

Fan Coil Cabinet Desing - 20ga Vs 18ga

We were recently asked to comment on a specification requirement for an 18ga cabinet on a concealed vertical stacked fan coil.

Temspec' s 300-1200 CFM V-stack fan coils are manufactured using 20ga galvanized sheet metal to meet 4 design fundamentals:

- 1/ Support the internal components like the fan, coil, controls, drain pan etc
- 2/ Meet the maximum wall deflection at design airflow and static pressure
- 3/ Meet a rigidity standard to prevent denting and deformation during shipping handling and installation
- 4/ Meet the radiated sound measurements to achieve acceptable acoustic performance and exceed customer sound expectations

Temspec' s philosophy is to design with the highest efficiency, highest reliability, and the highest durability, all at the lowest cost, and lowest embodied carbon

Our 20GA cabinet minimizes material cost, shipping cost, installation cost, and minimizes the associated CO2e emissions with each of these steps

