

FOR IMMEDIATE RELEASE

## Three-Phase HVAC Compressor Softstarters



*March 3, 2010 - Mississauga, ON* - Carlo Gavazzi Automation, the international electronic automations group with activities in the design, manufacturing and marketing of electronic equipment, has recently launched the **RSBT Series**, which is a 3-phase soft-starting solution which optimizes current reduction for HVAC (scroll) compressors, mainly used in heat pumps. 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 up to 80% of total emission reductions targeted by 2015.

The **RSBT Series** is equipped with an innovative auto-adaptive algorithm (patent pending), which reduces energy consumption each time compressor starts, by self-adjusting appropriate parameters. In this way, it limits current inrush up to 65%, compared to direct-on-line (DOL) starting. The **RSBT Series** 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). It also provides phase sequence and imbalance protection.

The launch of the new **RSBT Series** strengthens Carlo Gavazzi's position in the HVAC Industry, providing a compact solution that limits the typically high starting current of scroll compressors. Energy efficiency, mainly in residential contexts, continues to be a hot topic, due to growing consumer environmental awareness and to higher tariffs. With the **RSBT Series**, heat pumps become even more efficient and current reduction is maximized with every compressor start, thanks to an innovative auto-adaptive algorithm. Some of the main features of the **RSBT Series** include:

- Auto-adaptive algorithm for optimum current, with no front panel settings required
- Current inrush reduction up to 65%
- 3-phase controlled, internally bypassed
- Compliant to EMC Class B (residential) norms
- Extremely compact dimensions (45mm housing)
- Softstarting of 3-phase compressors up to 15Hp
- Up to 32A maximum continuous current
- For 3-phase compressors rated 220 / 400VACrms
- Integrated phase sequence/imbalance monitoring
- Internal over-temperature protection
- Optional external EMC/RFI filter
- Optional external auxiliary relay alarm output
- UL and cUL listed and CE marked

[Available in North America from:](#)