Data Center Products



DC IT 40ft ISO Container

Mobile, modular, robust and absolutely reliable

- Fully welded steel container
- Fire protection: EI90, EI60, EI30 (i -> o) according to EN 13501-2 and EN 1363-1
- Dust and water tightness IP 56 according to EN 60529
- Flue gas tightness according to EN 1634-3
- Burglary protection RC 3-4 according to EN 1627/EN1630
- Corrosion protection system for ambient conditions C1 (indoor) to C5 (coastal) according to DIN EN ISO 12944

Close-ups DC IT Container

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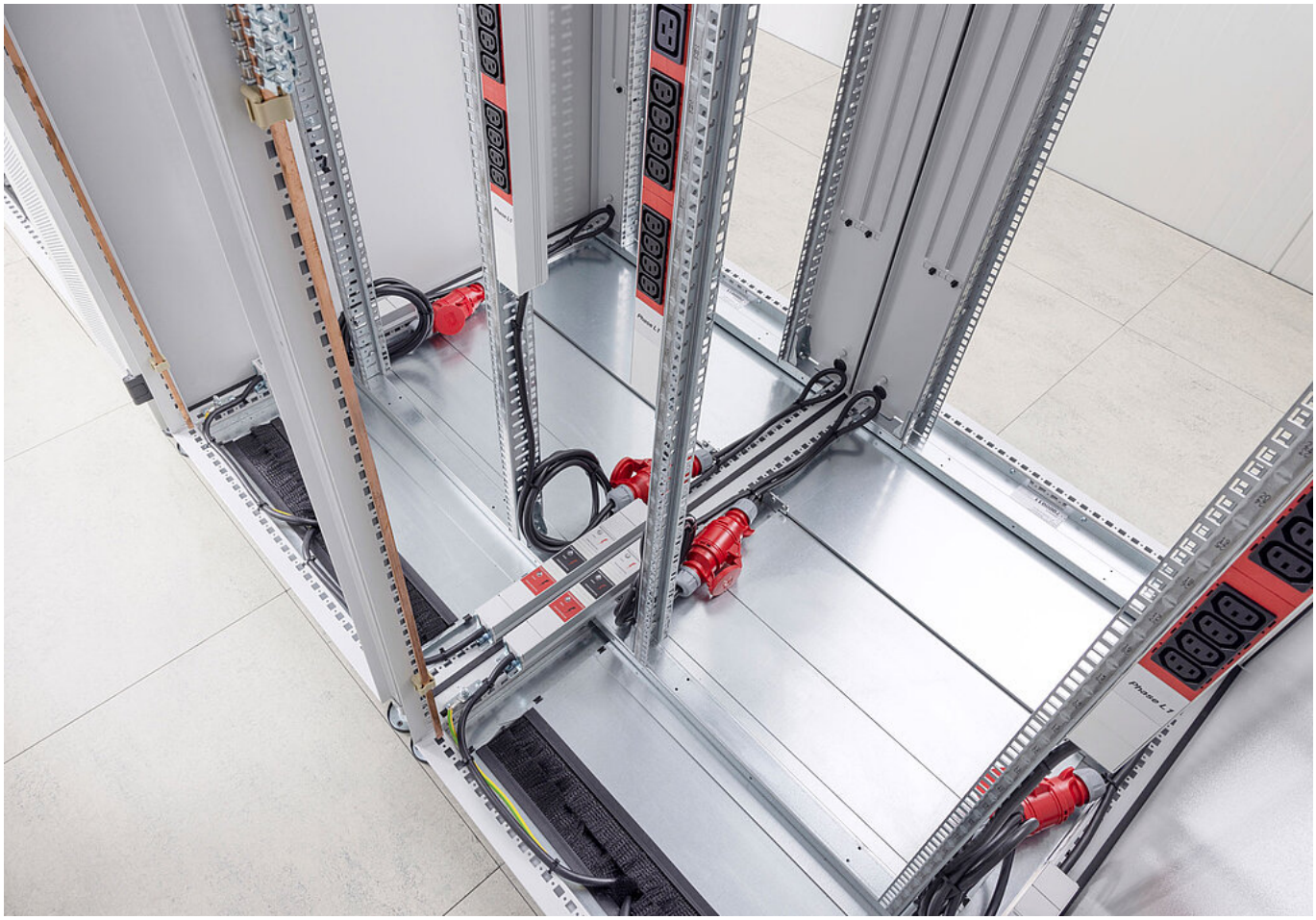
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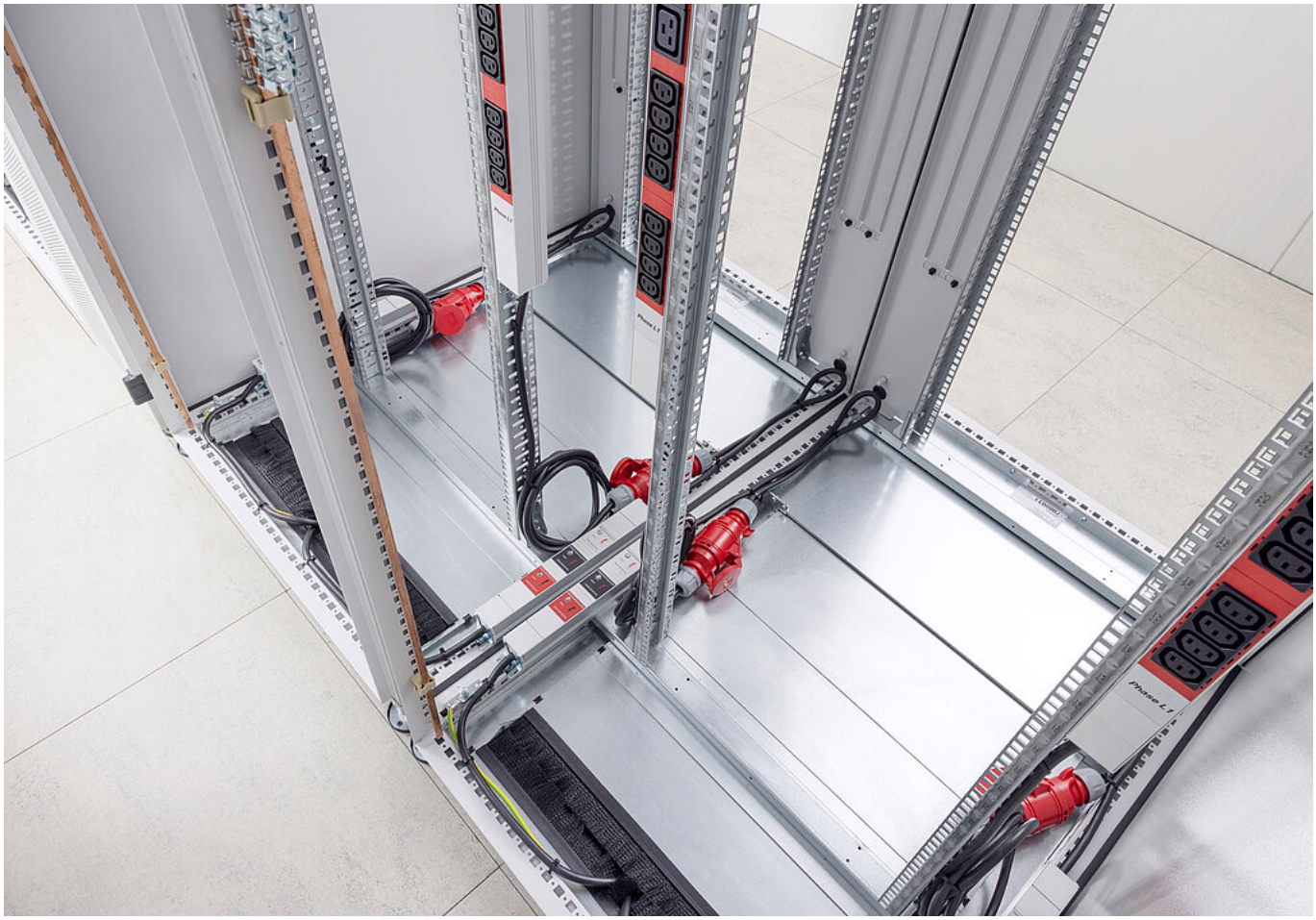
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Protected against physical hazards

Fire protection

Fire protection: EI90, EI60, EI30 (i -> o) according to EN 13501-2 and EN 1363-1

Burglary protection

Protect your IT infrastructure from intrusion or unauthorized third-party access according to EN1627

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Explosion protection

According to EN 13123-2 / 13124-2 - so that your IT remains intact even in the worst case scenario.



Water and dust protection

Water and dust protection according to EN 60529 to protect hardware and data.



Protection from debris load

Should the load-bearing building elements collapse, your IT remains protected.



Protection against vandalism

Protect your IT infrastructure against wanton destruction.



Protection from radiation

Optimal protection against eavesdropping and electromagnetic radiation.



Noise protection

Lower the noise level of your server room.

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Protection against corrosive gases

Prevent corrosive destruction.

Properly equipped for every purpose

The DC IT container has appropriate protection values, which can be designed individually. Inside the container data center are the IT rack systems and the associated technology. Optionally, the container can be equipped with a partition wall inside to create a separation between the server and technical areas. The DC IT Container is designed as a customer-specific all-in-one solution and handed over ready for operation.



Equipment options

- Racks
- Containement
- Cooling
- UPS equipments
- PDU’s (3-phase)
- Power Management
- Early Fire Detection
- Extinguishing system
- Monitoring

Our DC IT Containers in comparison

*Note: The max. possible number of rack systems depends on the size of the rack systems (width: 600mm, 800mm), the further equipment as well as the required cooling of the container! / **Note: Deviating requirements possible on request!

	DC IT Container ISO 20ft HC	DC IT Container ISO 40ft HC	DC IT Container Customized
EQUIPMENT FEATURES			
External dimensions (LxWxH)	6,058 x 2,438 x 2,896 mm	12,192 x 2,438 x 2,896 mm	Individual according to project requirement
Number of rack systems*	Approx. 5-6 (base 600mm wide racks)	Approx. 14-15 (base 600mm wide racks)	Individual according to project requirement

Dissipative flooring or raised floor	x	x	x
Hot or cold aisle containment	x	x	x
Air conditioning with or without redundancy by means of refrigerant, chilled water, indirect free cooling or direct free cooling	x	x	x
Electrical distributions in single-path or two-path (A/B) design	x	x	x
UPS with or without redundancy	x	x	x
Early fire detection and extinguishing system	x	x	x
PROTECTIVE PROPERTIES			
Fire protection**	EI90, EI60, EI30 (i -> o) according to EN 13501-2 and EN 1363-1	EI90, EI60, EI30 (i -> o) according to EN 13501-2 and EN 1363-1	EI90, EI60, EI30 (i -> o) according to EN 13501-2 and EN 1363-1
Burglary protection	RC4 (on request), RC3, RC2 according to EN 1627/EN 1630	RC4 (on request), RC3, RC2 according to EN 1627/EN 1630	RC4 (on request), RC3, RC2 according to EN 1627/EN 1630
Dust and waterproof	IP 56 according to EN60529	IP 56 according to EN60529	IP 56 according to EN60529
Flue gas tightness	According to EN 1634-3	According to EN 1634-3	According to EN 1634-3
Corrosion protection system	Corrosivity category C1 (indoor) - C5 (coastal)	Corrosivity category C1 (indoor) - C5 (coastal)	Corrosivity category C1 (indoor) - C5 (coastal)

Climatic conditions**	Outdoor temperatures from approx. -20°C / -4°F to approx. +40°C / +104°F	Outdoor temperatures from approx. -20°C / -4°F to approx. +40°C / +104°F	Outdoor temperatures from approx. -20°C / -4°F to approx. +40°C / +104°F
Soil load**	500 kg/m²	500 kg/m²	500 kg/m²
Roof load**	150 kg/m²	150 kg/m²	150 kg/m²
Wind load**	Base wind speed vb,0= 20,0 ma-1	Base wind speed vb,0= 20,0 ma-1	Base wind speed vb,0= 20,0 ma-1

You can find more information here:
https://datacenter-group.com/en/products/dc-it-container/dc-it-40ft-iso-container/

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