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LCP102

Generic FC302/301 Inverter LCD Operation Panel LCP102 User Manual

Model: LCP102 | Order Number: 130B1107

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of the Generic LCP102 LCD Operation Panel, designed for use with FC302/301 series inverters. Please read this manual thoroughly before using the product to ensure correct operation and to prevent damage.

2. Product Overview

The LCP102 is a user-friendly LCD control panel that allows for monitoring and configuration of compatible inverters. It features a clear display and intuitive button layout for easy navigation and control.

2.1 Front Panel Layout

Figure 1: Front view of the LCP102 LCD Operation Panel. This image displays the LCD screen, navigation buttons (OK, directional arrows, Back, Cancel, Info), and function buttons (Status, Quick Menu, Main Menu, Alarm Log, On, Warn., Alarm, Hand On, Off, Auto On, Reset).

2.2 Rear Panel and Connections

Figure 2: Rear view of the LCP102 LCD Operation Panel. This image shows the multi-pin connector for inverter communication and the product label. The label indicates "Control Panel LCP 102", "Ordering no. 130B1107", "Type 4K / IP66", "Elec. Rating 5V 120mA", "Temp. 50°C / 122°F", and "SW. Ver 1.3". A barcode with the number 130B4691355734V495 and another with 13066469135573486495 are also visible.

3. Setup and Installation

Follow these steps to properly install the LCP102 operation panel with your compatible FC302/301 inverter.

1. **Mounting:** Securely attach the LCP102 panel to the designated mounting location on your inverter or control cabinet. Ensure proper ventilation if mounting in an enclosed space.
2. **Connection:** Connect the panel's multi-pin connector (visible on the rear panel) to the corresponding port on your FC302/301 inverter. Ensure the connection is firm and secure.
3. **Power On:** Once connected, power on the inverter. The LCP102 panel should initialize and display the default screen.
4. **Initial Configuration:** Refer to your inverter's main manual for any specific initial parameter settings or configurations required for the LCP102.

Note: *Always ensure the inverter is powered off before connecting or disconnecting the LCP102 panel to prevent electrical damage.*

4. Operating Instructions

The LCP102 panel provides intuitive control over your inverter. Familiarize yourself with the button functions:

- **Navigation Buttons:**
  - **OK:** Confirms selections or enters sub-menus.
  - **Directional Arrows (Up, Down, Left, Right):** Navigate through menus, adjust values, or move between parameters.
  - **Back:** Returns to the previous menu or screen.
  - **Cancel:** Cancels an operation or exits a menu without saving changes.
  - **Info:** Displays contextual information or help for the currently selected item.
- **Function Buttons:**
  - **Status:** Displays current operational status and key parameters of the inverter.
  - **Quick Menu:** Provides quick access to frequently used parameters or functions.
  - **Main Menu:** Accesses the primary menu structure for comprehensive inverter configuration.
  - **Alarm Log:** Views a history of alarms and warnings.
  - **On:** Initiates inverter operation.
  - **Warn.:** Indicates a warning condition.
  - **Alarm:** Indicates an alarm condition.
  - **Hand On:** Activates manual control mode.
  - **Off:** Stops inverter operation.
  - **Auto On:** Activates automatic control mode.
  - **Reset:** Resets alarms or certain parameters.

For detailed parameter settings and advanced functions, refer to the specific programming guide for your FC302/301 inverter model.

5. Maintenance

Proper maintenance ensures the longevity and reliable operation of your LCP102 panel.

- **Cleaning:** Gently wipe the display and panel surface with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the screen or buttons.
- **Environmental Conditions:** Ensure the panel operates within its specified temperature range (up to 50°C / 122°F) and avoid exposure to direct sunlight, extreme humidity, or corrosive environments. The panel is rated Type 4K / IP66 for protection against dust and water ingress, but proper installation is crucial to maintain this rating.
- **Inspection:** Periodically check the connection cable for any signs of wear or damage. Ensure the panel is securely mounted.

6. Troubleshooting

If you encounter issues with your LCP102 panel, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Panel display is blank.	No power to the inverter, loose connection, or panel fault.	• Verify the inverter is powered on. • Check the connection cable between the panel and the inverter. • If the issue persists, contact technical support.
Buttons are unresponsive.	Panel frozen, or internal fault.	• Try pressing the "Reset" button if available and applicable. • Power cycle the inverter (turn off, wait 30 seconds, turn on). • Ensure the panel surface is clean and free of obstructions.
Incorrect readings or parameters.	Inverter configuration error or communication issue.	• Refer to your inverter's manual for correct parameter settings. • Verify the communication cable integrity.

For specific alarm codes or complex issues, consult the comprehensive manual for your FC302/301 inverter or contact technical support.

7. Specifications

- **Model:** LCP102
- **Order Number:** 130B1107
- **Compatibility:** FC302/301 Inverters
- **Protection Rating:** Type 4K / IP66
- **Electrical Rating:** 5V DC, 120mA
- **Operating Temperature:** Up to 50°C (122°F)
- **Software Version:** 1.3 (as per label)
- **Manufacturer:** Generic
- **ASIN:** B0CSK729D2

8. Warranty and Support

For information regarding warranty coverage, technical assistance, or replacement parts for your LCP102 operation panel, please contact your original supplier or the manufacturer directly. Ensure you have your product's model number (LCP102) and order number (130B1107) available when seeking support.

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Documents - LCP102 – LCP102

CONTROL PANEL LCP102 SW.VER.8 3R/4X 130B1107 DANFOSS ID50

[pdf] Document

LCP102 DANFOSS informacja o produkcie rgbautomatyka pl media docs 29 |||

https://www.rgbautomatyka.pl CONTROL PANEL **LCP102** SW.VER.8 3R/4X 130B1107 DANFOSS ID50 Uywany DANFOSS **LCP102** Sprzt przetestowany i wyczyszczony. 24 miesice gwarancji Dedykowany kurier Wysylka w 24h DANE TECHNICZNE PRODUCENT MODEL KATEGORIA WAGA KG WYSOKO CM DLUGO CM SZEROKO CM DANFOSS LCP...

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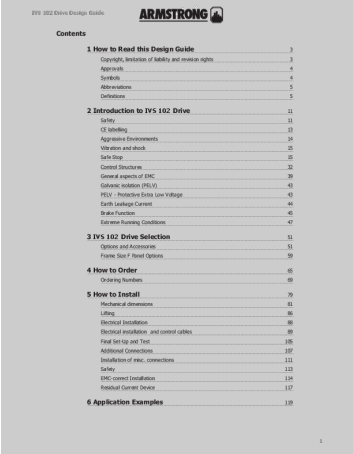

IVS 102 Drive Design Guide

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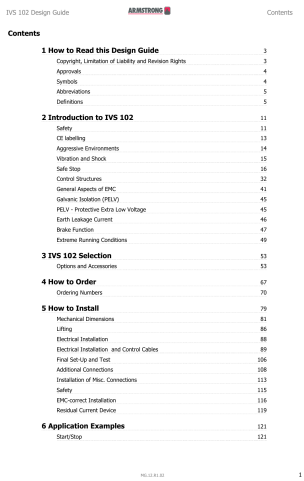

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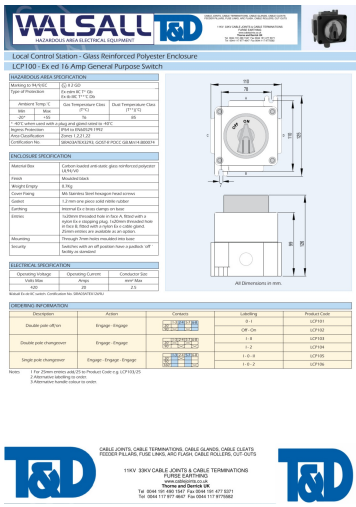

[pdf] Specifications

LCP Range indd chris Thorne DerrickLCP101 Off On LCP102 Double pole changeover Engage 1 3 2 4 5 7 6 8 20° 90° I II LCP103 LCP104 Single Hazardous Area Control Station GRP Pole Walsall LCP101 102cablejoints co uk upload Hazardous 102 |||

CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS Cornwallis Road, West Bromwich, FEEDER ... Labelling 0 - I Off - On I - II I - 2 I - 0 - II I - 0 - 2 99 110 125 126 Product Code LCP101 **LCP102** LCP103 LCP104 LCP105 LCP106 CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS FEE...

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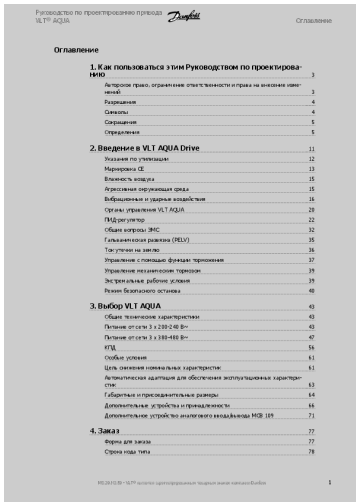

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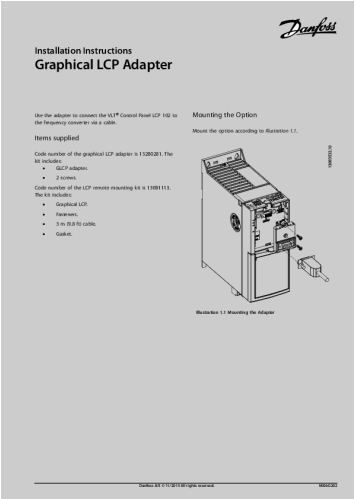

Installation Instructions
Graphical LCP Adapter

Use the adapter to connect the VLT® Control Panel LCP 102 to the frequency converter via a cable.

Items supplied

Code number of the graphical LCP adapter is 132B0281. The kit includes:

- GLCP adapter.
- 2 screws.

Code number of the LCP remote mounting kit is 130B1113. The kit includes:

- Graphical LCP.
- Fasteners.
- 3 m (9.8 ft) cable.
- Gasket.

Mounting the Option

Mount the option according to Illustration 1.1.

Illustration 1.1 Mounting the Adapter

[pdf] Instructions

Danfoss Graphical LCP Adapter for LCP101 LCP102 Instructions Installation Title Created Date 11 23 2015 12 50 53 PM inverterdrive file Fasteners 3 m 9 8 ft cable Gasket Mounting the Option Mount option according to Illustration 1

Installation Instructions Graphical LCP Adapter Use the adapter to connect the VLT Control Panel LCP 102 to the frequency converter via a cable. Items supplied Code number of the graphical LCP adapter is 132B0281. The kit includes: GLCP adapter. 2 screws. Code number of the LCP remote mounting ki...

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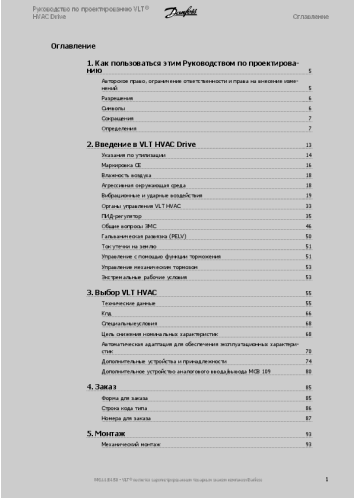

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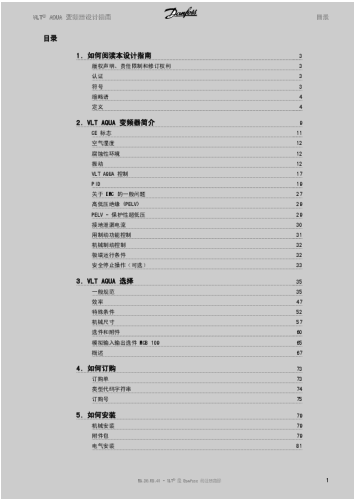

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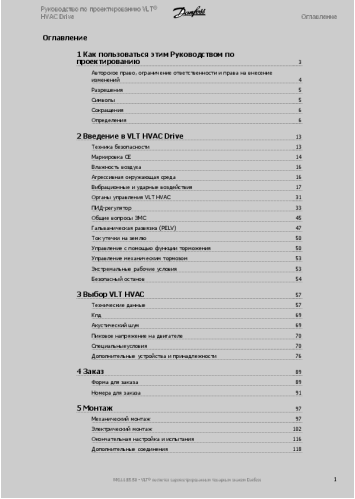

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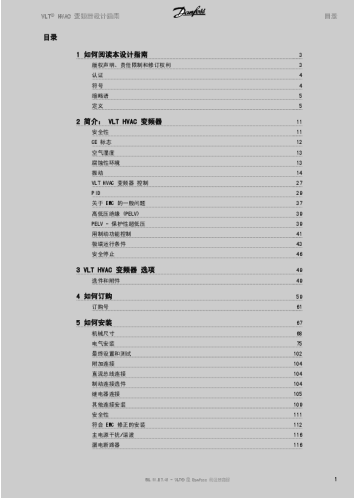

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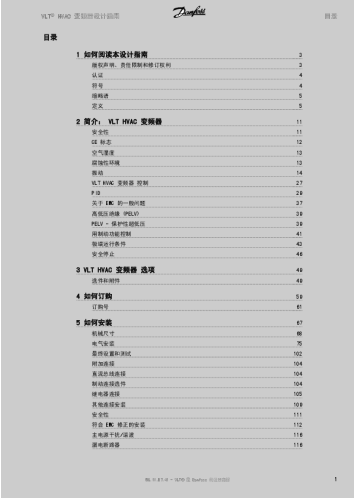

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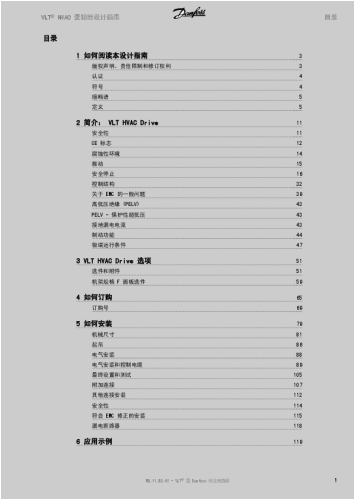

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BIG BROTHER IS LISTENING TO YOU... WITH TELEX/RTSTM DIGITAL MATRICES Straubing, Germany March 200 ... also equipped with a wide range of Telex peripherals and accessories, such as the Uio256, PAP32 and **LCP102**. Brico explained: We offered each of the companies a tailor-made solution covering all their...

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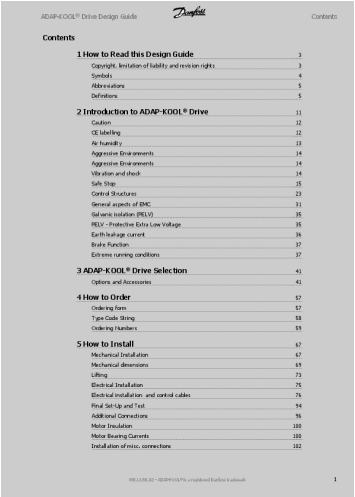

Danfoss ADAP-KOOL® Drive Design Guide

Comprehensive design guide for the Danfoss ADAP-KOOL® Drive (AKD102), covering installation, safety, specifications, ordering, and application examples for industrial frequency converter systems.

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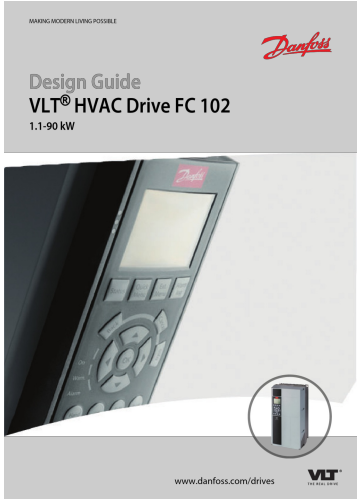

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Kurzanleitung VLT HVAC Drive Sicherheitshinweise: Diese Kurzanleitung darf nur von geschultem Fach ... n bertragen Par. 0-50 3 Mit Hife der Kopierfunktion knnen smtliche Gerteparameter im Bedienteil **LCP102** gespeichert werden. Bei Bedarf lassen sich die gespeicherten Parameter auf das gleiche oder ...

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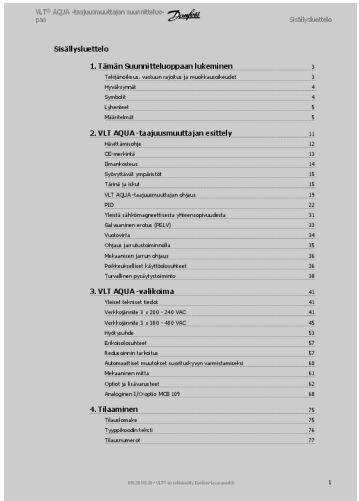

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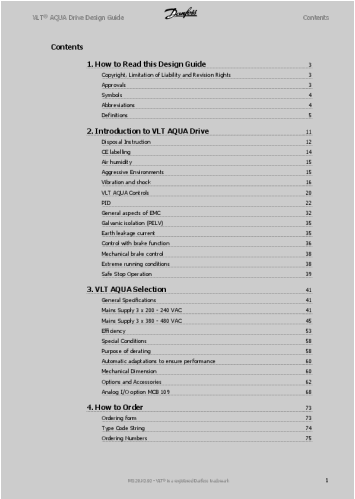

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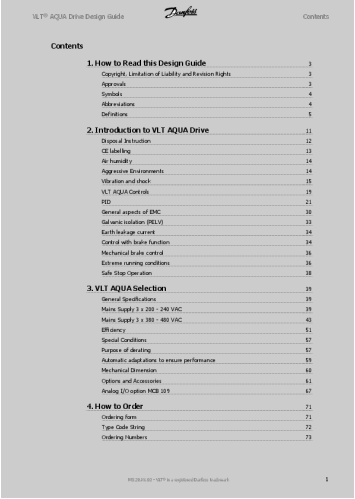

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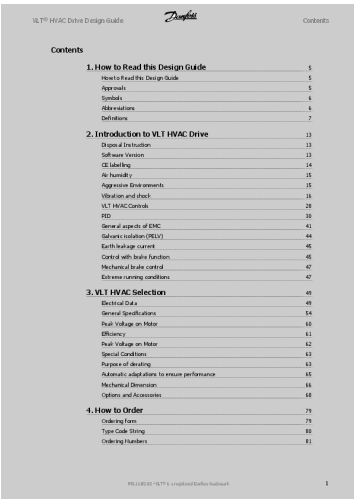

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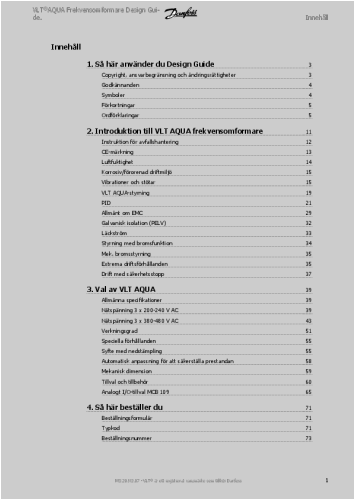

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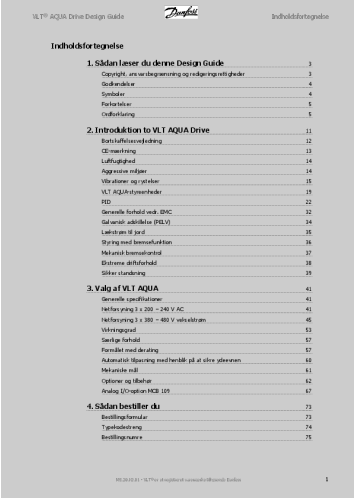

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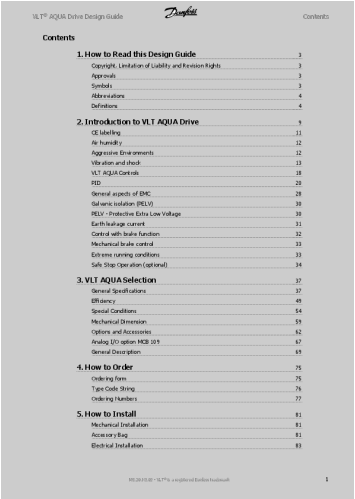

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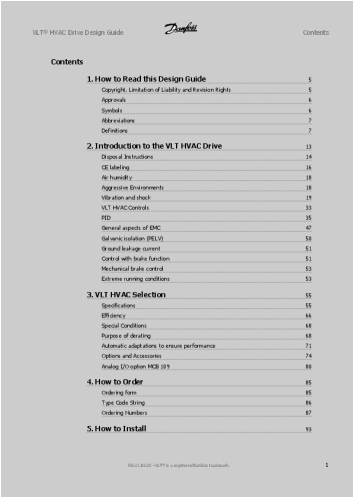

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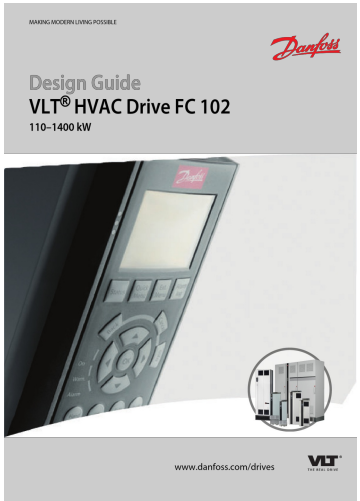

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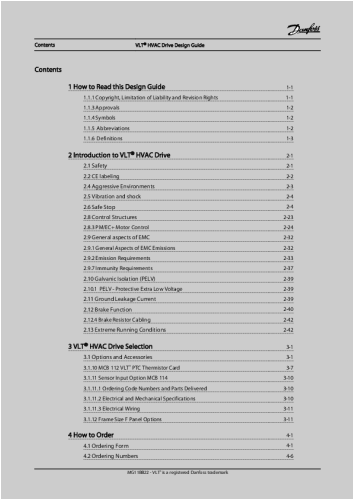

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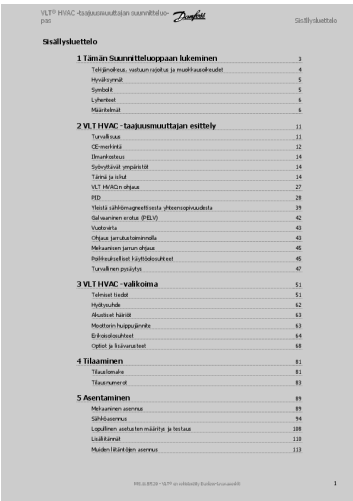

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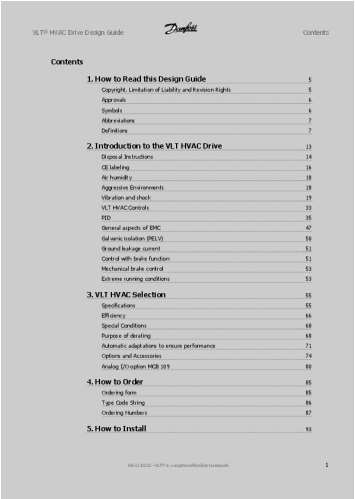

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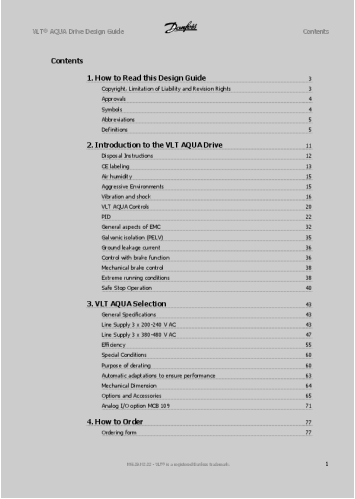

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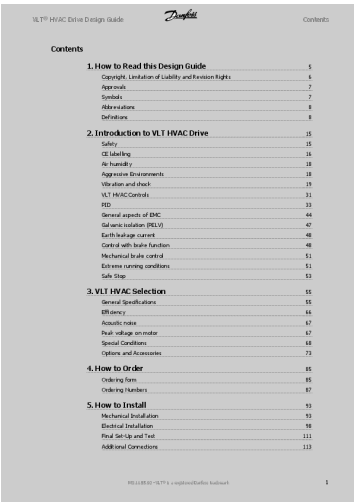

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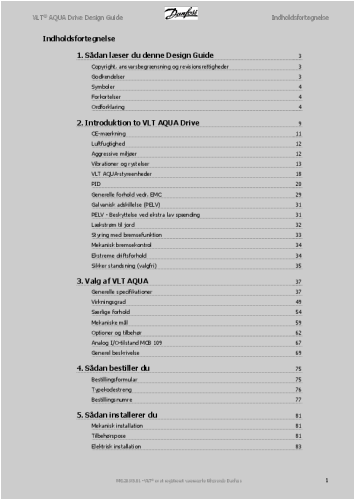

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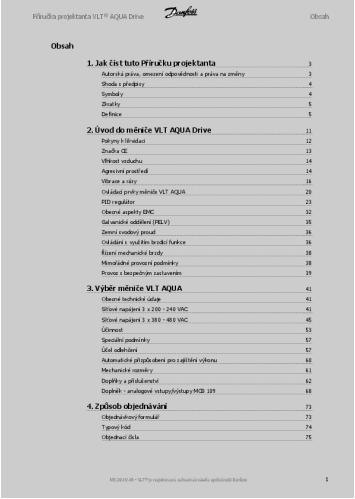

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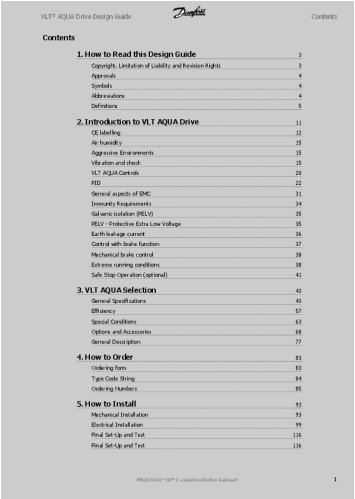

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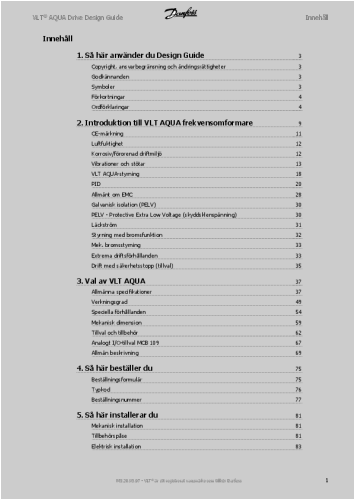

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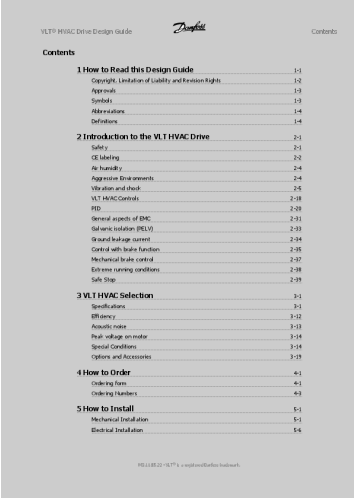

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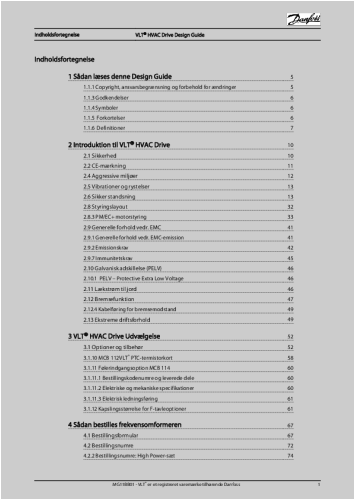

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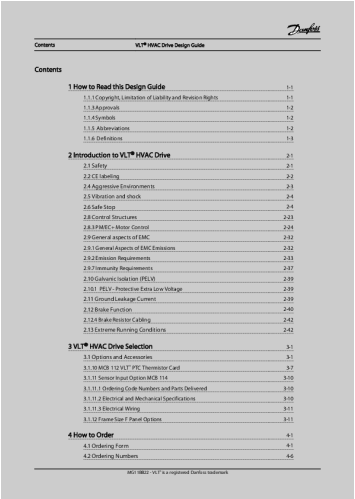

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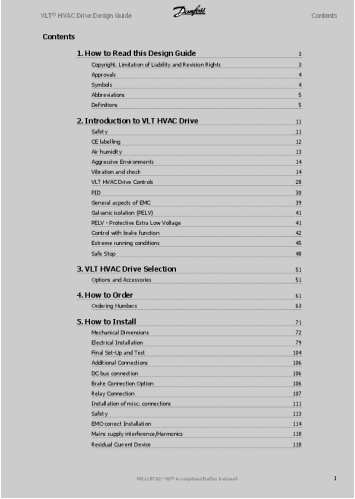

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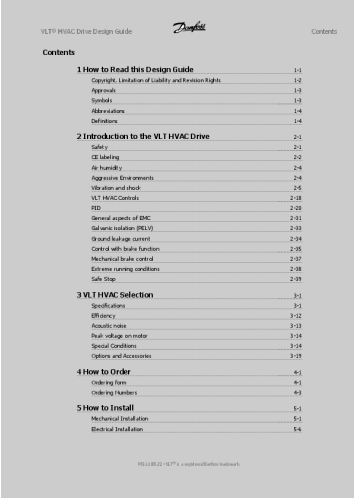

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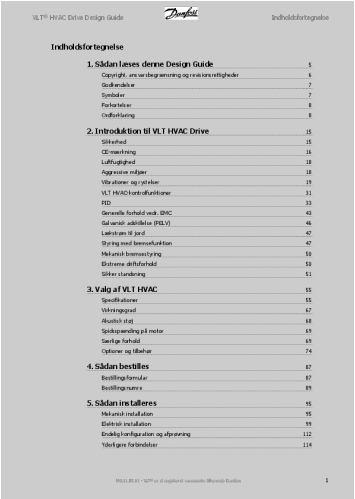

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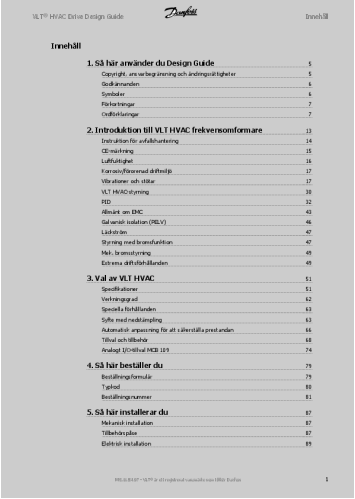

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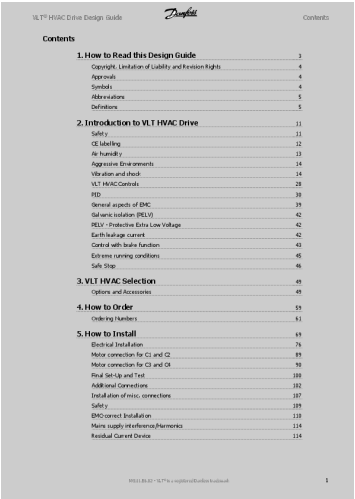

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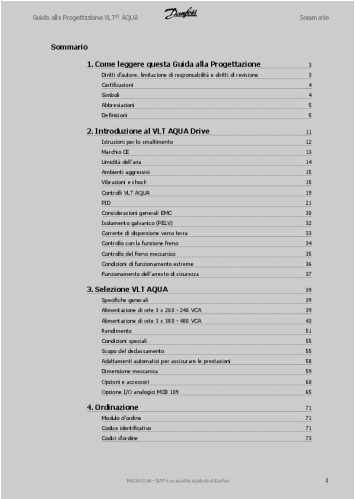

Guida alla Progettazione VLT® AQUA Sommario

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