



134F7126

FC-202N132T4E20H2XGC7XXSXXXXAXBXXXXDX

Frequency converter
 FC-202N132T4E20H2XGC7XXSXXXXAXBXXXXDX
 VLT® AQUA Drive FC-202
 (N132) 132 KW / 200 HP, Three phase
 380 - 480 VAC, (E20) IP20 / Chassis
 RFI Filter
 No brake chopper
 Graphical Loc. Cont. Panel
 Coated PCB, Fuse
 Latest release std. SW.
 No A Option, No B Option
 No C1 option, No D option
 Frame: D3H
 Other options according to Model code

Model code: FC-202N132T4E20H2XGC7XXSXXXXAXBXXXXDX

Danfoss VLT® AQUA Drive is dedicated to water and wastewater applications. With a wide range of powerful standard and optional features, the VLT® AQUA Drive provides the lowest overall cost of ownership for water and wastewater applications.

[View Efficiency Data](#)

PRODUCT DETAILS

Gross weight		72 kg
Net weight		67 kg
Volume		0 l
EAN		5710107473854
Sales restriction control		
Matr grp for sales restriction	0001	No grouping
VLT® AQUA DRIVE FC 200 SERIES		
Product View (Switch)	GLBL	Global (Standard)
Product Group	FC-	VLT® AQUA Drive FC-
Series	202	202
Power Rating	N132	(N132) 132 KW / 200 HP
Phase	T	Three phase
Mains Voltage	4	380 - 480 VAC
Enclosure	E20	(E20) IP20 / Chassis
RFI Filter	H2	RFI Filter
Brake - Safe Stop	X	No brake chopper
LCP	G	Graphical Loc. Cont. Panel
Coating PCB	C	Coated PCB
Mains Option	7	Fuse
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

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Product Detail | FC-202N132T4E20H2XGC7XXSXXXAXBXCXXXXDX

PRODUCT DETAILS

B Option	BX	No B Option
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	D3H	D3H
Typecode Part 1		FC-202N132T4E20H2XGC
Typecode Part 2		7XXSXXXAXBXCXXXXDX
Product Catalog	NO_VIEW	NO VIEW
Power 180% (HO) [KW]		NV
Power 160% (HO) [KW]		NV
Power 150% (HO) [KW]		110
Power 110% (NO) [KW]		132
Height [mm]		909,0
Height w/ Regen/Loadshare [mm]		1004,0
Width w/ no C options [mm]		250,0
Depth [mm]		375,0
Depth with Option A/B [mm]		375,0
kVA		180
Power Loss NO [W]		2954
Power Loss NO [W]		2724
Power Loss HO [W]		2289
Power Loss HO [W]		2051
Continuous Current (NO) [A]		260
Intermittent Current (NO) [A]		286
Continuous Current (NO) [A]		240
Intermittent Current (NO) [A]		264
Continuous Current (HO) [A]		212
Intermittent Current (HO) [A]		318
Continuous Current (HO) [A]		190
Intermittent Current (HO) [A]		285
Calculated Gross Weight		62.3
Calculated Net Weight [kg]		62
Material Gross Weight		72
Material Net Weight		67
Vendor	ERR01	Cannot Determine Vendor
Recommended Factory	ERR01	Cannot Determine Vendor
Modelcode01		FC-202N132T4E20H2XGC
Modelcode02		7XXSXXXAXBXCXXXXDX

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

Accessories

Image
coming
soon

176F3627 [🔗](#)

Cooling Kit, in btm/ out top, 1800, D3h

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Accessories

Image
coming
soon**176F3625** **Cooling Kit, in back/ out back, D3h**Image
coming
soon**176F3648** **Cooling Kit, in back/out back, D1h**Image
coming
soon**176F3633** **Cooling Kit, in back/out back, D3h**

kit, cooling, in back out back, 3r, d3h

Image
coming
soon**176F3629** **Cooling Kit, in btm/out top, 2000mm, D3h**Image
coming
soon**176F3409** **Adapter Plate, D1h/D3h**

VLT® drive replace adptr plate d1h d3h

**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

**130B1243** **VLT® Analog I/O Option MCB 109, coated**

I / O extension for FC 100, easy to retrofit thanks to modular technology.

Analog inputs / outputs galvanically isolated.

Expands the analog inputs / outputs by:

3 analog inputs: 0 ... 10V / Pt1000 / Ni1000

3 analog outputs: 0 ... 10V

Time switch (RTC backup): lithium cell for 10 years

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

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Accessories



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.

Image coming soon

130B1218

VLT® Ext. Cascade Contr. MCO 101, ctd

Upgrades the built-in cascade controller to control multiple pumps

- easy to mount via plug 'n' play
- More advanced pump control in master / follower mode
- Up to 6 pumps in standard cascade control
- Up to 5 pumps in master / follower setup

This MCO option, sits in a B option space.
Danfoss can offer help with programming / setting up MCO options.
Contact Danfoss for advice and prices.
Product group: R



130B1254

VLT® Adv. Cascade Contr. MCO 102, ctd

Upgrades the built-in cascade controller to control up to 8 pumps

- More advanced pump control in master / follower mode
- The same cascade management hardware applies to the entire power range up to 1.2 MW
- Up to 8 pumps in standard cascade control
- Up to 8 pumps in master / follower setup

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

- 130B7530 - Mounting kit for enclosures A2 and A3
- 130B1413 - Mounting kit for enclosure B3
- 130B7532 - Mounting kit for enclosure A5
- 130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3excepted)

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



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.

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

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Accessories

**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

**130B1208** [🔗](#)**VLT® 24V DC Supply MCB 107, coated**

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.

**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 [🔗](#)
opt.control,24v, multipack 5 pcs.



130B1386 [🔗](#)
VLT® Profibus DP V1 MCA 101, ctd, 5pcs



130B1385 [🔗](#)
VLT® Profibus DP V1 MCA101, unctd 5pcs



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.

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Accessories

**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.

**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

**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 [🔗](#)

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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
-

Image
coming
soon

130B1118 [🔗](#)**VLT® Ext. Cascade Contr. MCO 101,unctd****130B1117** [🔗](#)**LCP Mounting Kit, w/ no LCP**

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

**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

**130B1154** [🔗](#)**VLT® Adv. Cascade Contr. MCO 102, ctd**

Easy to fit. Upgrades built-in cascade controller to operate up to 8 pumps and provide more advanced pump control in master/follower mode. Supports combination of multiple variable speed and fixed speed pumps, as well as configurations with pumps of differing capacity (mixed pump control). The additional 7 digital inputs and the 24-V DC connection to the drive enable flexible adaptation to the application. The same cascade controller hardware is compatible with the entire power range up to 2 MW.

**130B1143** [🔗](#)**VLT® Analog I/O Option MCB 109, unctd**

I / O expansion for FC 100, through modular technology easy to retrofit. Analog inputs/outputs galvanically isolated.

Expands the analog inputs / outputs by:

3 analog inputs: 0 ... 10V / Pt1000 / Ni1000

3 analog outputs: 0 ... 10V

Time switch (RTC backup): lithium cell for 10 years

**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

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

10pcs RS485 connectors for FC-series.

Product group: R

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Accessories

**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

**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****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

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Accessories

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

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

176F6760

KIT,DUCT,IN-BOTTOM/OUT-TOP,D3H

Image coming soon

176F3812

KIT,MULTI WIRE,MOTOR,BB,D1H,D3H,P454

Image coming soon

176F3854

KIT,MULTI WIRE,MAINS,BB,D1H/D3H,P454

KIT,MULTI WIRE,MAINS,BB,D1H/D3H,P454

Image coming soon

176F6770

KIT, COMMON MODE, T5/50M, P454

Image coming soon

176F3520

kit,cooling,in back out back,ss,weld,d3h

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Accessories

Image
coming
soon**176F3521** [🔗](#)**kit,cooling,in back out back,3r,weld,d3h**Image
coming
soon**176F3522** [🔗](#)**kit,cooling,in bottom out back,d1h d3h****130B0295** [🔗](#)**Accessory bag with control card plugs**Image
coming
soon**176F4055** [🔗](#)**USB service port extension D3h, E3h, E4h****176F3881** [🔗](#)**FC302 Standard Spare Pkg 250kW T5**

1 Qty 176F3159 Inrush Card NO 110-315kW 400V

1 Qty 176F3145 Power Card NO 315kW 380-500V

1 Qty 134B1726 Control Card for FC-302

Image
coming
soon**130B4847** [🔗](#)**extension cable for lcp+communication****134B8814** [🔗](#)**VLT® PROFINET MCA120 coated 5pcs****134B8492** [🔗](#)**TRANSDUCER 0-50G, 4-20MA****134B8493** [🔗](#)**CBM Transducer 0-25mm/s RMS 4-20mA****134B8494** [🔗](#)**Transducer w, temp 0-25mm/s RMS 4-20mA**

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

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Accessories



134B8496 [🔗](#)
Cable assy 10m, straight socket connetc.

Image coming soon

134B8497 [🔗](#)
Cable assy, M12 female connec.10m screen

Spare Parts

Image coming soon

176F3549 [🔗](#)
Cover DC Link Coil Small Dh Frame



176F3544 [🔗](#)
DC Link Coil small Dh Frame 140uH



176F3540 [🔗](#)
Heatsink fan cover Dh Frames



176F4709 [🔗](#)
Repair Kit, NG D-Frame, T4/T5, 90kW-160kW

Image coming soon

176F3761 [🔗](#)
Loadshare Retrofit Kit for D4h Frame

Image coming soon

176F3760 [🔗](#)
Loadshare Retrofit Kit for D3h Frame



176F3331 [🔗](#)
Cable Gate Drive to Inrush D1h/D3h

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

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Spare Parts

**176F3328** [🔗](#)**Cable Power Card to Gate Drive D1h/D3h****176F3326** [🔗](#)**Cable Power Card to HF/RFI D1h/D3h****176F3322** [🔗](#)**Cable Power Card to CT D1h-D3h**

For use on drives produced in week 50, 2015 or earlier.

**176F3320** [🔗](#)**Cable Power Card to Door Fan D1h/D3h**Image
coming
soon**176F3390** [🔗](#)**Front Cover IP20 D3h enclosure****176F3388** [🔗](#)**Cradle for LCP D1h/D3h enclosure****176F3358** [🔗](#)**Bus Bar mains, fuse, no RFI D1h/D3h**

Bus Bar mains, fuse, no RFI D1h/D3h

**176F3357** [🔗](#)**Bus Bar mains, no fuse, no RFI D1h/D3h****176F3356** [🔗](#)**Bus Bar motor terminals U,V,W D1h/D3h**

For use on drives produced in week 50, 2015 or earlier.

**176F3355** [🔗](#)**Insulation Motor Terminals D1h/D3h****For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Spare Parts



176F3354 [🔗](#)
Insulation Mains Terminals D1h/D3h



176F3351 [🔗](#)
Air Baffle D3h frame



176F3350 [🔗](#)
Bus Bar Assembly CAP Bank 400V D1h/D3h
 To be used on the following frame sizes
 D-frame: Drives produced before week 18, 2018 with production site "H" indicated by the character preceding the last 3 characters of the serial number (H188)



176F3349 [🔗](#)
Bracket Gate Drive Support D1h/D3h



176F3348 [🔗](#)
Bracket Inrush Support D1h/D3h



176F3347 [🔗](#)
Busbar Current Sensor D1h/D3h - 300A
 For use on drives produced in week 50, 2015 or earlier.



176F3346 [🔗](#)
Bus Bar Assembly SCR to DC coil D1h/D3h



176F3345 [🔗](#)
Cable Clamp 45mm Dh Frame



176F3341 [🔗](#)
Bus Bar IGBT AC output D1h/D3h



176F3340 [🔗](#)
Bus Bar DC- Inductor to CAP Bank D1h/D3h

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Spare Parts

**176F3339** [🔗](#)**Bus Bar DC+ Inductor to CAP Bank D1h/D3h****176F3338** [🔗](#)**Bus Bar SCR AC Input D1h/D3h****176F3333** [🔗](#)**Cable Inrush to SCR Gate D1h/D3h****176F3363** [🔗](#)**IGBT Dual Module 450amp T4/T5 Drive****176F3360** [🔗](#)**Bus Bar mains, fuse, RFI D1h/D3h****176F6634** [🔗](#)**CAPACITOR T5**

To be used on the following frame sizes

D-frame: Drives produced during or after week 18, 2018 with production site "H" indicated by the character preceding the last 3 characters of the serial number (H188)

E-frame: Any datecode

**176F8342** [🔗](#)**Current sensor 300AMP**

For use on drives produced in week 50, 2015 or earlier.

**176F8323** [🔗](#)**IGBT snubber CAP 1000V 1.5UF**Image
coming
soon**176F8318** [🔗](#)**Rectifier SCR 181A 1600V****176F6519** [🔗](#)**Cable Power Card to CT D1h-D3h**

For use on drives produced in week 51, 2015 or later.

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Spare Parts

**176F6516** [🔗](#)**300A Current Sens. Conv. Kit - D1h / D3h**

Spare part for VLT: 300A Current Sensor Conversion Kit - D1 Frame

**176F6515** [🔗](#)**Current Sensor 300Amp**

For use on drives produced in week 51, 2015 or later.

Image
coming
soon**176F6502** [🔗](#)**Enclosure Left Side D3h**Image
coming
soon**176F6449** [🔗](#)**Top Plate D3h****176F3183** [🔗](#)**Cable Control Card to Power Card D1h D3h****176F3181** [🔗](#)**Cable LCP to Control Card D1h D3h****176F3177** [🔗](#)**Cable IGBT Temp to Gate PCA D1h D3h****176F3175** [🔗](#)**Cable IGBT Gate Signal D1h D3h****176F3171** [🔗](#)**Fuse 350A 700V Square Body****176F3165** [🔗](#)**Mixing Fan DC 40x28****For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Spare Parts



176F3164 [🔗](#)
Heatsink Fan DC 172x51



176F3163 [🔗](#)
DC Bus CAP 4700uF 450V single in housing
To be used on the following frame sizes
D-frame: Drives produced before week 18, 2018 with production site "H"
indicated by the character preceding the last 3 characters of the serial
number (H188)



176F3135 [🔗](#)
Power Card NO 132kW 380-480V
Power Card No. 132kW 380-480V



176F3161 [🔗](#)
BALANCE/HF CARD NO 110-560KW 400V



176F3160 [🔗](#)
Gate Drive Card NO 110-315kW 400V



176F3159 [🔗](#)
Inrush Card NO 110-315kW 400V



176F3154 [🔗](#)
CURRENT SCALING CARD 3.82 OHM

Image
coming
soon

176F8430 [🔗](#)
Cable Clamp for frame size D & E



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

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

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Spare Parts



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



134B1732 [🔗](#)
Control Card w/o safe stop for FC-202
 NOTE:
 The MKII control cards are backward compatible to the old cards but will only work with SW equal or higher than 3.24. If your drive has a customer specific software or a brand labeled software version please order the old control card MKI, PN: 130B1168



176F3166 [🔗](#)
Top Fan IP20 DC 80x25

Image coming soon

176F3797 [🔗](#)
AF-6h, Heatsink Fan DC 172x51

Image coming soon

176F6765 [🔗](#)
Bus Bar Assy Capbank Twist 400V D1h/D3h
 To be used on the following frame sizes
 D-frame: Drives produced during or after week 18, 2018 with production site "H" indicated by the character preceding the last 3 characters of the serial number (H188)

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Spare Parts

**176F3883** [🔗](#)**FC102-302 Maintenance Pkg D3h-D4h**

- 1 Qty 176F3164 Heatsink Fan DC 172x51 48VDC
- 1 Qty 176F3165 MIXING FAN DC 40X28 24VDC
- 1 Qty 176F3166 Top Fan IP20 DC 80x25 48VDC
- 1 Qty 176F3167 Top fan IP20 DC 80x38 48VDC

**176F6692** [🔗](#)**tool, capacitor removal/installation****132Z0066** [🔗](#)**FC202 Std. Spare Package 132kW T4 no Safe**

- 1 Qty 176F3159 Inrush Card NO 110-315kW 400V
- 1 Qty 176F3135 POWER CARD NO 132kW 380-480V
- 1 Qty 134B1732 Control Card w/o safe stop for FC-202

**132Z0068** [🔗](#)**FC202 Adv. Spare Package 132kW T4 no Safe**

- 1 Qty 176F3159 Inrush Card NO 110-315kW 400V
- 1 Qty 176F3135 POWER CARD NO 132kW 380-480V
- 1 Qty 134B1732 Control Card w/o safe stop for FC-202
- 3 Qty 176F3363 IGBT DUAL MODULE 600A, T4/T5
- 3 Qty 176F8318 Rectifier SCR 181A 1600V

Image
coming
soon**176F6769** [🔗](#)**Thermal Grease - Pack of 5**Image
coming
soon**176F4055** [🔗](#)**USB service port extension D3h, E3h, E4h**

Services

**130R1153** [🔗](#)**DrivePro ExWarr Work Shop PG06 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

**130R1156** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1152** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1154** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1155** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1151** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1150** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

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Services

**130R1157** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1158** [🔗](#)**DrivePro ExWarr Work Shop PG06 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.

**130R1057** [🔗](#)**DrivePro ExWarr Onsite PG06 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.

**130R1056** [🔗](#)**DrivePro ExWarr Onsite PG06 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.

**130R1050** [🔗](#)**DrivePro ExWarr Onsite PG06 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.

**130R1058** [🔗](#)**DrivePro ExWarr Onsite PG06 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.

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Services

**130R1055** [🔗](#)**DrivePro ExWarr Onsite PG06 54 months**

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**130R1053** [🔗](#)**DrivePro ExWarr Onsite PG06 42 months**

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**130R1054** [🔗](#)**DrivePro ExWarr Onsite PG06 48 months**

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**130R1052** [🔗](#)**DrivePro ExWarr Onsite PG06 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.

**130R1051** [🔗](#)**DrivePro ExWarr Onsite PG06 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.

**130R1325** [🔗](#)**DrivePro SU + ctr interface test D & E**

DrivePro Start-Up Control interface testing medium frame unit

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Services

**130R1322** **DrivePro SU + special applications D & E**

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.

**130R1315** **DrivePro Start-Up 1 day on-demand medium**

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

**130R1314** **DrivePro Start-Up 1 day pre-order medium**

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.

**130R1306** **DrivePro Start-Up unit on-demand medium**

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

**130R1305** **DrivePro Start-Up unit pre-order medium**

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

130R1382 **DrivePro Start-Up ½ day pre-order medi**

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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Services

Image
coming
soon

130R1383 [🔗](#)

DrivePro Start-Up ½ day on-demand medi

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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