What is a soundproof Server Rack ?

A soundproof 19" rack mount cabinet known as a "silent **Server Rack**" has been created to reduce IT equipment noise from devices like servers and switches. They enable consistent airflow to keep installed equipment's temperature steady and safe to use.

Although the phrases "soundproof" can show complete noise cancellation, this is not the case with a quiet rack. It is impossible to seal and hence engineer a silent rack because of the requirement for cable access and airflow.

A well-made quiet cabinet will successfully lower noise levels while providing the equipment it houses with adequate cooling and cable access.

Why Netrack for soundproof server racks?

Many studies have showed that background noise in an office setting has a variety of negative impacts, including work-related stress, impaired concentration, and even a higher chance of accidents. This is not a novel concept. After all, how many times have you had to pause and wonder what that noise is? We can all relate to this issue, even if the noise wasn't originating from the server equipment.

So, how exactly can a soundproof server benefit your business?

  1. They're less expensive than a server-dedicated room

The AcoustiRack ACTIVE (ARATM) is a soundproof cabinet that offers 19-inch servers and networking equipment unparalleled noise reduction up to 30 dB (A), 8 KW of heat dissipation, and dust protection. The ARATM offers previously unachievable spatial noise reduction over the whole frequency range of the audible spectrum when paired with special, high-quality acoustic materials.

The biggest problem that data centres are currently facing is extreme energy consumption. Companies can avoid paying expensive energy costs to hyper-cool dedicated server rooms in order to prevent equipment burnout by using the ARATM. The many physical and

psychological problems that come with exposure to chronic noise pollution are no longer a concern for workers.

It is available in 1200 Depth Configurations and 600 with Configurations in 32RU and 42RU Variants. There will be a certain amount of room needed on your property for your **Server Rack** equipment. While a complete build-out for a server room has advantages, it is also a very expensive project. A more economical option that also enables localization of equipment by enabling storage close to the ideal location is to choose acoustic rack solutions.

2. Temperature regulation

As we all know, server hardware generates a lot of heat and needs to be kept cool. Using soundproof rack technology, which is one of the finest ways to control the temperature of your server equipment, is like hitting two birds with one stone. It is simpler to regulate the temperature of a smaller volume than a bigger one (a rack as opposed to a room), using less energy will save operational costs.

3. Environmental impact

Nowadays, a lot of companies are making great efforts to lessen their environmental impact and carbon footprint. By using less energy, these technologies enable you to lower operational costs while also having a smaller negative impact on the environment.

4. Scalability

The ability to scale your IT environment with the growth of your business has been one of the key topics we have covered since our founding. In the short timeframes that frequently accompany the rapid pace of technological advancement, new racks are simple to deploy and can be ready for use.