

131F0154

FC-302P11KT5E20H2BGXXXXSXXXXAXBXCXXXXDX

Frequency converter
FC-302P11KT5E20H2BGXXXXSXXXXAXBXCXXXXDX
VLT® AutomationDrive FC-302
(P11K) 11 KW / 15 HP, Three phase
380 - 500 VAC, (E20) IP20 / Chassis
RFI Filter
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: B3
Other options according to Model code

Model code: FC-302P11KT5E20H2BGXXXXSXXXXAXBXCXXXXDX

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		11.31 kg
Net weight		10.34 kg
Volume		42.336 l
EAN		5702427393578
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	302	302
Power Rating	P11K	(P11K) 11 KW / 15 HP
Phase	T	Three phase
Mains Voltage	5	380 - 500 VAC
Enclosure	E20	(E20) IP20 / Chassis
RFI Filter	H2	RFI Filter
Brake - Safe Stop	B	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

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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	B3	B3
Typecode Part 1		FC-302P11KT5E20H2BGX
Typecode Part 2		XXXSXXXXAXBXCXXXXDX
Product Catalog	NO_VIEW	NO VIEW
Power 160% (HO) [KW]		11
Power 110% (NO) [KW]		15
Height [mm]		399,0
Width w/ no C options [mm]		165,0
Depth [mm]		249,0
Depth with Option A/B [mm]		262,0
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]		12
Calculated Net Weight [kg]		11.7
Material Gross Weight		11.31
Material Net Weight		10.34
Vendor	ERR01	Cannot Determine Vendor
Modelcode01		FC-302P11KT5E20H2BGX
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

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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.



130B7635

VLT® Lift Controller MCO 361

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



130B7407

NEMA 1 Conversion Kit, Top, 10 pcs, B3



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.



130B5764

Leakage Current Monitor Kit, B3

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

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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



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

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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



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



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

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

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Accessories



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



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



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.

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

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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

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Image coming soon

130B1188

IP21 conversion kit, top, B3

IP21 top cover for enclosure B3
Product group: R1



130B1187

IP 21/Type 1 conversion kit, B3

Cover for housing size B3 MCF 101 NEMA1 / IP21



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

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

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Accessories



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



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.

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

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Accessories



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



130B1384

acc. bag multipack 5 pcs frame B3

Krones acc. bag multipack 5pcs for B3-frame.



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.

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

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Accessories



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.



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.

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Accessories



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.



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



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.



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).

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Accessories



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

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Accessories



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
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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



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

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

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Accessories



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.



130B1088

LCP Blindcover, w/ Danfoss logo, IP20/21

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Accessories



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.



130B1414

Mounting Kit f. C Option , 60mm, B3

MCF 105 mounting kit for FC 302 C option B3 (60mm)



130B1413

Mounting Kit f. C Option, 40mm, B3

Mounting kit for FC 302, C options, Case size B3 (40mm)



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

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

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Accessories

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



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



130B1266

VLT MCB 115 Programmable I/O, coated

VLT® MCB 115 programmable I / O, coated

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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.



130B0295

Accessory bag with control card plugs



134B1979

Accessory bag for framesize B3

Accessory bag for framesize B3

Image coming soon

130B4847

extension cable for lcp+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.

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Accessories

Image coming soon

134B8497
Cable assy, M12 female connec.10m screen

Spare Parts



130B3566
Left front cover for frame H10 and B3



130B3565
Left side cover for frame H10 and B3



130B3564
Right side cover for frame H10 and B3



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

Image coming soon

130B5728
DC coil 0.78mh/34a for frame B3



130B5601
VLT® DeviceNet converter MCA194 coated
VLT® DeviceNet converter MCA194 coated



130B1410
Front cover right with option

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Spare Parts



130B1008
Frame for LCP Control Pad with option



130B1007
Frame for LCP Control Pad w/o option



130B0295
Accessory bag with control card plugs



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



130B1068
Multiple relay 2 plug
spare, 3 pole connector, relay 2, fc300



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



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



130B1411
Front cover right without option



130B1941
Power Card 15kW 500V for frame B3

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

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Spare Parts



134B1726

Control Card with safe stop for FC-302

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
NOTE:
The MKII control cards are backward compatible to the old cards but will



134B1979

Accessory bag for framesize B3

Accessory bag for framesize B3



134B7249

Ext. Fan ass 120x120x38mm coated B3,H10

Ext. Fan ass 120x120x38mm coated B3,H10



130B1384

acc. bag multipack 5 pcs frame B3

Krones acc. bag multipack 5pcs for B3-frame.

Image coming soon

134B5998

24 pole jumper/2 connector jumper

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

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Services



131F8422

FC-302P15KT5E20H1BGCXXXSXXXXAXBXCXXXXDX

Frequency converter
FC-302P15KT5E20H1BGCXXXSXXXXAXBXCXXXXDX
VLT® AutomationDrive FC-302
(P15K) 15 KW / 20 HP, Three phase
380 - 500 VAC, (E20) IP20 / Chassis
(H1) RFI Class A1/B (C1)
Brake chopper
Graphical Loc. Cont. Panel
Coated PCB, No Mains Option
Latest release std. SW.
No A Option, No B Option
No C1 option, No D option
Frame: B3
Other options according to Model code

Model code: FC-302P15KT5E20H1BGCXXXSXXXXAXBXCXXXXDX

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.
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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

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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

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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.
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Services



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



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



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.

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

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Services

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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