

Rhoss Keeps air flowing



The client

Rhoss is an Italian specialist in air conditioning and air handling products and systems. For over 40 years, it has been synonymous with quality, innovation and top level service. In a recent project, where high inrush currents caused problems to the scroll compressors used to compress air, Rhoss contacted ABB for a more sustainable motor starting solution.

The challenge

Many HVAC (Heating Ventilation and Air-Conditioning) projects use scroll compressors which require short starting times. In combination with customers requiring low starting currents, this proved a challenge for Rhoss. Other challenges are high temperatures and small spaces. Italian Rhoss had experienced all of the above in previous projects and sought a solution. They needed just one single product that could handle all these challenges. ABB had an answer.

The ABB solution

Rhoss implemented ABB's softstarters in its starting equipment and were soon aware of the concept's many benefits. An integrated bypass meant the starting solution took up less space which also meant Rhoss could spend more of the space on controlling the high temperatures. The biggest benefit of all though is that the softstarter reduced the inrush currents of the scroll compressors by 60 percent while still maintaining the short starting time that this sort of application needs. The lowered starting currents mean less stress is put both on motor and compressor, reducing the need of maintenance and repairs.

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