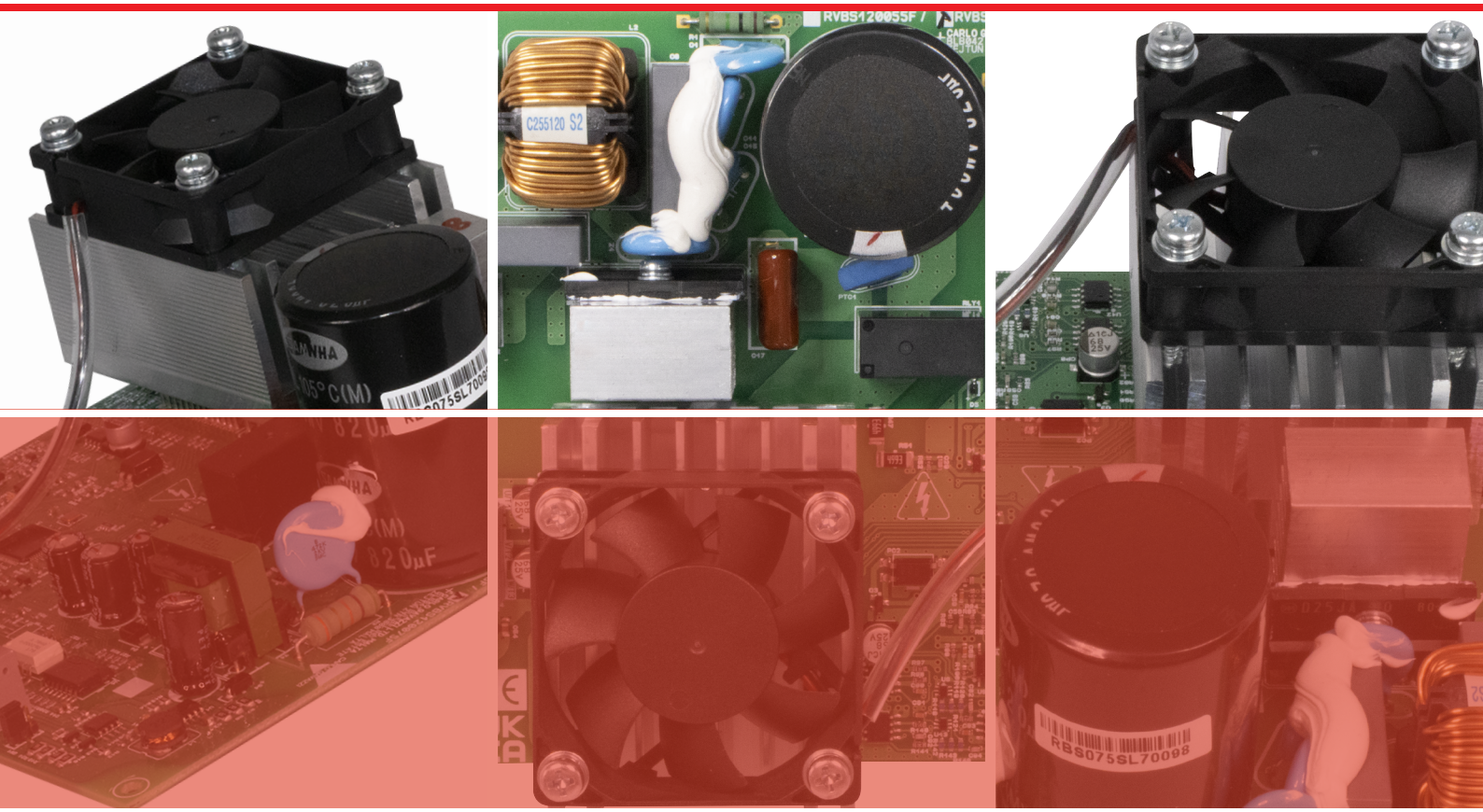
CARLO GAVAZZI
Automation Components

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RVBS: Single-phase variable frequency drive

Switches

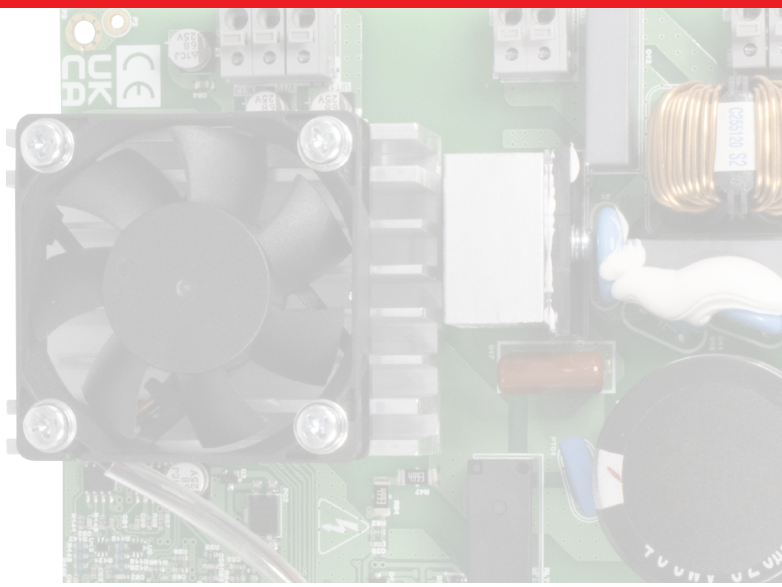
RVBS

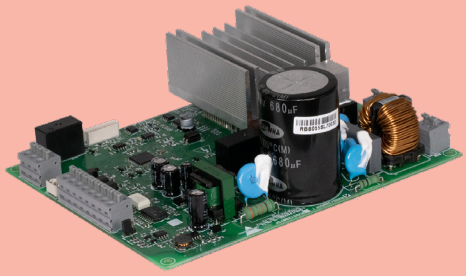
Single-phase variable frequency drive

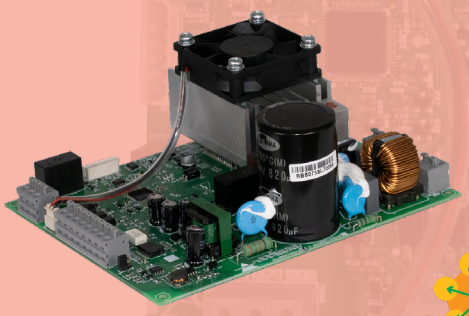
Carlo Gavazzi RVBS drives for general purpose usage, are designed for induction motors (IM) to meet a wide variety of different application requirements for both industrial and residential environments.

The most common challenges for variable frequency drives are: space and cost. With RVBS we designed a cost-effective solution in a very compact platform to address the market's needs.

Even though it's a very compact product, RVBS integrates numerous features, yet an easy-to-use interface allowing the drive to handle various applications (Conveyors, Heat pumps, Fans...).







Modbus

Variable frequency drives for general purpose usage

Easy configuration
RVBS requires fewer configuration parameters for a shorter setup time

Real-time monitoring
RVBS comes with a Modbus RTU interface that enables the user a real time monitoring of the product

Time saving
Use of push-in connectors for a faster and more reliable installation

Remote control
To facilitate commissiossning activity, a remote keypad is available for configuration of RVBS

Space saving
A very compact PCB allowing RVBS to fit in electrical panels with limited spaces

CE

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Applications

Heat pumps

High energy savings are possible heat pumps through variable frequency drives since they provide a stepless speed control of compressors according to the load demand.

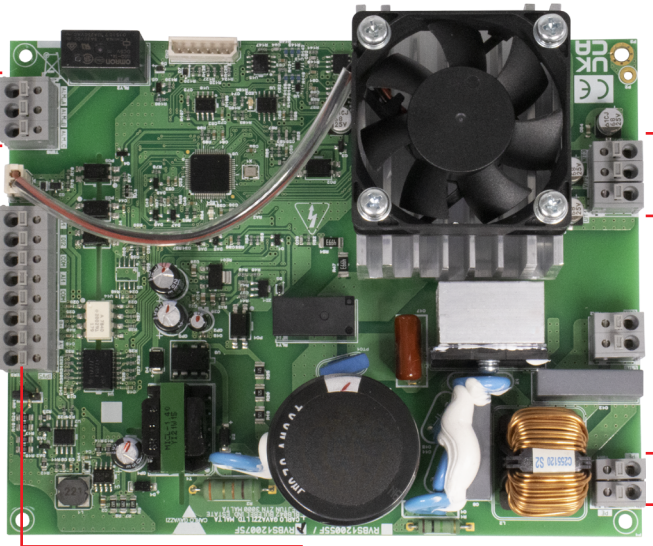
With RVBS we provide a very compact solution that can fit in HVAC units with limited space.

The product comes in 2 power rating models (0.55 kW and 0.75 kW), to control induction motor compressors through a limited set of configuration parameters.

Compressor speed can be varied either via communication through the Modbus port or via the analog (0 - 10 V) input to adapt to any heat pump controller.



Main features



Relay output:
Alarm relay

2 Programmable digital inputs for Start /Stop

Analog input (0 - 10 V)

Motor load

Push-in connectors for an easy installation

Configuration port (Modbus RTU over RS485) for real-time monitoring of the VFD



Remote keypad

The keypad allows you to:

- Run and stop the motor
- Display various data
- Configure function code data
- Monitor I/O signal states, maintenance information and alarm information

Selection guide

AC supply	Rated output power	Rated output current @ 40°C	Cooling method	Ordering code
1 - phase (230 VAC)	0.55 kW	2.7 Arms	Heatsink	**RVBS120055F**
				RVBS120055FX10 (10 pieces per box)
	0.75 kW	5 Arms	Heatsink with fan	**RVBS120075F**
				RVBS120075FX10 (10 pieces per box)

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