



**131B3312**

**FC-302P15KT5P55H1XGXXXXXXXAXBXXXXDX**

Frequency converter  
 FC-302P15KT5P55H1XGXXXXXXXAXBXXXXDX  
 VLT® AutomationDrive FC-302  
 (P15K) 15 KW / 20 HP, Three phase  
 380 - 500 VAC, IP55 / Type12 Backplate  
 (H1) RFI Class A1/B (C1)  
 No brake chopper  
 Graphical Loc. Cont. Panel  
 Not coated PCB, No Mains Option  
 Latest release std. SW.  
 No A Option, No B Option  
 No C1 option, No D option  
 Frame: B1  
 Other options according to Model code

**Model code:** FC-302P15KT5P55H1XGXXXXXXXAXBXXXXDX

The VLT® AutomationDrive represents a single drive concept that controls the entire range of operations from ordinary to servo like applications on any machine or production line.

[View Efficiency Data](#)

**PRODUCT DETAILS**

<b>Gross weight</b>	23.73 kg	
<b>Net weight</b>	22.78 kg	
<b>Volume</b>	144.67 l	
<b>EAN</b>	5702427224933	
<b>Sales restriction control</b>		
<b>Matr grp for sales restriction</b>	0001	No grouping
<b>VLT® AUTOMATIONDRIVE FC 300 SERIES</b>		
<b>Product View (Switch)</b>	GLBL	Global (Standard)
<b>Product Group</b>	FC-	VLT® AutomationDrive FC-
<b>Series</b>	302	302
<b>Power Rating</b>	P15K	(P15K) 15 KW / 20 HP
<b>Phase</b>	T	Three phase
<b>Mains Voltage</b>	5	380 - 500 VAC
<b>Enclosure</b>	P55	IP55 / Type12 Backplate
<b>RFI Filter</b>	H1	(H1) RFI Class A1/B (C1)
<b>Brake - Safe Stop</b>	X	No brake chopper
<b>LCP</b>	G	Graphical Loc. Cont. Panel
<b>Coating PCB</b>	X	Not coated PCB
<b>Mains Option</b>	X	No Mains Option
<b>Adaptation A</b>	X	Standard Cable Entries
<b>Adaptation B</b>	X	No adaptation
<b>Software Release</b>	SXXX	Latest release std. SW.
<b>Software Language Pack</b>	X	Standard Language Pack
<b>A Option</b>	AX	No A Option
<b>B Option</b>	BX	No B Option

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## Product Detail | FC-302P15KT5P55H1XGXXXXSXXXXAXBXXXXDX

## PRODUCT DETAILS

<b>C0 Option MCO</b>	CX	No C0 option
<b>C1 Option</b>	X	No C1 option
<b>C Option Software</b>	XX	No software option
<b>D Option</b>	DX	No D option
<b>Frame Size</b>	B1	B1
<b>Typecode Part 1</b>		FC-302P15KT5P55H1XGX
<b>Typecode Part 2</b>		XXXXXXXAXBXXXXDX
<b>Product Catalog</b>	NO_VIEW	NO VIEW
<b>Power 160% (HO) [KW]</b>		15
<b>Power 110% (NO) [KW]</b>		18.5
<b>Height [mm]</b>		480,0
<b>Width w/ no C options [mm]</b>		242,0
<b>Depth [mm]</b>		260,0
<b>Depth with Option A/B [mm]</b>		260,0
<b>kVA</b>		22.2
<b>Power Loss NO [W]</b>		465
<b>Power Loss NO [W]</b>		465
<b>Power Loss HO [W]</b>		379
<b>Power Loss HO [W]</b>		379
<b>Continuous Current (NO) [A]</b>		37.5
<b>Intermittent Current (NO) [A]</b>		41.2
<b>Continuous Current (NO) [A]</b>		34
<b>Intermittent Current (NO) [A]</b>		37.4
<b>Continuous Current (HO) [A]</b>		32
<b>Intermittent Current (HO) [A]</b>		51.2
<b>Continuous Current (HO) [A]</b>		27
<b>Intermittent Current (HO) [A]</b>		43.2
<b>Calculated Gross Weight [kg]</b>		23.7
<b>Calculated Net Weight [kg]</b>		23.4
<b>Material Gross Weight</b>		23.73
<b>Material Net Weight</b>		22.78
<b>Vendor</b>	ERR01	Cannot Determine Vendor
<b>Modelcode01</b>		FC-302P15KT5P55H1XGX
<b>Modelcode02</b>		XXXXXXXAXBXXXXDX

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

## Accessories

Image  
coming  
soon

**130B3290** [🔗](#)**VLT® Safe option MCB 151, coated**

VLT® Safe option MCB 151, painted for HTL feedback, can be used up to PL d or SIL 2

For more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

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**Accessories**


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**130B3280** [🔗](#)**VLT® Safe option MCB 150, coated**

Safety modules enable machines to interact intelligently with operators to increase safety, reduce system costs, improve flexibility and increase productivity.

VLT® MCB 15x Safe options provide an intelligent, user-friendly solution to meet the IEC 61800-5-2 functional safety standard and helps to reduce cabling.

The new safety module is certified according to ISO 13849-1 PL d Category 3 and SIL 2 according to IEC 61508.

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**130B3383** [🔗](#)**Back plate IP21/Type 1, IP55/Type 12, B1**

FC 300 back cover for the devices in IP21 / 55 Housing size B1

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**130B4598** [🔗](#)**Weather shield f. outdoor instl A4 to B2**

Weather shield for enclosure sizes A4, A5, B1, B2

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**130B7533** [🔗](#)**Mounting Kit C Option, B/C/D/E/F(not B3)**

MCF105 C Option, Mounting Kit A2 and A3

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**130B7635** [🔗](#)**VLT® Lift Controller MCO 361**

VLT® Motion Control MCO 305 with special software for lift application

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**130B7145** [🔗](#)**VLT® SALT Controller MCO 360****130B6443** [🔗](#)**VLT® Safety Option MCB 140**

Extends the Safe Torque Off feature of VLT® drives with additional safety functions: Safe Stop 1 (SS1), Safely Limited Speed (SLS), Safe Maximum Speed (SMS) and Safe Speed Monitor (SSM).

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## Accessories



### 130B9860 [🔗](#)

#### VLT® Safety Option MCB152, coated

Safety modules enable machines to interact intelligently with operators to increase safety, reduce system costs, improve flexibility and increase productivity.

VLT® Safety Option MCB152 provides an intelligent, user-friendly solution to meet the IEC 61800-5-2 functional safety standard and helps to reduce cabling. MCB152 enables activation of the Safe Torque Off (STO) irrespective of where a hazard occurs.

The new safety module is certified according to ISO 13849-1 PL d Category 3 and SIL 2 according to EN IEC 61508.

The combination of VLT® Safety Option MCB152, PROFINET fieldbus option MCA120, and the control card of the VLT® AutomationDrive constitutes a PROFIsafe device.



### 130B5646 [🔗](#)

#### VLT® EtherCAT MCA 124, coated

MCA 124 Ethercat option painted The VLT® EtherCat MCA 124 option enables Connection to EtherCat-based networks via the EtherCat protocol.

The option allows an EtherCat connection with full Speed and a connection to the frequency converter with a time interval of 4 ms in both Directions. This enables the MCA124 to be used in Networks from low-power applications to Servo applications.

- EoE EtherNet over EtherCat support
- HTTP (Hypertext Transfer Protocol) for diagnosis via integrated web server
- SMTP (Single Mail Transfer Protocol) for email notification
- TCP / IP for easy access to frequency converters Configuration data via MCT 10



### 130B5436 [🔗](#)

#### Side Fixture Mounting Kit

Side Fixture Mounting Kit for enclosure size A5 / B1 / B2 / C1 / C2  
To be used when retrofitting the following MCA options:

- MCA 120 Profinet
- MCA 121 EtherNet
- MCA 122 Modbus TCP
- MCA 123 POWERLINK
- MCA 124 EtherCAT
- Product group: R1



### 130B5435 [🔗](#)

#### DIN Rail Mounting Kit

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Accessories



**130B1235** [🔗](#)

**VLT® PROFINET MCA 120, coated**

MCA 120 PROFINET interface

With reinforced coating (class 3C3 / IEC 60721-3-3)

- Supports operation on PROFINET network with extensive characteristics
- DCP support for easy setting u. Communication parameters via the PLC
- on Board web-Page with Drive Status
- parameterization with the MCT10 software
- 2-port version, reduced external hardware



**130B1234** [🔗](#)

**VLT® Motion Control MCO 305, coated**

Integrated and programmable motion controller for VLT® AutomationDrive FC 301 and FC 302

- Adds additional functionality and flexibility as it is a freely programmable module
- Optimized for all types of positioning and synchronization applications
- Make your own program specially adapted to your application

Contains:

- synchronization (electronic shaft), positioning and electronic cam control
- 2 inputs support both stepwise and absolute encoders
- 1 encoder output (virtual master function)

10 digital inputs

- 8 digital outputs

- Sends and receives data via fieldbus interface (requires fieldbus option)

- PC software for programming and commissioning

Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option, together with MCB 113, in enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option, together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

Danfoss MCO options are not sold without prior advice.

Danfoss can offer help with programming / setting up MCO options.

Contact Danfoss for advice and prices.

Product group: R



**130B1245** [🔗](#)

**VLT® PROFIBUS Converter MCA 113, ctd**

Ensures easy and quick replacement of VLT®3000 to VLT® AutomationDrive

VLT® 3000 can then be replaced by VLT® AutomationDrive or

- the system Can be expanded without costly changes to the PLC program
- Flexible investment as it is easy to remove and replace option when upgrading to another fieldbus

Product group: R1

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**Accessories**


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**130B1227** [🔗](#)**VLT® Resolver Input MCB 103, coated**

Resolver extension for FC 300. Enables the connection of the following

Resolver types:

Input voltage: 4..8 Vrms

Input frequency: 2.5..15 kHz

Number of resolver poles: 2 or 4

**130B1220** [🔗](#)**VLT® Safe PLC I/O MCB 108, coated**

Increases security and helps you meet requirement security levels

- VLT® AutomationDrive FC 302 has a safety input based on a

single pole 24 V DC input

- Security in a cost-effective way

Possibility of connection to two conductor safety system

Possibility to interrupt on the plus or minus side without disturbing the sensor signal

**130B1219** [🔗](#)**VLT® EtherNet IP MCA 121, coated**

EtherNet/IP extends commercial off-the-shelf Ethernet to the Common Industrial Protocol (CIP™) – the same upper-layer protocol and object model found in DeviceNet. Built-in high-performance switch enabling line-topology, and eliminating the need for external switches. Device Level Ring (DLR) topology for higher system availability. Based on CIP™, makes the reuse of PLC program possible when migrating from DeviceNet to EtherNet/IP. Built-in web server provides remote diagnosis and reading out of basic drive parameters. E-mail notification provides fast access to warnings or alarm information. Unicast and Multicast communication for improved network utilization. Certified by ODVA for fulfilment of the newest standard.

**130B1264** [🔗](#)**VLT® Extended Relay Card MCB 113, ctd**

Adds 7 digital inputs and 2 analog outputs for increased flexibility. 4

SPDT relays. Meets NAMUR recommendations. Galvanic isolation capability.

**For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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**Accessories**


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**130B1253****VLT® Position Controller MCO 351, ctd**

Extends the functional characteristics of the frequency converter in positioning applications

- Direct positioning via fieldbus, relative positioning, absolute positioning and touch probe positioning
- End stop handling (software and hardware)
- Mechanical brake handling (programmable hold delay)

Error handling

- Jog speed / manual operation
  - None for programming, as it is pre-programmed
- Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option, together with MCB 113, in enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option, together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

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Danfoss can offer help with programming / setting up MCO options.

Contact Danfoss for advice and prices.

Product group: R

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**130B1252****VLT® Synchronizing Ctrl. MCO 350, ctd**

MCO 350 - synchronous controller

Based on the MCO 305 prefabricated controller for Synchronization tasks. The adjustment takes place through parameter settings. Specific Programming skills are not required.

- 2 encoder inputs, both for incremental as well as absolute encoder
  - 1 encoder output (virtual master function)
  - 10 additional digital inputs
  - 8 additional digital outputs
  - fieldbus Communication (requires fieldbus card) with reinforced coating
- 

**130B1246****VLT® PROFIBUS Converter MCA 114, ctd**

A special version of the PROFIBUS options that emulates VLT® 5000 commands in the VLT® AutomationDrive. The VLT® 5000 can be replaced by the VLT® AutomationDrive, or an existing system can be expanded without costly change of the PLC program. For upgrade to a different fieldbus, the installed converter is easily removed and replaced with a new option. This secures the investment without losing flexibility. The option supports DPV1.

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Accessories



**130B1196** [🔗](#)

**VLT® Modbus TCP MCA 122**

MCA 122 Modbus TCP interface Complex compatibility tests make the perfect operation in Modbus TCP systems for sure.

- On Board web-Page with Drive Status
- Parameterization with MCT10 software
- 2 port version reduces effort for external hardware (switch, cables, etc.) and allows flexible bus topologies



**130B1172** [🔗](#)

**VLT® Sensor Input Card MCB 114, unctd**

Protects the motor from being overheated by monitoring the temperature of bearings and windings in the motor. Three self-detecting sensor inputs for 2 or 3 wire PT100/PT1000 sensors. One additional analog input 4–20 mA.



**130B1170** [🔗](#)

**LCP Panel Mounting Kit**

The kit includes fasteners and gasket. No LCP and no cable included.



**130B1212** [🔗](#)

**VLT® General Purpose I/O MCB 101, ctd**

MCB 101 - Advanced I / O option

Expands the number of freely programmable

Control inputs and outputs around the following I / Os:

- 3 digital inputs opto-decoupled 0 - 24 V.
  - 2 analog inputs 0 - 10 V.
  - 2 digital outputs NPN / PNP switchable 24 V
  - 1 analog output 0/4 - 20 mA
- with reinforced coating



**130B1210** [🔗](#)

**VLT® Relay Option MCB 105, coated**

Relay extension for FC 100 and FC 300.

Extension with 3 additional load relays (changeover contacts), easy to retrofit thanks to modular technology.

Painted version for harsh environments, easy to retrofit thanks to modular technology.

Max. Load 240V AC (resistive): 2 A

Max. Load 240V AC (Cos Phi 0.4): 0.2 A

Max. Load 24V DC (ohmic): 1 A

Max. Load 24V DC (inductive): 0.1 A

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**Accessories**


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**130B1208** [🔗](#)**1x MCB 107 24V DC coat w. mount. brackets**

Connect an external DC supply to keep the control section and any installed option alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.

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**130B1205** [🔗](#)**VLT® CAN Open MCA 105, coated**

CANopen interface for FC 300. Max. Baud rate 500 kBit / s. Support that DSP402 drive profile and PDO / SDO communication. Painted version for harsh environments. Easy to retrofit thanks to modular technology.

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**130B1203** [🔗](#)**VLT® Encoder Input MCB 102, coated**

Offers the possibility to connect various types of incremental and absolute encoders. The connected encoder can be used for closed-loop speed control as well as closed-loop flux motor control.

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**130B1202** [🔗](#)**VLT® DeviceNet MCA 104, coated**

MCA 104 - DeviceNet interface Option for FC300 and FC100 for mounting on the control card. Painted version

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**130B1200** [🔗](#)**VLT® Profibus DP V1 MCA 101, coated**

Provides wide compatibility, a high level of availability, support for all major PLC vendors and compatibility with future versions. Fast, efficient communication, transparent installation, advanced diagnosis and parameterization and auto-configuration of process data using GSD-file. Acyclic parameterization using PROFIBUS DP-V1, -PROFIdrive or Danfoss FC profile state machines, PROFIBUS DP-V1, Master Class 1 and 2.

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**130B1387** [🔗](#)**5x MCB107 24VDC no coat w.out mount brack****130B1386** [🔗](#)**VLT® Profibus DP V1 MCA 101, ctd, 5pcs****130B1385** [🔗](#)**VLT® Profibus DP V1 MCA101, unctd 5pcs**

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**Accessories**

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**130B1272** [🔗](#)**VLT® Sensor Input Card MCB 114, coated**

MCB 114 - PT100 / PT1000 option

For FC100-FC200 and FC302 (painted version)

Enables the evaluation of up to 3 PT 100 or 3 PT 1000 sensors

- Connection of 2 and 3 wire sensors
- Automatic detection of the sensor type
- Additional 4-20mA input

**130B1296** [🔗](#)**VLT® Modbus TCP MCA 122, coated**

The first industrial Ethernet-based protocol for automation. Connects to Modbus-TCP-based networks. Able to handle connection interval down to 5 ms in both directions, positioning it among the fastest performing Modbus TCP devices in the market. For master redundancy it features hot swapping between two masters.

**130B1164** [🔗](#)**VLT® Extended Relay Card MCB 113**

Adds 7 digital inputs and 2 analog outputs for increased flexibility. 4

SPDT relays. Meets NAMUR recommendations. Galvanic isolation capability.

**130B1006** [🔗](#)**VLT® Motion Ctrl Tool MCT 10>100 lic.**

An interactive tool for quick and easy online/offline configuration of a VLT® drive or soft starter using a PC. Configure communication networks and back up relevant parameter settings. Control and configure systems simultaneously and monitor entire system more effectively for faster monitoring, diagnosis, troubleshooting (alarms/warnings) and better preventive maintenance.

**130B1002** [🔗](#)**VLT® Motion Ctrl Tool MCT 10,10 lic.**

An interactive tool for quick and easy online/offline configuration of a VLT® drive or soft starter using a PC. Configure communication networks and back up relevant parameter settings. Control and configure systems simultaneously and monitor entire system more effectively for faster monitoring, diagnosis, troubleshooting (alarms/warnings) and better preventive maintenance.

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**Accessories**

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**130B1001** [↗](#)**VLT® Motion Ctrl Tool MCT 10,5 lic.**

An interactive tool for quick and easy online/offline configuration of a VLT® drive or soft starter using a PC. Configure communication networks and back up relevant parameter settings. Control and configure systems simultaneously and monitor entire system more effectively for faster monitoring, diagnosis, troubleshooting (alarms/warnings) and better preventive maintenance.

**130B1000** [↗](#)**VLT® Motion Ctrl Tool MCT 10,1 lic.**

An interactive tool for quick and easy online/offline configuration of a VLT® drive or soft starter using a PC. Configure communication networks and back up relevant parameter settings. Control and configure systems simultaneously and monitor entire system more effectively for faster monitoring, diagnosis, troubleshooting (alarms/warnings) and better preventive maintenance.

**130B1046** [↗](#)**Panel Through Mounting Kit, B1**

Push-through frame kit for FC size B1 Contains mounting frame, seal, Fastening material and assembly instructions.

**130B1135** [↗](#)**VLT® PROFINET MCA 120, UNCOATED**

MCA 120 PROFINET interface

- Supports operation on PROFINET network with extensive properties
- DCP support for easy setting u. Communication parameters via the PLC
- On Board web-Page with Drive Status
- Parameterization with the MCT10 software
- 2 port version, reduced external hardware

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Accessories



**130B1134**

**VLT® Motion Control MCO 305, uncoated**

Integrated and programmable motion controller for VLT® AutomationDrive FC 301 and FC 302

- Adds additional functionality and flexibility as it is a freely programmable module
- Optimized for all types of positioning and synchronization applications
- Make your own program specially adapted to your application

Contains:

- synchronization (electronic shaft), positioning and electronic cam control
- 2 inputs support both stepwise and absolute encoders
- 1 encoder output (virtual master function)

10 digital inputs

8 digital outputs

- Sends and receives data via fieldbus interface (requires fieldbus Option)
- PC software for programming and commissioning.

Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option, together with MCB 113, in enclosures A2 and A3.

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option, together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

Danfoss MCO options are not sold without prior advice. Danfoss can offer help with programming / setting up MCO options. Contact Danfoss for advice and prices.

Product group: R



**130B1129**

**LCP Mounting Kit FC IP55/66, 8m**

The kit includes fasteners, 8m cable, gasket and a blind cover to ensure IP55/ 66 after the LCP has been mounted elsewhere. The 8m cable is open in one end and the connector block is included in the package. No LCP included.



**130B1127**

**VLT® Resolver Input MCB 103, uncoated**

Enables connection of a resolver to provide speed feedback from the motor. Spring loaded connection.



**130B1125**

**VLT® General Purpose I/O MCB 101, unctd**

MCB 101 - Advanced I / O option

Expands the number of freely programmable Control inputs and outputs around the following I / Os:

- 3 digital inputs opto-decoupled 0 - 24 V.
- 2 analog inputs 0 - 10 V.
- 2 digital outputs NPN / PNP switchable 24 V
- 1 analog output 0/4 - 20 mA



**130B1124**

**VLT® Control Panel LCP 101, numeric**

Numerical control unit for FC 100 and FC 300. Allows access to all device parameters.

Quick menu for brief commissioning. Manual / auto switchover and alarm acknowledgment.

**For more information, please use this link to visit the product page on Danfoss Product Store**

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Accessories



**130B1120** [🔗](#)

**VLT® Safe PLC I/O MCB 108, uncoated**

Connection converter for FC 300 with control input for a safe stop. Allows secure connection. Output modules with diagnostic pulse (Cross-circuit monitoring).



**130B1119** [🔗](#)

**VLT® EtherNet/IP MCA 121, uncoated**

MCA 121 EtherNet / IP interface

- Allows connection to EtherNet / IP based Automation systems via CIP (CommonInterface Protocol)
- 2 port design reduces external components
- HTTP for diagnosis via built-in web server
- SMTP, DHCP and FTP protocols
- Prepared for parameterization with the MCT 10 software via TCP / IP
- Certified according to ODVA



**130B1117** [🔗](#)

**LCP Mounting Kit, w/ no LCP**

The kit includes fasteners, 3m cable and gasket - There is no LCP included.



**130B1115** [🔗](#)

**VLT® Encoder Input MCB 102, uncoated**

Offers the possibility to connect various types of incremental and absolute encoders. The connected encoder can be used for closed-loop speed control as well as closed-loop flux motor control.



**130B1114** [🔗](#)

**LCP Mounting Kit w/ numerical LCP101, 3m**

The kit includes numerical LCP, fasteners, 3m cable and gasket.



**130B1113** [🔗](#)

**lcp panel kit/fc300 fg-lcp panel kit**

The kit includes graphical LCP, fasteners, 3m cable and gasket.



**130B1110** [🔗](#)

**VLT® Relay Option MCB 105, uncoated**

Relay extension for FC 100 and FC 300. Extension with 3 additional load relays (changeover contacts), easy to retrofit thanks to modular technology.

Max. Load 240V AC (resistive): 2 A

Max. Load 240V AC (Cos Phi 0.4): 0.2 A

Max. Load 24V DC (ohmic): 1 A

Max. Load 24V DC (inductive): 0.1 A

**For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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**Accessories**


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**130B1155** [🔗](#)**USB extension Cable, 350mm**

USB extension kit for FC 300 cable length: 350mm for the housing size:  
B2, C1 and C2 screw connection M 25

**130B1153** [🔗](#)**VLT® Position Controller MCO351, unctd**

Extends the functional characteristics of the frequency converter in positioning applications

- Direct positioning via fieldbus, relative positioning, absolute positioning and touch probe positioning
- End stop handling (software and hardware)
- Mechanical brake handling (programmable hold delay)

Error handling

- Jog speed / manual operation
- None for programming, as it is pre-programmed

Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B7531 - Mounting kit for MCO Option, together with MCB 113, in enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B1414 - Mounting kit for MCO Option, together with MCB 113, in enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

Danfoss MCO options are not sold without prior advice. Danfoss can offer help with programming / setting up MCO options. Contact Danfoss for advice and prices.

Product group: R

**130B1152** [🔗](#)**VLT® Synchronizing Contr. MCO350, unctd**

Expands the functional properties of the VLT® AutomationDrive in synchronizing applications, and replaces traditional mechanical solutions. Speed synchronizing. Position (angle) synchronizing with or without marker correction. Online adjustable gear ratio. Online adjustable position (angle) offset. Encoder output with virtual master function for synchronization of multiple followers. Control via I/Os or fieldbus. Home function. Configuration as well as read-out of status and data via the Local Control Panel of the drive.

**130B1137** [🔗](#)**VLT® PTC Thermistor Card MCB 112, ctd**

MCB 112 PTC - thermistor relay MS220DA In connection with ATEX certified explosion-proof motors for full motor protection. Certified PTC sensors are the sole protection required.

Integrable module with ATEX-compliant full thermal motor protection

- 1 PTB-certified PTC thermistor input
- 1 switch-off signal for using the Safe Stop function
- 1 logic output for error identification

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**Accessories**


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**130B1081** [🔗](#)**Mounting Brackets, B1**

Mounting brackets for enclosure size B1

**130B1078** [🔗](#)**VLT® Control Panel LCP 102, graphical**

LCP 102 - graphic control unit for FC100 / 200/300, degree of protection IP66

**130B1077** [🔗](#)**Blindcover, w/ Danfoss logo, IP55/66**

LCP Blindcover IP66

**130B1071** [🔗](#)**6 Pole Connector, FC series, 10 pcs**

6-pole spring cage connectors 10 pcs

**130B1070** [🔗](#)**RS485 plug, FC series, 10 pcs**

10pcs RS485 connectors for FC-series.

Product group: R

**130B1108** [🔗](#)**VLT® 24V DC Supply MCB 107, uncoated**

Connect an external DC supply to keep the control section and any installed option alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.

**130B1107** [🔗](#)**VLT® Control Panel LCP 102**

Graphic operating unit LCP102 Illuminated graphic display with plain text. Supports all languages and characters. Quick menu for brief commissioning. Saving and copying parameter sets. Online help for each function

**130B1103** [🔗](#)**VLT® CAN Open MCA 105, uncoated**

Standardized handling and interoperability for high flexibility and low costs. Fully equipped with both high-priority access to control and status of the drive (PDO Communication) and access to all parameters through acyclic data (SDO Communication). For interoperability the option has implemented the DSP402 AC-drive profile.

**For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Accessories



**130B1102** [🔗](#)

**VLT® DeviceNet MCA 104, uncoated**

Robust, efficient data handling thanks to advanced Producer/Consumer technology. ODVA's strong conformance testing policies ensure products are interoperable, and the AC-drive profile, supported using I/O instance 20/70.21/71, secures compatibility to existing systems.



**130B1100** [🔗](#)

**VLT® Profibus DP V1 MCA 101**

Provides wide compatibility, a high level of availability, support for all major PLC vendors and compatibility with future versions. Fast, efficient communication, transparent installation, advanced diagnosis and parameterization and auto-configuration of process data using GSD-file. Acyclic parameterization using PROFIBUS DP-V1, -PROFIdrive or Danfoss FC profile state machines, PROFIBUS DP-V1, Master Class 1 and 2.



**130B1088** [🔗](#)

**LCP Blindcover, w/ Danfoss logo, IP20/21**



**130B1490** [🔗](#)

**VLT® POWERLINK MCA 123, coated**

Represents the second generation of fieldbus. The high bit rate of industrial Ethernet can now be used to make the full power of IT technologies used in the automation world available for the factory world.



**175Z0929** [🔗](#)

**LCP Cable, 3m**

Cable for control panel (LCP), 3 meters  
Works with the following LCP:  
Alphanumeric control panel LCP3 - 175N0131  
VLT® LCP 102 Graphic Display - 130B1107  
VLT® LCP 101 Numeric Display - 130B1124  
VLT® LCP 102 Graphic display IP66 - 130B1078  
Product group: F1

Image coming soon

**175U0009** [🔗](#)

**Mounting bracket Kit, 216 x 30 x 18mm**

Mounting angle for flatpack resistor 200W



**175N2584** [🔗](#)

**VLT® EtherNet/IP Modbus TCP gateway**

**For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Accessories



**134B6487** [🔗](#)  
**Panel Through Mounting kit w/o Panel, B1**

Image  
coming  
soon

**134B6302** [🔗](#)  
**VLT MCT 10 Software Customizer, 1 key**  
the commissioning experience of the VLT® to best fit your needs. It is a strong tool that enables you to quickly create your setup and test it first to MCT 10 using the simulator before uploading it to a real drive. local Danfoss Drives representative to order the required license(s).  
Customize your commissioning experience  
As the name suggests, VLT® Software Customizer allows you to customize  
Note that the Advanced MCT 10 license is needed, please contact the

Image  
coming  
soon

**134B5225** [🔗](#)  
**Remote LCP unit, 10m**  
Remote mounting kit for LCP with cover for outdoor mounting with 10 m (33 ft) cable

Image  
coming  
soon

**134B5224** [🔗](#)  
**Remote LCP unit, 5m**  
Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16 ft) cable



**134B5223** [🔗](#)  
**Remote LCP unit, 3m**  
Remote mounting kit for LCP with cover for outdoor mounting with 3 m (10 ft) cable

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## Accessories



### 134B0460 [🔗](#)

#### LCP 103 Wireless Communication Panel

With VLT® Wireless Communication Panel LCP 103 you can communicate with MyDrive® Connect - an app that can be downloaded for iOS and Android based smartphones. MyDrive® Connect makes commissioning easy, monitor and maintain tasks on your frequency converter. VLT® Wireless Communication Panel LCP 103 shows the current status of the drive (On, Warning, Alarm, Wifi connection) via built-in LED. Detailed information is also available using MyDrive® Connect. Here do you have access to i.a. status, menu and alerts. You can also see graphs over the latest available data.

The new VLT® Wireless Communication Panel LCP 103 allows you to wireless communication to the following drives:

- VLT® HVAC Drive FC 102
- VLT® Refrigeration Drive FC 103
- VLT® AQUA Drive FC 202
- VLT® AutomationDrive FC 302

[!] Note!

LCP 103 only works on frequency converters produced in 2018 (White USB stik).

Product group: R1

Image  
coming  
soon

### 134B1992 [🔗](#)

#### Control Terminals w/ screw connections

Image  
coming  
soon

### 130B6447 [🔗](#)

#### VLT® Safety Option MCB 141

Extends the Safe Torque Off feature of VLT® drives with additional safety functions: Safe Stop 1 (SS1), Safely Limited Speed (SLS), Safe Maximum Speed (SMS) and Safe Speed Monitor (SSM).



### 130B1266 [🔗](#)

#### VLT MCB 115 Programmable I/O, coated

VLT® MCB 115 programmable I / O, coated



### 134B6544 [🔗](#)

#### Real Time Clock D slot option MCB117

The VLT® Real-time clock option MCB 117 option provides advanced data-logging functionality to the following drives

- VLT® HVAC Drive FC 102
- VLT® Refrigeration Drive FC 103
- VLT® Aqua Drive FC 202
- VLT® Automation Drive FC 301/FC 302

Note: This option is compatible only with MK-II control cards & upto 90 KW supporting A,B & C Frames.

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## Accessories

Image  
coming  
soon**134B7093** [🔗](#)**VLT C-option Adapter MCF 107****130B0295** [🔗](#)**Accessory bag with control card plugs**Image  
coming  
soon**134B1985** [🔗](#)**Accessory bag for smooth cable entry B1**Image  
coming  
soon**130B4847** [🔗](#)**extension cable for Icp+communication****134B8814** [🔗](#)**VLT® PROFINET MCA120 coated 5pcs****134B8492** [🔗](#)**Transducer 0-10g, 4-20mA; HS-22B50****134B8493** [🔗](#)**CBM Transducer 0-25mm/s RMS 4-20mA**

CBM Transducer 0-25mm/s RMS 4-20mA

**134B8494** [🔗](#)**Transducer w, temp 0-25mm/s RMS 4-20mA****134B8496** [🔗](#)**Cable assy 10m, straight socket connetc.**Image  
coming  
soon**134B8497** [🔗](#)**Cable assy, M12 female connec.10m screen****For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Spare Parts

Image coming soon

**612Z1182** [🔗](#)  
fuse,4a,3 x 32mm,super fast



**130B3377** [🔗](#)  
RFI unit 200/500V adv. A1/B for frame B1  
RFI unit 200/500V adv. A1/B for frame B1



**130B7530** [🔗](#)  
Mounting Kit f. C Option, 40mm, A2/A3  
MCF 105 assembly kit A2 / A3 for C option



x10

**130B9001** [🔗](#)  
multiple 2 pole power combicon, 24V plug



**130B5601** [🔗](#)  
VLT® DeviceNet converter MCA194 coated  
VLT® DeviceNet converter MCA194 coated



**130B0264** [🔗](#)  
Cradle for A5,B1,B2,C1,C2,D2h enclosure  
cradle for LCP cradle for a5, b1,b2,c1,



**130B0295** [🔗](#)  
Accessory bag with control card plugs



**130B1077** [🔗](#)  
Blindcover, w/ Danfoss logo, IP55/66  
LCP Blindcover IP66



**130B1069** [🔗](#)  
Multiple relay 1 plug  
spare, 3 pole connector, relay 1, fc300



**130B1068** [🔗](#)  
Multiple relay 2 plug  
spare, 3 pole connector, relay 2, fc300

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## Spare Parts



**130B1061** [🔗](#)  
**DCcoil 18,5kW T4/6/7 for frame B1 and B2**



**130B1107** [🔗](#)  
**VLT® Control Panel LCP 102**  
Graphic operating unit LCP102 Illuminated graphic display with plain text. Supports all languages and characters. Quick menu for brief commissioning. Saving and copying parameter sets. Online help for each function



**130B1842** [🔗](#)  
**Power Card 18kW 500V**



**134B1726** [🔗](#)  
**Control Card with safe stop for FC-302**  
NOTE:  
The MKII control cards are backward compatible to the old cards but will only work with SW equal or higher than 8.12. If your drive has a customer specific software or a brand labeled software version please order the old control card MKI PN: 130B1109

Image  
coming  
soon

**134B1985** [🔗](#)  
**Accessory bag for smooth cable entry B1**



**134B5920** [🔗](#)  
**cable jumper 20 pole for frame size B1**

Image  
coming  
soon

**134B7132** [🔗](#)  
**External fan for frame size B1**  
Note: Old material number 130B3407

Image  
coming  
soon

**134B7134** [🔗](#)  
**Coated internal fan frame size B1 & B2**  
Note: Old material number 130B3441



**134B7135** [🔗](#)  
**Busbar insulation foil for frame size B1**

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## Spare Parts



**134B7173** [🔗](#)  
Busbar assembly for frame size B1



**134B7172** [🔗](#)  
Gasket for local control panel IP55/66



**134B7194** [🔗](#)  
3-pole Terminal Block



**134B7178** [🔗](#)  
24 pole 3 connector jumper for C option  
24 pole 3 connector jumper for C option

Image  
coming  
soon

**134B7057** [🔗](#)  
Screws 12 pcs 640f0774 cover B1 B2 C1 C2



**134B5475** [🔗](#)  
cable jumper 44 pole for frame size B1  
cable jumper 44 pole for frame size B1



**134B7346** [🔗](#)  
Plastic front cover assembly B1



**134B7466** [🔗](#)  
Option A Ethernet Package

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Services



**131B1177** [🔗](#)

**FC-302P15KT5E55H1BGXXXXXXXAXBXXXXDX**

FC-302P15KT5E55H1BGXXXXXXXAXBXXXXDX

Frequency converter  
 FC-302P15KT5E55H1BGXXXXXXXAXBXXXXDX  
 VLT® AutomationDrive FC-302  
 (P15K) 15 KW / 20 HP, Three phase  
 380 - 500 VAC, IP55 / Type 12  
 (H1) RFI Class A1/B (C1)  
 Brake chopper  
 Graphical Loc. Cont. Panel  
 Not coated PCB, No Mains Option  
 Latest release std. SW.  
 No A Option, No B Option  
 No C1 option, No D option  
 Frame: B1  
 Other options according to Model code

**Model code:** FC-302P15KT5E55H1BGXXXXXXXAXBXXXXDX

The VLT® AutomationDrive represents a single drive concept that controls the entire range of operations from ordinary to servo like applications on any machine or production line.



**130R1131** [🔗](#)

**DrivePro ExWarr Work Shop PG04 30 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.  
 You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1134** [🔗](#)

**DrivePro ExWarr Work Shop PG04 48 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.  
 You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1135** [🔗](#)

**DrivePro ExWarr Work Shop PG04 54 months**

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Services



**130R1137** [🔗](#)

**DrivePro ExWarr Work Shop PG04 66 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1138** [🔗](#)

**DrivePro ExWarr Work Shop PG04 72 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1136** [🔗](#)

**DrivePro ExWarr Work Shop PG04 60 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1130** [🔗](#)

**DrivePro ExWarr Work Shop PG04 24 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1132** [🔗](#)

**DrivePro ExWarr Work Shop PG04 36 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1133** [🔗](#)

**DrivePro ExWarr Work Shop PG04 42 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

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Services



**130R1034** [🔗](#)

**DrivePro ExWarr Onsite PG04 48 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1031** [🔗](#)

**DrivePro ExWarr Onsite PG04 30 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1032** [🔗](#)

**DrivePro ExWarr Onsite PG04 36 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1035** [🔗](#)

**DrivePro ExWarr Onsite PG04 54 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1033** [🔗](#)

**DrivePro ExWarr Onsite PG04 42 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.



**130R1030** [🔗](#)

**DrivePro ExWarr Onsite PG04 24 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

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**Services**


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**130R1038** [🔗](#)**DrivePro ExWarr Onsite PG04 72 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

**130R1036** [🔗](#)**DrivePro ExWarr Onsite PG04 60 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

**130R1037** [🔗](#)**DrivePro ExWarr Onsite PG04 66 months**

DrivePro® On-site Extended Warranty provides repair at the customer site, or replacement at the customer site.

You can only order DrivePro® Extended Warranty when purchased with a new drive. For drives previously shipped or purchased; contact your local Danfoss Drives sales office for extended warranty contract options.

**130R1303** [🔗](#)**DrivePro Start-Up unit pre-order small**

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

**130R1324** [🔗](#)**DrivePro SU + ctr interface test A,B & C**

DrivePro Start-Up Control interface testing small frame unit

**For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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**Services**

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**130R1321** [🔗](#)**DrivePro SU + spec. applications A,B & C**

DrivePro Start-Up special applications small frame unit

**130R1313** [🔗](#)**DrivePro Start-Up 1 day on-demand small**

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

**130R1312** [🔗](#)**DrivePro Start-Up 1 Day Pre-order small**

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

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**Services**

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**130R1304** [🔗](#)**DrivePro Start-Up unit on-demand small**

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and

ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

Image  
coming  
soon

**130R1380** [🔗](#)**DrivePro Start-Up ½ day pre-order small**

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and

ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

General Terms and Conditions of Delivery and Warranty apply.

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**For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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**Services**

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Image  
coming  
soon

**130R1381** **DrivePro Start-up ½ day on-demand small**

DrivePro® Start-up gives the Customer a full range of checks and adjustments during commissioning of the drive, ensuring their system is tuned for optimal performance right from day one.

The following benefits can be gained:

- Installation is checked to ensure it complies to Danfoss guide lines.
- The AC drive is fine-tuned specific to the application, ensuring optimal performance.
- Maximum energy savings to the Customer.
- Extend the AC drive's lifespan.
- Report detailing findings.

Before DrivePro® Start-up can be implemented, the AC drive must be installed and

ready for operation. The entire system must be fully operational under normal operation conditions. Installation of the drive is not included in this package. Commissioning needs to take place during the standard working hours.

General Terms and Conditions of Delivery and Warranty apply.

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