

SHIELDCAB™ CABINETS

EMC SHIELDED CABINETS

EMC-shielded cabinets are a robust solution for housing critical equipment, providing electromagnetic interference shielding effects as well as weather protection against both water and dust.

They are designed to meet the stringent EMC regulations, ensuring reliable, uninterrupted operation of electronic equipment without causing or being affected by electromagnetic interference.

The SHIELDCAB™ DK - series EMC cabinets have been tested by independent third party testing lab to verify their shielding properties following IEC 61000-5-7 standard.^



KEY FEATURES :

- Shielding against EMI and RF interference.
- Offer a good level of shielding across a broad frequency range.
- Enclosure is made from aluminium zinc coating of sheet steel with conductive sealing edges, and the interior surfaces are paint-free.
- Cabinet doors are connected and sealed by electrically conductive sealing gasket and fingerstock which leads to excellent attenuation levels.
- Entire earthing design ensures optimum potential equalization within EMC cabinet.
- Special dust and water-resistant design make DK - series EMC cabinets ideal for both indoor and outdoor use.
- EMC ventilation fans and EMC cable glands may additionally be installed in the cabinet as required (but that will affect the EMI shielding and IP performances).
- Base frame can be tailor-made designed to provide additional levelling base support for raised floor installation.

^ Please contact our sales team for the shielding test report for the EMC cabinet.

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SPECIFICATIONS

Main Material	Steel	
CabinetDimensions ^①	Width (mm)	600, 800 or customized
	Depth (mm)	800, 1000 or customized
	Available Rack Unit	37U, 42U, 45U or customized
Loading Capacity (kg)	Max.1500KG	
IP Ratings	IP65 (without fan)	
	IP55 (with fans AC 220V/50Hz)	
Unimpeded Airflow ^②	IP55: 770 m³/h per fan with louver	
	Size: L320 * W320 * D157mm	
Airflow rate in comb. with exhaust filter ^②	IP55: 490 m³/h per set of fan with inlet and exhaust louvers	
Current consumption	IP55 / 0.53A per fan	
Power consumption	IP55 / 120W per fan	
Outer Surface Coating & Color	Powder Coating, Black or White	
Compliance	RoHS, IEC 60529 (IP ratings), IEC 61000-5-7(EMC)	
	IEC60297-3-100 / EIA- 310-E (mechanical structures)	
Other Accessories (Optional)	Supporting Base Frame	
	Base Plate	
	L-Brackets	
	Fixed Shelves	
	External hood ^③	

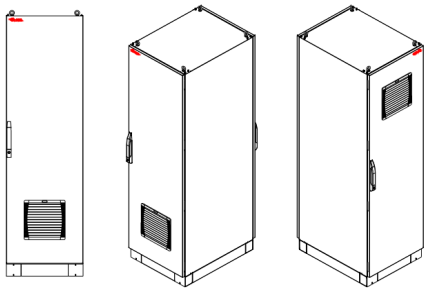
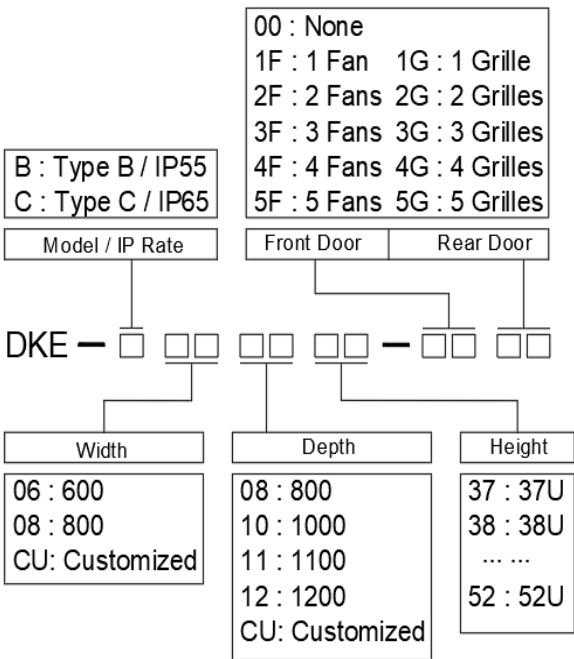
Note :

- ① For cabinet with non-standard width, depth or height, please contact our sales team for customized accessories or solutions.
- ② Based on specifications of individual fan unit and in-house test results.
- ③ An external hood, which is in combination with filter fans, prevents jet water or heavy rain from entering an enclosure.

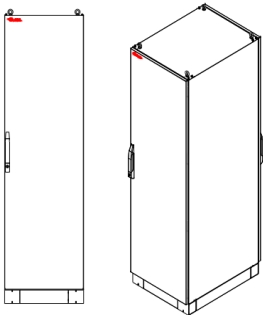
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PRODUCT INFORMATION



Type B (IP55)



Type C (IP65)

Example : DKE-B061247-2G2F

Mean : DK-series EMC cabinet, Type B / IP55 , W600 x D1200 x H47U, 2 X Front door grilles, 2 X Rear door fans