

Technical Bulletin (TB-0065-02) VARISPEED BEST DOWNLOAD

Version 2, May 2019

GENERAL OVERVIEW

- This VARISPEED features a fully enclosed inverter (1) which is mounted and wired to a reciprocating compressor (2). The compressor suction gas keeps the inverter cool using a common surface (3).
- 2. Power from the inverter to the compressor is a sinusoidal DC voltage and may not be accurately measured with a standard multi-meter. A True-RMS meter or the BEST tool must be used.
- 3. The BITZER ELECTRONIC SERVICE TOOL (BEST) converter allows easy access to the main data and parameters required to service a VARISPEED.



BEST converter



Download and Open the Software

Visit https://www.bitzer.de/us/us/ then go to PRODUCTS, SOFTWARE, BEST SOFTWARE and install.

1. Click on the "New" icon to get started



2. Select the product that is to be connected



3. Continue to follow the prompts to find the appropriate device models. If model number does not match BEST list, selected any model with the same inverter (i.e., F3).

New project	*	New project _ 🗆 X	New project	_ 🗆 X
Compressor family	Compressor		Device	
Standard	2DES-3.F1Y		втумазо	
VARISPEED in ECOSTAR units	4FE-5.F1Y			
CO2 Compressors: Transcritical	4EE-6.F1Y	L		
	4DE-5.F1Y			
	4DE-7.F3Y			
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	Product + VARISPEED + Standard		Product + VARISPEED + Standard + 4DE-7.F3Y + BTVMA30	
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Main Phone: BITZER U.S.: 770-503-9226 BITZER Canada: 514-697-3363 BITZER Mexico: +52 (81)1522 4500	Web: www.bitzerus.com www.bitzer.ca www.bitzermexico.com	Email: sales@bitzerus.com sales@bitzer.ca ventas@bitzermexico.com	Additional BITZER U.S. Co techsupport@bitzerus.com customerservice@bitzerus.con 24 Hour Quickship Hotline: (88	ontact Info: n 8) 462-4893

Connect the Software to Varispeed

- 1. Make sure the inverter is supplied with the necessary power (460V). Compressor does not need to be running.
- 2. Connect the

Varispeed to a laptop using the BEST tool.



3. Then click on the "Connect" icon in the toolbar.



View the Alarms

- 1. Go to the "Alarms" screen.
- 2. The Alarm screen stores the last 10 fault codes. For more information, select the 🎱 icon.

22		(VARISPEED,Standard,4NE-20.F4Y,BTVMA	
New Open	Save Settings Disconnect Reset		
â Overview	Alarms		121
	Code Description		
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	41 Overtemperature (IGBT sensor 1)	0	

Downloading and Saving Data files

- 1. Select the "Save" icon
- 2. Select a file location and change the name of the file if preferred.
- 3. The file extension is ".bpd" and can only be read using the BEST Software

37				Save BEST project							88
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4. The saved .bpd file can be sent to <u>techsupport@bitzerus.com</u> for review.