ENGINEERING
TOMORROW

Danfoss

131B3614 ☑

FC-301P11KT4E21H1XGXXXXSXXXXAXBXCXXXXDX

Frequency converter
FC-301P11KT4E21H1XGXXXXSXXXXAXBXCXXXXDX
VLT® AutomationDrive FC-301
(P11K) 11 KW / 15 HP, Three phase
380 - 480 VAC, IP21 / Type 1
(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-301P11KT4E21H1XGXXXXSXXXXAXBXCXXXXDX

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

Gross weight		21.2 kg
Net weight		20.9 kg
Volume		144.67 l
EAN		5702427233720
Sales restriction control		
Matr grp for sales restriction	0001	No grouping
VLT® AUTOMATIONDRIVE FC 300 SERIES		
Product View (Switch)	GLBL	Global (Standard)
Product Group	FC-	VLT® AutomationDrive FC-
Series	301	301
Power Rating	P11K	(P11K) 11 KW / 15 HP
Phase	T	Three phase
Mains Voltage	4	380 - 480 VAC
Enclosure	E21	IP21 / Type 1
RFI Filter	H1	(H1) RFI Class A1/B (C1)
Brake - Safe Stop	X	No brake chopper
LCP	G	Graphical Loc. Cont. Panel
Coating PCB	X	Not coated PCB
Mains Option	X	No Mains Option
Adaptation A	X	Standard Cable Entries
Adaptation B	X	No adaptation
Software Release	SXXX	Latest release std. SW.
Software Language Pack	X	Standard Language Pack
A Option	AX	No A Option
B Option	BX	No B Option

PRODUCT DETAILS

C0 Option MCO	CX	No C0 option
C1 Option	X	No C1 option
C Option Software	XX	No software option
D Option	DX	No D option
Frame Size	B1	B1
Typecode Part 1		FC-301P11KT4E21H1XGX
Typecode Part 2		XXXSXXXXAXBXCXXXXDX
Product Catalog	NO_VIEW	NO VIEW
Power 160% (HO) [KW]		11
Power 110% (NO) [KW]		15
Height [mm]		480,0
Width w/ no C options [mm]		242,0
Depth [mm]		260,0
Depth with Option A/B [mm]		260,0
kVA		16.6
Power Loss NO [W]		392
Power Loss NO [W]		392
Power Loss HO [W]		291
Power Loss HO [W]		291
Continuous Current (NO) [A]		32
Intermittent Current (NO) [A]		35.2
Continuous Current (NO) [A]		27
Intermittent Current (NO) [A]		29.7
Continuous Current (HO) [A]		24
Intermittent Current (HO) [A]		38.4
Continuous Current (HO) [A]		21
Intermittent Current (HO) [A]		33.6
Calculated Gross Weight [kg]		21.48
Calculated Net Weight [kg]		20.53
Material Gross Weight		21.2
Material Net Weight		20.9
Vendor	ERR01	Cannot Determine Vendor
Modelcode01		FC-301P11KT4E21H1XGX
Modelcode02		XXXSXXXXAXBXCXXXXDX

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 ↗

Accessories

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.

130B3383 ⧉
Back plate IP21/Type 1, IP55/Type 12, B1
FC 300 back cover for the devices in IP21 / 55 Housing size B1

130B4598 ⧉
Weather shield f. outdoor instl A4 to B2
Weather shield for enclosure sizes A4, A5, B1, B2

130B7533 ⧉
Mounting Kit C Option, B/C/D/E/F(not B3)
MCF105 C Option, Mounting Kit A2 and A3

130B7635 ⧉
VLT® Lift Controller MCO 361
VLT® Motion Control MCO 305 with special software for lift application

130B7145 ⧉
VLT® SALT Controller MCO 360

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.

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

Accessories

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

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

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

ENGINEERING
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Accessories

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

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

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.

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

Accessories

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.

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)
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

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

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

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

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

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Accessories

130B1208 ↗
1xMCB 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.

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.

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.

130B1202 ↗
VLT® DeviceNet MCA 104, coated
MCA 104 - DeviceNet interface Option for FC300 and FC100
for mounting on the control card. Painted version

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.

130B1387 ↗
5xMCB107 24VDC no coat w.out mount brack

130B1386 ↗
VLT® Profibus DP V1 MCA 101, ctd, 5pcs

130B1385 ↗
VLT® Profibus DP V1 MCA101, unctd 5pcs

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

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Accessories

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.

130B1005 ⤢

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.

130B1004 ⤢

VLT® Motion Ctrl Tool MCT 10,50 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.

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

Accessories

130B1003 ↗
VLT® Motion Ctrl Tool MCT 10,25 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.

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.

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

Accessories

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

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

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

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

Accessories

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.

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 ⧉

Accessories

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.

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

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

Accessories

130B1077 ⤢
Blindcover, w/ Danfoss logo, IP55/66
LCP Blindcover IP66

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.

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.

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

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Accessories

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

175U0009 ↗

Mounting bracket Kit, 216 x 30 x 18mm
Mounting angle for flatpack resistor 200W

175N2584 ↗

VLT® EtherNet/IP Modbus TCP gateway

134B6487 ↗

Panel Through Mounting kit w/o Panel, B1

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

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

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Accessories

134B5225
Remote LCP unit, 10m
Remote mounting kit for LCP with cover for outdoor mounting with 10 m
(33 ft) cable

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

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

134B1992
Control Terminals w/ screw connections

130B1266
VLT MCB 115 Programmable I/O, coated
VLT® MCB 115 programmable I / O, coated

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

Accessories

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.

130B0294 ↗

Accessory bag with clIPs, multi

130B0295 ↗

Accessory bag with control card plugs

134B1985 ↗

Accessory bag for smooth cable entry B1

130B4847 ↗

extension cable for lcp+communication

134B8814 ↗

VLT® PROFINET MCA120 coated 5pcs

Spare Parts

612Z1182 ↗

fuse,4a,3 x 32mm,super fast

130B3370 ↗

Gasket for front cover for frame size B1

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

Spare Parts

130B7530 ↗
Mounting Kit f. C Option, 40mm, A2/A3
MCF 105 assembly kit A2 / A3 for C option

130B9001 ↗
multiple 2 pole power combicon, 24V plug

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

130B0294 ↗
Accessory bag with clIPs, multi

130B1069 ↗
Multiple relay 1 plug
spare, 3 pole connector, relay 1, fc300

130B1060 ↗
DCcoil 11-15kW T4/6/7, 5,5-7,5kW T2 B1/2

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

130B1090 ↗
Plastic cover for framesize B1 IP21

130B1088 ↗
LCP Blindcover, w/ Danfoss logo, IP20/21

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

Spare Parts

130B1821 ↗
Power Card 15kW 400V

130B1820 ↗
Power Card 11kW 400V

130B1841 ↗
Power Card 15kW 500V for frame B1

Image coming soon

134B1985 ↗
Accessory bag for smooth cable entry B1

134B1728 ↗
Control Card w/o safe stop for FC-301
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: 130B1128

134B5920 ↗
cable jumper 20 pole for frame size B1

134B7130 ↗
Gasket for cable entry, frame B1 and B2

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

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

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Spare Parts

134B7173 ↗
Busbar assembly for frame size B1

134B7194 ↗
3-pole Terminal Block

134B7178 ↗
24 pole 3 connector jumper for C option
24 pole 3 connector jumper for C option

134B1971 ↗
acc.bag ip21 b1

134B5475 ↗
cable jumper 44 pole for frame size B1
cable jumper 44 pole for frame size B1

134B7346 ↗
Plastic front cover assembly B1

130B1071 ↗
6 Pole Connector, FC series,10 pcs
6-pole spring cage connectors 10 pcs

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

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Services

131B1177 ↗
FC-302P15KT5E55H1BGXXXXSXXXXAXBXCXXXXDX
FC-302P15KT5E55H1BGXXXXSXXXXAXBXCXXXXDX

Frequency converter
FC-302P15KT5E55H1BGXXXXSXXXXAXBXCXXXXDX
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-302P15KT5E55H1BGXXXXSXXXXAXBXCXXXXDX

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
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.

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

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.

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

Services

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 Start-Up ctrl. IFT test small

DrivePro Start-Up Control interface testing 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.

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

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Services

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.

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.

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

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Services

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.

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.

130R1348 ↗

DrivePro Remote Monitoring - Annual Fee

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