

**136N3197****FC-302N160T5E5MH2XGC7XXSXXXXANBKXXXXD0**

Frequency converter
 FC-302N160T5E5MH2XGC7XXSXXXXANBKXXXXD0
 VLT® AutomationDrive FC-302
 (N160) 160 KW / 250 HP, Three phase
 380 - 500 VAC, IP54/Type 12+main shield
 RFI Filter
 No brake chopper
 Graphical Loc. Cont. Panel
 Coated PCB, Fuse
 Latest release std. SW.
 EtherNet/IP MCA 121, MCB-101 General purp. I/O
 No C1 option, MCB-107 24V DC backup
 Frame: D2H
 Other options according to Model code

Model code: FC-302N160T5E5MH2XGC7XXSXXXXANBKXXXXD0

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		123 kg
Net weight		108 kg
Volume		0 l
EAN		5710108909796
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	N160	(N160) 160 KW / 250 HP
Phase	T	Three phase
Mains Voltage	5	380 - 500 VAC
Enclosure	E5M	IP54/Type 12+main shield
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	AN	EtherNet/IP MCA 121
B Option	BK	MCB-101 General purp. I/O

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Product Detail | FC-302N160T5E5MH2XGC7XXSXXXXANBKXXXXD0

PRODUCT DETAILS

C0 Option MCO	CX	No C0 option
C1 Option	X	No C1 option
C Option Software	XX	No software option
D Option	D0	MCB-107 24V DC backup
Frame Size	D2H	D2H
Typocode Part 1		FC-302N160T5E5MH2XGC
Typocode Part 2		7XXSXXXXANBKXXXXD0
Product Catalog	NO_VIEW	NO VIEW
Power 180% (HO) [KW]		NV
Power 160% (HO) [KW]		NV
Power 150% (HO) [KW]		160
Power 110% (NO) [KW]		200
Height [mm]		1060,0
Height w/ Regen/Loadshare [mm]		NV
Width w/ no C options [mm]		420,0
Depth [mm]		378,0
Depth with Option A/B [mm]		378,0
kVA		218
Continuous Current (NO) [A]		395
Intermittent Current (NO) [A]		435
Continuous Current (NO) [A]		361
Intermittent Current (NO) [A]		397
Continuous Current (HO) [A]		315
Intermittent Current (HO) [A]		472
Continuous Current (HO) [A]		302
Intermittent Current (HO) [A]		453
Calculated Gross Weight [kg]		125.3
Calculated Net Weight [kg]		125
Material Gross Weight		123
Material Net Weight		108
Vendor	ERR01	Cannot Determine Vendor
Modelcode01		FC-302N160T5E5MH2XGC
Modelcode02		7XXSXXXXANBKXXXXD0

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

Accessories

Image
coming
soon**176F3527** [🔗](#)**kit,cooling,in bottom out back,d2h d4h**Image
coming
soon**176F3533** [🔗](#)**kit,cooling,in-back/out-back,pedstl,d2h**

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

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Accessories

Image
coming
soon**176F3649** **Cooling Kit, in back/out back, D2h**Image
coming
soon**176F3632** **Pedestal Kit, 400mm, D2h**

Sub-base kit, H 400 mm for VLT FC New Generation
D-Frame, housing size D2h. For use with floor
installation / assembly of the VLT in IP21 / 54.
Contains components / assembly parts and fastening material

Image
coming
soon**176F3410** **Adapter Plate, D2h/D4h**

VLT® drive replace adptr plate d2h d4h

Image
coming
soon**176F6340** **VLT® Mains Shield Kit D2H Framesize****130B7635** **VLT® Lift Controller MCO 361**

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

**130B7145** **VLT® SALT Controller MCO 360**

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

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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

**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)

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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



130B1170 [🔗](#)

LCP Panel Mounting Kit

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



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.

**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.

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

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Accessories



130B1134 [🔗](#)

VLT® Motion Control MCO 305, uncoated

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

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

Contains:

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

10 digital inputs

8 digital outputs

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

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

130B7530 - Mounting kit for enclosures A2 and A3

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

130B1413 - Mounting kit for enclosure B3

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

130B7532 - Mounting kit for enclosure A5

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

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

Product group: R



130B1129 [🔗](#)

LCP Mounting Kit FC IP55/66, 8m

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



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.



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.

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Accessories



130B1113 [🔗](#)

lcp panel kit/fc300 fg-lcp panel kit

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



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)

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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.



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

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Accessories

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

10pcs RS485 connectors for FC-series.
Product group: R

**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****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

Image coming soon

130B6447 [🔗](#)

VLT® Safety Option MCB 141

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

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Accessories

**130B1266** [🔗](#)**VLT MCB 115 Programmable I/O, coated**

VLT® MCB 115 programmable I / O, coated

**134B6544** [🔗](#)**Real Time Clock D slot option MCB117**

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

VLT® HVAC Drive FC 102

VLT® Refrigeration Drive FC 103

VLT® Aqua Drive FC 202

VLT® Automation Drive FC 301/FC 302

Note: This option is compatible only with MK-II control cards & upto 90

KW supporting A,B & C Frames.

Image
coming
soon**176F3810** [🔗](#)**KIT,MULTI WIRE,MOTOR,BB,D2H,D4H,P454**Image
coming
soon**176F3818** [🔗](#)**KIT, MULTI WIRE, D2H, P454**Image
coming
soon**176F3855** [🔗](#)**KIT,MULTI WIRE,MAINS,BB,D2H/D4H,P454**Image
coming
soon**176F6770** [🔗](#)**KIT, COMMON MODE, T5/50M, P454****130B0295** [🔗](#)**Accessory bag with control card plugs**Image
coming
soon**134B1970** [🔗](#)**Accessory bag for Ethernet****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

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Accessories

Image
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soon**130B4847** [🔗](#)**extension cable for lcp+communication**Image
coming
soon**176F3811** [🔗](#)**KIT, COMMON MODE, T5/100M or T7, P454****134B8492** [🔗](#)**Transducer 0-10g, 4-20mA; HS-22B50****134B8493** [🔗](#)**CBM Transducer 0-25mm/s RMS 4-20mA****134B8494** [🔗](#)**Transducer w, temp 0-25mm/s RMS 4-20mA****134B8496** [🔗](#)**Cable assy 10m, straight socket connetc.**Image
coming
soon**134B8497** [🔗](#)**Cable assy, M12 female connec.10m screen**

Spare Parts

Image
coming
soon**176F3548** [🔗](#)**Cover DC Link Coil Large Dh Frame**

Cover DC Link Coil Large Dh Frame

**176F3540** [🔗](#)**Heatsink fan cover Dh Frames****For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Spare Parts

Image
coming
soon**176F3482** **Mains Shield D2h Frame****176F3752** **300A Current Sens. Conv. Kit - D2h / D4h****176F3329** **Cable Power Card to Gate Drive D2h/D4h****176F3327** **Cable Power Card to HF/RFI D2h/D4h**

Cable Power Card to HF/RFI D2h/D4h

**176F3325** **Cable DC bus to Power Card D2h/D4h****176F3323** **Cable Power Card to CT D2h/D4h**

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

**176F3321** **Cable Power Card to Door Fan D2h/D4h****176F3319** **Cable Control Card to Power Card D2h/D4h****176F3386** **Bus Bar Assembly CAP Bank 400V D2h/D4h**

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)

**176F3427** **IGBT Snubber CAP 1250V 1.0uF wide mount**

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

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Spare Parts



176F3353 [🔗](#)
Door Fan Filter Dh Frame Package of 10



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



176F3344 [🔗](#)
Bracket Gate Drive Support D2h/D4h



176F3342 [🔗](#)
Air Baffle D2h frame



176F3336 [🔗](#)
Cable Inrush to SCR Gate D2h/D4h



176F3332 [🔗](#)
Cable Gate Drive to Inrush D2h/D4h



176F3385 [🔗](#)
Busbar Current Sensor D2h/D4h - 500A
For use on drives produced in week 2, 2016 or earlier.



176F3384 [🔗](#)
Bus Bar IGBT AC Output D2h/D4h



176F3383 [🔗](#)
Bus Bar DC- Inductor to CAP Bank D2h/D4h



176F3382 [🔗](#)
Bus Bar DC+ Inductor to CAP Bank D2h/D4h

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

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Spare Parts

**176F3381** [🔗](#)**Bus Bar DC- SCR to DC Coil D2h/D4h**

Bus Bar DC- SCR to DC Coil D2h/D4h

**176F3380** [🔗](#)**Bus Bar DC+ SCR to DC Coil D2h/D4h**

Bus Bar DC+ SCR to DC Coil D2h/D4h

**176F3378** [🔗](#)**Bus Bar SCR DC Output small D2h/D4h**

Used on the below listed drives built after week 27 of 2012.

FC-302 N200 T5

FC-102 N250 T4

FC-202 N250 T4

For drives of the above listed sizes built before week 27 of 2012 use

176F3379. See Product Note 185 for more information.

**176F3376** [🔗](#)**Bus Bar SCR AC Input small D2h/D4h**

Used on the below listed drives built after week 27 of 2012.

FC-302 N200 T5

FC-102 N250 T4

FC-202 N250 T4

For drives of the above listed sizes built before week 27 of 2012 use

176F3377. See Product Note 185 for more information.

**176F3375** [🔗](#)**Door Vent Kit IP21/IP54****176F3374** [🔗](#)**Bus Bar Mains, Fuse, RFI D2h/D4h****176F3372** [🔗](#)**Bus Bar Mains, Fuse, no RFI D2h/D4h****176F3371** [🔗](#)**Bus Bar Mains, no Fuse, no RFI D2h/D4h**

Bus Bar Mains, no Fuse, no RFI D2h/D4h

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

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Spare Parts

**176F3370** [🔗](#)**Insulation Motor Terminals D2h/D4h**

Insulation Motor Terminals D2h/D4h

**176F3369** [🔗](#)**Insulation Mains Terminals D2h/D4h****176F3368** [🔗](#)**Bus Bar Motor Terminals U,V,W D2h/D4h****176F3364** [🔗](#)**IGBT Dual Module 600amp T4/T5 Drive****176F3361** [🔗](#)**Bracket Inrush Support D2h/D4h****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.

Image
coming
soon**176F6757** [🔗](#)**Busbar Current Sensor D2h/D4h - 300A LEM**Image
coming
soon**176F5742** [🔗](#)**Gland Plate D2h Frame**Image
coming
soon**176F5735** [🔗](#)**Front Cover IP21/IP54 D2h enclosure****For more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)

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Spare Parts



176F5721 [🔗](#)
DC Link Coil large Dh Frame 98uH



176F6515 [🔗](#)
Current Sensor 300Amp
For use on drives produced in week 51, 2015 or later.



176F6520 [🔗](#)
Cable Power Card to CT D2h/D4h
For use on drives produced in week 51, 2015 or later.



176F3178 [🔗](#)
Cable IGBT Temp to Gate PCA D2h D4h



176F3176 [🔗](#)
Cable IGBT Gate Signal D2h D4h



176F3173 [🔗](#)
Fuse 550A 700V Square Body



176F3169 [🔗](#)
Door Fan IP21/54 DC 120x38



176F3167 [🔗](#)
Top Fan IP20 DC 80x38



176F3165 [🔗](#)
Mixing Fan DC 40x28



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

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Spare Parts

**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)

**176F3162** [🔗](#)**IGBT Snubber CAP 1000V 1.5uF wide mount****176F3161** [🔗](#)**BALANCE/HF CARD NO 110-560KW 400V****176F3160** [🔗](#)**Gate Drive Card NO 110-315kW 400V****176F3159** [🔗](#)**Inrush Card NO 110-315kW 400V****176F3156** [🔗](#)**Current Scaling Card 2.56 Ohm 400V****176F3143** [🔗](#)**Power Card NO 200kW 380-500V**

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**

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Spare Parts

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

VLT® DeviceNet converter MCA194 coated

**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.

**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

**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.

**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**

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

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Spare Parts

**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

**134B1726** [🔗](#)**Control Card with safe stop for FC-302**

NOTE:

The MKII control cards are backward compatible to the old cards but will only work with SW equal or higher than 8.12. If your drive has a customer specific software or a brand labeled software version please order the old control card MKI PN: 130B1109

Image
coming
soon**134B1970** [🔗](#)**Accessory bag for Ethernet**Image
coming
soon**176F6767** [🔗](#)**Bus Bar Assy Capbank Twist 400V D2h/D4h**

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)

**176F3886** [🔗](#)**FC102-302 Maintenance Pkg D2H**

1 Qty 176F3164 Heatsink Fan DC 172x51 48VDC

1 Qty 176F3165 MIXING FAN DC 40X28 24VDC

1 Qty 176F3169 Door Fan IP21/54 DC 120x38

**176F3877** [🔗](#)**FC302 Standard Spare Pkg 160kW T5**

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

1 Qty 176F3143 POWER CARD NO 200kW 380-500V

1 Qty 134B1726 Control Card for FC-302

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

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Spare Parts

Image
coming
soon**176F3878** **FC302 Advanced Spare Pkg 160kW T5**

1 Qty 176F3159 Inrush Card NO 110-315kW 400V
1 Qty 176F3143 POWER CARD NO 200kW 380-500V
1 Qty 134B1726 Control Card for FC-302
3 Qty 176F3364 IGBT Dual Module 600amp T4/T5 Drive
3 Qty 176F3859 Rectifier SCR/Diode 320A 1600V

**176F6692** **tool, capacitor removal/installation****134B5270** **Alu.Box 750x550x380 Drivepro spare part**Image
coming
soon**176F3859** **Rectifier SCR/Diode 320A 1600V**

Please refer to Product Note 337 before ordering to ensure correct parts are ordered.

Image
coming
soon**176F6769** **Thermal Grease - Pack of 5****134B7466** **Option A Ethernet Package**Image
coming
soon**176F4182** **Bsbr Crnt Sensor D2h/D4h - 300A LEM, HEX**

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

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Services



134H3265 [🔗](#)

FC-302N250T5E5MH4XGR7XXSXXXXXAXBKXXXXDX

Frequency converter
 FC-302N250T5E5MH4XGR7XXSXXXXXAXBKXXXXDX
 VLT® AutomationDrive FC-302
 (N250) 250 KW / 350 HP, Three phase
 380 - 500 VAC, IP54/Type 12+main shield
 RFI class A1 (C2)
 No brake chopper
 Graphical Loc. Cont. Panel
 Coated PCB 3C3 + Ruggedised, Fuse
 Latest release std. SW.
 No A Option, No B Option
 No C1 option, No D option
 Frame: D2H
 Other options according to Model code

Model code: FC-302N250T5E5MH4XGR7XXSXXXXXAXBKXXXXDX

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.



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.



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.

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Services

**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.

**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.

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Services

**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.

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

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

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

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

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

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

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Services



130R1054 [🔗](#)

DrivePro ExWarr Onsite PG06 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.



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.



DrivePro® Start-up

130R1325 [🔗](#)

DrivePro SU + ctr interface test D & E

DrivePro Start-Up Control interface testing medium frame unit



DrivePro® Start-up

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.

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Services

**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.

**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.

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Services

**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.

**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.

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Services

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.

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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