

TopTherm fan-and-filter unit

TopTherm fan-and-filter unit EMC

- For improved EMC shielding/attenuation
- Resilient copper-nickel-chrome coating of the filter housing **and** the filter mat
- Same filter class as standard filters
- Matted non-woven fabric with progressive structure and copper-nickel-chrome coating

Important: Shielding/attenuation is only guaranteed when an original EMC filter mat is used!

Applicable test standard:

EN 61 587-3: 2006

Electromagnetic shielding performance tests for cabinets, racks and subracks.

This part of EN 61 587 specifies the tests for empty enclosures and subracks in the frequency range from 30 MHz to 2000 MHz.

The purpose of this standard is to ensure the physical integrity and environmental performance of enclosures, taking into account the need for different levels of performance in different applications.



Attenuation levels EN 61 587-3:2006

Performance level	Minimum shielding performance		
	Frequency range 30 MHz to 230 MHz	Frequency range 230 MHz to 1000 MHz	Frequency range 1000 MHz to 2000 MHz
1	20 dB	10 dB	0
2	40 dB	30 dB	20 dB
3	60 dB	50 dB	40 dB

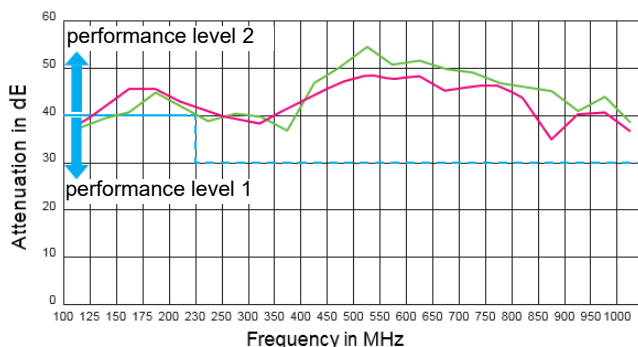
Electromagnetic shielding acc. to IEC 61000-5-7

Performance level 1 for EM code: EMxxx210x

Performance level 2 for EM code: EMxxx430x

Performance level 3 for EM code: EMxxx650x

Shielding/attenuation diagram (acc. to EN 61 587)



— Rittal: Horizontal attenuation

— Rittal: Vertical attenuation

- - - Performance level limits to EN 61587