRAL - FITS ALL MAKES OF CABINETS

LED LIGHTING OPTIONS AVAILABLE

DOOR UPGRADE TO ELECTRONIC LOCKING & BMS INTEGRATION AVAILABLE

LOGO ETCHING AVAILABLE

PRODUCT SPECIFICATIONS

No More Hot-Spots or Temperature Spikes

Cold Aisle Containment limits thermal differential between the top and bottom racks to only 2 - 3 degrees, optimising server reliability at all rack positions.

Improved Performance AND Lower Energy Costs

Because the Cold Aisle system keeps the cold air flowing from your CRAC/CRAH system separate from the hot air vented from your servers, you get a huge efficiency increase. Over 95% of the cooling power is expended directly where you need it most. The hot air from the room can then be drawn back to the cooling system.

The result is lower, more consistent temperatures for your servers. Typically you'll see no more than a few degrees of difference between the top and bottom racks, and large usage-based temperature fluctuations are all but eliminated. What that really means for you is lower operating costs and more up-time. What more could you need?

PRISM SECURITY CONTAINMENT SOLUTION

As our IT systems become more and more critical to day to day operations, the physical security of these fragile, expensive and easy to manipulate systems becomes an even higher priority. A modular, strong and expandable Security cage for critical systems is the last word in both visual and physical system protection.

CAGE DOOR OPTIONS

CAGE DOORS TYPES:

SLIDING OR HINGED WITH SELF-CLOSING OPTION.

CAGE DOORS LOCKING OPTIONS:

KEY OPERATED, ELECTRONIC, ELECTROMECHANICAL, VARIETY OF EMERGENCY EXIT HARDWARE.

CAGE DOORS SIZES:

FROM 0.6M UP TO 2.8M WIDE.

CAGING FEATURES AND BENEFITS

STRONGER THAN WELDED MESH

ALLOWS AIR TO CIRCULATE FREELY – UP TO 70% FREE AIRSPACE

OPTION FOR THE CAGE PANELS TO BE INSTALLED RAISED OFF THE FLOOR TO ALLOW EASY ACCESS TO THE RAISED FLOOR VOID

ROOF CAN BE ADDED FOR ADDITIONAL SECURITY

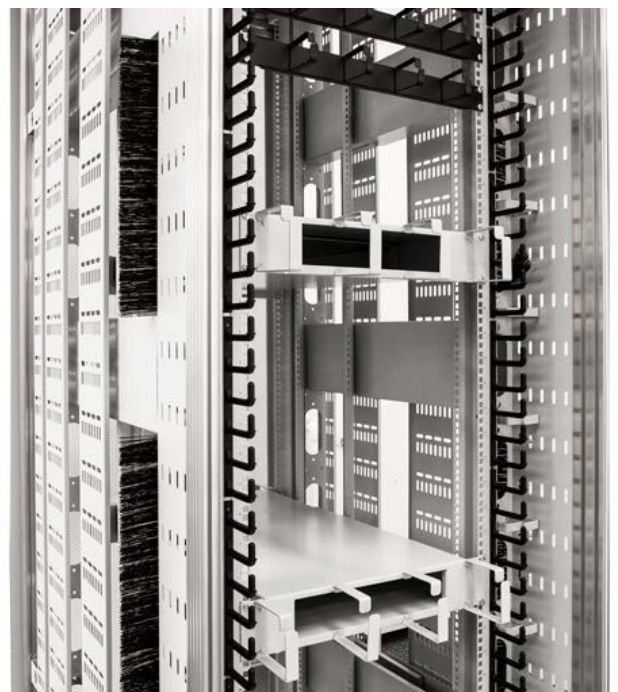UNDER FLOOR AND ABOVE CEILING BARRIERS FOR EXTRA SECURITY

VARIETY OF CAGE PATTERN DESIGNS -12.7MM SQUARE, 19MM SQUARE,33MM SQUARE, 45MM SQUARE, SOLID PANELS. OTHER HOLE TYPES AND SIZES AVAILABLE.

CAGE PANELS STEEL THIKNESS: 1.5MM - 4MM

CAGE HEIGHT: UP TO 9M

CAGE AND DOOR PANELS CAN BE CUSTOMISED WITH CLIENT LOGO

EXTENSIVE CHOISE OF COLOURS AND FINISHES AVAILABLE

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