

**RVBS: Single-phase variable frequency drive**

**Switches**

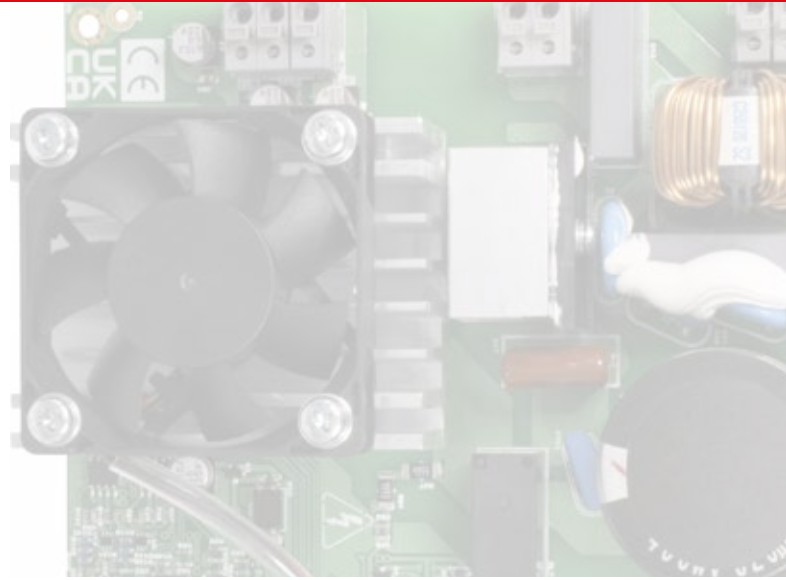
# RVBS

## 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...).



## 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 commissioning 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



## 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.

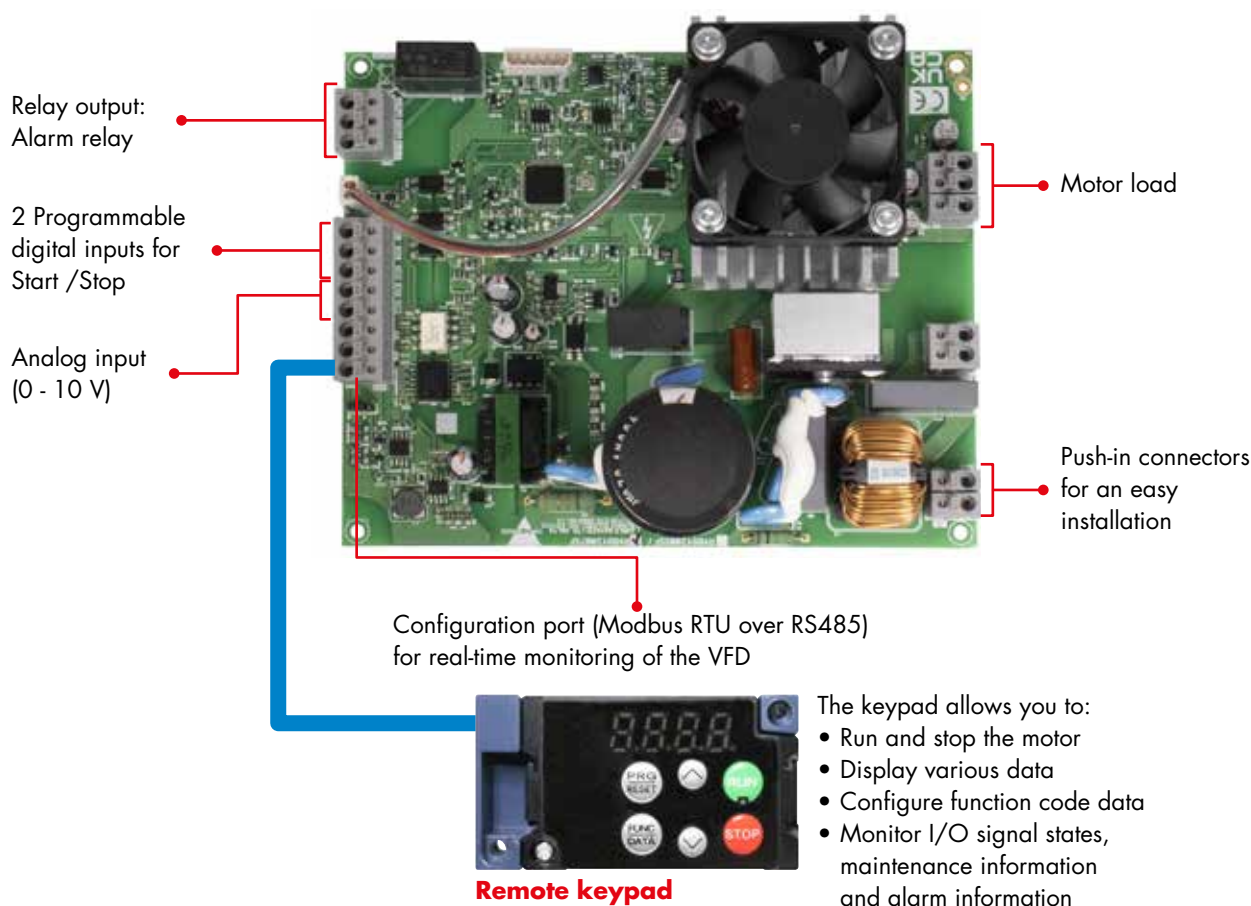
With RVBS we provide a very compact solution that can fit in HVAC units with limited space.

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



## 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)

## OUR SALES NETWORK IN EUROPE

### AUSTRIA

Carlo Gavazzi GmbH  
Ketzerergasse 374,  
A-1230 Wien  
Tel: +43 1 888 4112  
Fax: +43 1 889 1053  
office@carlogavazzi.at

### BELGIUM

Carlo Gavazzi NV/SA  
Mechelsesteenweg 311,  
B-1800 Vilvoorde  
Tel: +32 2 257 41 20  
sales@carlogavazzi.be

### DENMARK

Carlo Gavazzi Handel A/S  
Over Hadstensevej 40,  
DK-8370 Hadsten  
Tel: +45 89 60 61 00  
Fax: +45 86 98 15 30  
handel@gavazzi.dk

### FINLAND

Carlo Gavazzi OY AB  
Ahventie, 4 B  
FI-02170 Espoo  
Tel: +358 9 756 2000  
myynti@gavazzi.fi

### FRANCE

Carlo Gavazzi Sarl  
Zac de Paris Nord II, 69, rue de la Belle Etoile,  
F-95956 Roissy CDG Cedex  
Tel: +33 1 49 38 98 60  
Fax: +33 1 48 63 27 43  
french.team@carlogavazzi.fr

### GERMANY

Carlo Gavazzi GmbH  
Pfnorstr. 10-14  
D-64293 Darmstadt  
Tel: +49 6151 81 00 0  
Fax: +49 6151 81 00 40  
info@gavazzi.de

### GREAT BRITAIN

Carlo Gavazzi UK Ltd  
4.4 Frimley Business Park,  
Frimley, Camberley, Surrey GU16 7SG  
Tel: +44 1 276 854110  
Fax: +44 1 276 682140  
sales@carlogavazzi.co.uk

### ITALY

Carlo Gavazzi SpA  
Via Milano, 13,  
I-20045 Lainate  
Tel: +39 02 931 76 1  
Fax: +39 02 931 76 301  
info@gavazziacbu.it

### NETHERLANDS

Carlo Gavazzi BV  
Wijkermeerweg 23,  
NL-1948 NT Beverwijk  
Tel: +31 251 22 93 45  
Fax: +31 251 22 60 55  
info@carlogavazzi.nl

### NORWAY

Carlo Gavazzi AS  
Melkeveien 13,  
N-3919 Parsgrunn  
Tel: +47 35 93 08 00  
Fax: +47 35 93 08 01  
post@gavazzi.no

### PORTUGAL

Carlo Gavazzi Lda  
Rua dos Jerónimos 38-B,  
P-1400-212 Lisboa  
Tel: +351 21 361 70 60  
Fax: +351 21 362 13 73  
carlogavazzi@carlogavazzi.pt

### SPAIN

Carlo Gavazzi SA  
Avda. Iparraguirre, 80-82,  
E-48940 Leioa (Bizkaia)  
Tel: +34 94 480 40 37  
Fax: +34 94 431 60 81  
gavazzi@gavazzi.es

### SWEDEN

Carlo Gavazzi AB  
V:a Kyrkogatan 1,  
S-652 24 Karlstad  
Tel: +46 54 85 11 25  
Fax: +46 54 85 11 77  
info@carlogavazzi.se

### SWITZERLAND

Carlo Gavazzi AG  
Verkauf Schweiz/Vente Suisse  
Sumpfstrasse 3,  
CH-6312 Steinhausen  
Tel: +41 41 747 45 35  
Fax: +41 41 740 45 40  
info@carlogavazzi.ch

## OUR SALES NETWORK IN THE AMERICAS

### USA

Carlo Gavazzi Inc.  
750 Hastings Lane,  
Buffalo Grove, IL 60089-6904, USA  
Tel: +1 847 465 61 00  
Fax: +1 847 465 73 73  
sales@carlogavazzi.com

### CANADA

Carlo Gavazzi Inc.  
2660 Meadowvale Boulevard,  
Mississauga, ON L5N 6M6, Canada  
Tel: +1 905 542 0979  
Fax: +1 905 542 2248  
gavazzi@carlogavazzi.com

### MEXICO

Carlo Gavazzi Mexico S.A. de C.V.  
Circuito Puericultores 22, Ciudad Satelite  
Naucalpan de Juárez, Edo Mex. CP 53100  
Mexico  
T +52 55 5373 7042  
F +52 55 5373 7042  
mexicosales@carlogavazzi.com

### BRAZIL

Carlo Gavazzi Automação Ltda.  
Av. Francisco Matarazzo, 1752  
Conj 2108 05001-200 - São Paulo - SP  
Tel: +55 11 3052 0832  
Fax: +55 11 3057 1753  
info@carlogavazzi.com.br

## OUR SALES NETWORK IN ASIA AND PACIFIC

### SINGAPORE

Carlo Gavazzi Automation Singapore Pte. Ltd.  
61 Tai Seng Avenue #05-06  
Print Media Hub @ Paya Lebar iPark  
Singapore 534167  
Tel: +65 67 466 990  
Fax: +65 67 461 980  
info@carlogavazzi.com.sg

### MALAYSIA

Carlo Gavazzi Automation (M) SDN. BHD.  
D12-06-G, Block D12,  
Pusat Perdagangan Dana 1,  
Jalan PJU 1A/46, 47301 - Petaling Jaya,  
Selangor, Malaysia  
Tel: +60 3 7842 7299  
Fax: +60 3 7842 7399  
info@gavazzi-asia.com

### CHINA

Carlo Gavazzi Automation  
(China) Co. Ltd.  
Unit 2308, 23/F.,  
News Building, Block 1, 1002  
Middle Shennan Zhong Road, Futian District,  
Shenzhen, China  
Tel: +86 755 8369 9500  
Fax: +86 755 8369 9300  
sales@carlogavazzi.cn

### HONG KONG

Carlo Gavazzi Automation  
Hong Kong Ltd.  
Unit No. 16 on 25<sup>th</sup> Floor, One Midtown,  
No. 11 Hoi Shing Road, Tsuen Wan,  
New Territories, Hong Kong  
Tel: +852 26261332 / 26261333  
Fax: +852 26261316

### TAIWAN

Branch of Carlo Gavazzi Automation  
Singapore Pte. Ltd.  
12F-3, No. 530, Yingcai Rd.,  
West Dist., Taichung City 403518,  
Taiwan, China  
Tel: +886 4 2258 4001  
Fax: +886 4 2258 4002

## OUR COMPETENCE CENTRES AND PRODUCTION SITES

### DENMARK

Carlo Gavazzi Industri A/S  
Hadsten

### MALTA

Carlo Gavazzi Ltd  
Zejtun

### ITALY

Carlo Gavazzi Controls SpA  
Belluno

### LITHUANIA

Uab Carlo Gavazzi Industri Kaunas  
Kaunas

### CHINA

Carlo Gavazzi Automation (Kunshan) Co., Ltd.  
Kunshan

## HEADQUARTERS

Carlo Gavazzi Automation SpA  
Via Milano, 13  
I-20045 - Lainate (MI) - ITALY  
Tel: +39 02 931 76 1  
info@gavazziautomation.com

*Energy to Components!*

www.gavazziautomation.com