

*Dedicated server and cabling racks*



## **ELITE Series**

Advanced Data Center Enclosures



## ELITE Series

Designed for scalable growth



**NEMA 12 Protection Rating:**  
Sealed, locking enclosure cabinet protects against dust, dirt, drips and splashes with respect to harmful effects.



**Seismic:**  
Seismic Zone 4 compliant enclosure



**Heat Containment:**  
It is said that 40% of the cool air supplied from air conditioning units in a typical data center is wasted. Our system captures heat exhaust directly from IT equipment to the top rear of the rack enclosure and returns it to the data center's air conditioning units. This virtually eliminates air remixing and stratification.



**Colo:**  
Two compartment co-location rack



### High density ready

Elite series - rack enclosure for advanced storage, cooling, power distribution, cable management and security in data centers and network rooms.

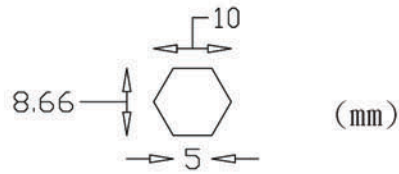
Designed to accommodate today's powerful computing hardware and scalable to cater to emerging high end blade server and equipment technologies that are rapidly appearing - The world and data center environments are changing and a new generation of rack enclosure solutions is born - it is the Elite series.

Model No.		Width		Depth				Height			
				Overall		Effective		Overall		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
25U	EL-6125	600	24	1090	43	940	37	1245	49	1118	44
42U	EL-6142	600	24	1090	43	940	37	1990	78.5	1867	73.5
	EL-6142CL	600	24	1090	43	940	37	1990	78.5	1867	73.5
	EL-6242	600	24	1200	47.25	1067	42	1990	78.5	1867	73.5
	EL-8242	750	29.5	1200	47.25	1067	42	1990	78.5	1867	73.5
	EL-6142SEIS12	600	24	1090	43	940	37	2027	79.8	1892	74.5
	EL-8142	750	29.5	1090	43	940	37	1990	78.5	1867	73.5
	EL-6142SEIS	600	24	1090	43	940	37	1990	78.5	1867	73.5
48U	EL-6148	600	24	1090	43	940	37	2260	89	2134	84
	EL-6148CL	600	24	1090	43	940	37	2260	89	2134	84



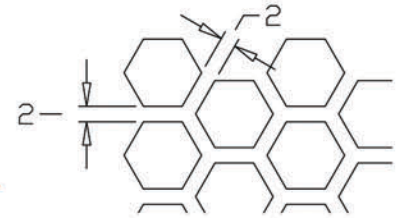
## Critical Advanced Cooling

Elite series provides advanced storage flexibility while ensuring that versatile cooling requirements are fully catered for. Today, more than ever, cooling is a critical concern due to increasing density of high end or blade type servers. A fully populated rack of high end servers puts out approximately 40,000 BTU's or enough thermal energy to heat an average size home. Conventional cooling technologies and traditional style enclosures are no longer sufficient to stand up to this challenge.



### Fully Perforated Door

Door ventilation exceeds 6,528 in<sup>2</sup> (1,058cm<sup>2</sup>). Up to 80% perforated area and pure one up to 60%.



## Creating a Safe Environment

Safety is a key concern for enclosures and data centers environments. The Elite Series provides high end structural stability, tested through sequential loading, to ensure it provides a safe working environment. For ease of installation and transport the Elite series has heavy duty rated castors and is static load rated to 1350 kg.

## Efficient Cable Management

In today's data centers, the use of enclosures not specifically designed for high density equipment applications can lead to unsightly, often incorrectly installed or improperly managed cables - in the worst case this can affect data throughput as well as causing maintenance and thermal problems by blocking proper air flow.



**Heavy duty Framework**  
**1350kg**  
holds 3000lbs load rating.

Heavy duty  
Caster kit  
allows for up  
3000 pounds  
to be carried  
within the  
cabinet.



**Top cable manager:**  
Roof-Mounted Cable Trough



### Environment monitoring:

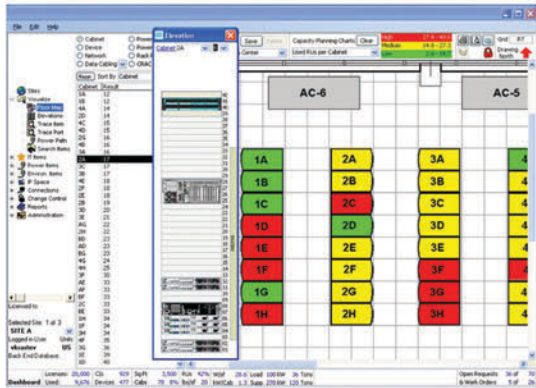
Monitors temperature, humidity, smoke, water, noise, contact-closure and more inputs.



**Heavy Duty Door Hinge**  
Door swings open 150 degrees

## Also available

### Asset management



#### Data Center Infrastructure Management (DCIM Solutions)

Stunning technology exists today to automate monitoring of data center infrastructures and manage assets (DCIM solutions). It provides you with real-time information about your IT, facilities and networks. Manage and optimize your data center planning by Tracing physical and logical relationships between equipment or easily search for and reserve space, power and network connectivity for all IT assets. Sophisticated visualization, analysis and reporting. Very easy to implement, manage and operate, providing a fast ROI.

### Project management and business continuity



At InfraDesigns, our team of highly technical personnel will go the extra mile to offer cost effective solutions while making sure business continuity is beyond expectations from gained experiences in real life and in the real world.

InfraDesigns helps companies with their mission critical environments by offering the best possible solutions, from smaller applications to the largest data centers. We offer only the most reliable, scalable infrastructure technologies and related services available to ensure optimal use of space, technology and equipment in new or updated computer environments.

### Aisle containment



#### Colder IT Equipment using less energy!

Increase efficiency over traditional cooling architecture by 30%. Improved cooling techniques are essential to extend the life of existing data center facilities. It will increase the efficiency of the AC equipment. Warmer and drier return airflow AC equipment will create as much as double the cooling capacity!

### KVM solutions and Remote management



Is your computer environment a complicated landscape of diverse equipment? And your challenge is to keep it up and running, 24/7. Today's technology allows you to monitor, access and control nearly every component you've deployed. Together, they help you increase uptime and security, enhance planning, contain costs and respond quickly to changing business needs



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