

Product - Press Release

RSBT 3-PHASE SCROLL COMPRESSOR SOFTSTARTER: FROM CARLO GAVAZZI, THE NEW COMPACT SOLUTION TO OPTIMIZE CURRENT REDUCTION.

RSBT reduces current inrush up to 65% without any external setting.

Lainate, November 2009 – **Carlo Gavazzi Automation** - the international electronics Group with activities in designing, manufacturing and marketing of electronic equipment, presents the new RSBT: a 3-phase soft-starting solution for scroll compressors, mainly used in heat pumps, that the European Commission mentioned in a recent Directive promoting a 20% use of Renewable Energy Sources by 2020.

In fact, heat pumps are one of the most cost-effective technologies to replace fossil-fueled heating equipment. According to the International Energy Agency BLUE Map Scenario, heat pumps could contribute for 80% to total emission reductions needed by 2015.

“The launch of the new RSBT allows us to strengthen our position in the HVAC market, providing a compact solution that limits the typically high starting current of scroll compressors. Energy efficiency, mainly in residential contexts, is a hot topic, due to growing consumer environmental awareness and to higher tariffs: with RSBT, we make heat pumps still more efficient, maximizing current reduction at every compressor start thanks to an innovative auto-adaptive algorithm (patent pending)”, Jason Demicoli - International Product Manager - notices.

Developed by Carlo Gavazzi engineering team in Malta, the RSBT is equipped with an innovative auto-adaptive algorithm, that reduces energy consumption each time compressor starts, by self adjusting appropriate parameters. In this way, it limits current inrush up to 65%, compared to DOL starting.

RSBT is compliant with Class B (residential) requirements for emissions, does not need any external settings and is provided with a very compact housing (45 mm).

Main technical features

- Auto-adaptive algorithm for optimum current. No front panel settings needed.
- Current inrush reduction up to 65%
- 3-phase controlled, internally bypassed
- Compliant to EMC Class B (residential) requirements
- Extremely compact dimensions (45mm housing)
- Softstarting of 3-phase compressors up to 1.5kW at 400V
- Up to 32A maximum continuous current (AC-53b)
- For 3-phase compressors rated 220, 400VACrms
- Integrated Phase Sequence, Phase Imbalance Monitoring
- Internal over-temperature protection
- CE marking, UL & cUL Listed

ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi Automation is an international electronics group with activities in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.

Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 21 National Sales Companies in Europe, North America, Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

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