

**131B0072****FC-302P7K5T5E20H2BGXXXXXXXAXBXXXXX**

Frekans KVERTÖRÜ

FC-302P7K5T5E20H2BGXXXXXXXAXBXXXXX

VLT® AutomationDrive FC-302

7,5 kW / 10 HP, Trifaze

380 - 500 VAC, IP 20 / Şasi

RFI Sınıfı A2 (C3)

Fren kesici

Grafik Lokal Kontrol Panel

Kaplama PCB yok, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A3

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

**Model kodu:** FC-302P7K5T5E20H2BGXXXXXXXAXBXXXXX

VLT® AutomationDrive, tüm standart veya servo makinelerde ya da üretim hatlarında tam kapsamlı operasyon kontrolü sunan tek bir sürücü konsepti oluşturur.

**Verimlilik Verilerini Görüntüleme****PRODUCT DETAILS**

|                                    |               |                            |
|------------------------------------|---------------|----------------------------|
| Brüt ağırlık                       | 6.59 kg       |                            |
| Net ağırlık                        | 6.06 kg       |                            |
| Hacim                              | 27.246 l      |                            |
| EAN                                | 5702427094970 |                            |
| VLT® AUTOMATIONDRIVE FC 300 SERIES |               |                            |
| Ürün Görünümü (Anahtar)            | GLBL          | Global (Standart)          |
| Ürün Grubu                         | FC-           | VLT® AutomationDrive FC-   |
| Seri                               | 302           | 302                        |
| Güç Değeri                         | P7K5          | 7,5 kW / 10 HP             |
| Faz                                | T             | Trifaze                    |
| Şebeke Voltajı                     | 5             | 380 - 500 VAC              |
| Muhafaza                           | E20           | IP 20 / Şasi               |
| RFI Filtresi                       | H2            | RFI Sınıfı A2 (C3)         |
| Fren - Güvenli Duruş               | B             | Fren kesici                |
| LCP                                | G             | Grafik Lokal Kontrol Panel |
| Kaplamalı PCB                      | X             | Kaplamalı PCB yok          |
| Şebeke Opsiyonu                    | X             | Şebeke Seçeneği yok        |
| Uyarlama A                         | X             | Standart Kablo Girişleri   |
| Uyarlama B                         | X             | Uyarlama yok               |
| Yazılım Sürümü                     | SXXX          | Son sürüm std. yazılım     |
| Yazılım Dil Paketi                 | X             | Standart Dil Paketi        |
| A Opsiyonu                         | AX            | A Seçeneği Yok             |
| B Opsiyonu                         | BX            | B Seçeneği Yok             |
| C0 Opsiyonu MCO                    | CX            | C0 seçeneği yok            |
| C1 Opsiyonu                        | X             | C1 opsiyonu yok            |

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## Product Detail | FC-302P7K5T5E20H2BGXXXXSXXXXAXBXXXXDX

## PRODUCT DETAILS

|                                |         |                      |
|--------------------------------|---------|----------------------|
| C Opsiyon Yazılımı             | XX      | Yazılım seçeneği yok |
| D Opsiyonu                     | DX      | D seçeneği yok       |
| Kasa Boyutu                    | A3      | A3                   |
| Tür Kodu Parça 1               |         | FC-302P7K5T5E20H2BGX |
| Tür Kodu Parça 2               |         | XXXXXXXAXBXXXXDX     |
| Ürün Grubu                     | NO_VIEW | NO VIEW              |
| Güç %160 (HO) [KW]             |         | 7.5                  |
| Yükseklik [mm]                 |         | 268,0                |
| C opsiyonu olm. genişlik [mm]  |         | 130,0                |
| İki C opsiyonla genişlik [mm]  |         | 190,0                |
| Derinlik [mm]                  |         | 205,0                |
| A/B opsiyonu ile Derinlik [mm] |         | 220,0                |
| kVA                            |         | 11.1                 |
| Güç Kaybı HO [W]               |         | 225                  |
| Güç Kaybı HO [W]               |         | 225                  |
| Sürekli Akım (HO) [A]          |         | 16                   |
| Kesikli Akım (HO) [A]          |         | 25.6                 |
| Sürekli Akım (HO) [A]          |         | 14.5                 |
| Kesikli Akım (HO) [A]          |         | 23.2                 |
| Hesaplanan Brüt Ağırlık [kg]   |         | 6.59                 |
| Hes. Net Ağ. [kg]              |         | 6.06                 |
| ECCN EU                        |         | Y901                 |
| ECCN US                        |         | 3A999.a              |
| Satıcı                         | ERR01   | Satıcı Belirlenmiyor |
| Fabrika Tarafından Önerilen    | ERR01   | Satıcı Belirlenmiyor |
| Modelkodu01                    |         | FC-302P7K5T5E20H2BGX |
| Modelkodu02                    |         | XXXXXXXAXBXXXXDX     |
| Recommended Plant              |         | ERR01                |

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

## Aksesuarlar

Image  
coming  
soon

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

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

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## Aksesuarlar

**130B3280****VLT® Safe option MCB 150, kaplamalı**

Güvenlik modülleri; güvenliğini artırmak, sistem maliyetlerini düşürmek, esnekliği artırmak ve üretkenliği iyileştirmek için makinelerin operatörlerle akıllı bir şekilde etkileşimde bulunmasını sağlar.

VLT® MCB 15x Safe opsiyonları, IEC 61800-5-2 işlevsel güvenlik standardına uygunluk için akıllı, kullanıcı dostu bir çözüm sunar ve kablolamayı azaltmaya yardımcı olur.

Yeni güvenlik modülü; ISO 13849-1 uyarınca PL d Kategorisi 3 ve IEC 61508 uyarınca SIL 2 sertifikalıdır.

**130B7635****VLT® Lift Controller MCO 361**

Kaldırma uygulamasına yönelik özel yazılım içeren VLT® Motion Control MCO 305

**130B7531****C Seçeneği için Montaj Kiti, 60mm, A2/A3**

VLT® Mounting kit for enclosure sizes A2 and A3.

Must be used when retrofitting 1 pc. of the following MCO options, together with MCB 113 Extended relay card (Located in MCO slot):

MCO 305 Programmable Motion Controller

MCO 350 Synchronizing Controller

MCO 351 Positioning controller

MCO 360 Salt Controller

MCO 361 Lift Controller

Product group: R

**130B7530****Mounting Kit f. C Option, 40mm, A2/A3**

MCF 105 assembly kit A2 / A3 for C option



x10

**130B7401****NEMA 1 Conversion Kit, Top, 10 pcs, A3****130B7145****VLT® SALT Controller MCO 360**

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## Aksesuarlar

**130B9860****VLT® Safety Option MCB152, kaplamalı**

Güvenlik opsiyonları; güvenliği artırmak, sistem maliyetlerini düşürmek, esnekliği artırmak ve üretkenliği iyileştirmek için makinelerin operatörlerle akıllı etkileşimde bulunmasını sağlar.

VLT® Safety Option MCB 152, IEC 61800-5-2 işlevsel güvenlik standardına uygunluk için akıllı, kullanıcı dostu bir çözüm sunar ve kablolamayı azaltmaya yardımcı olur. MCB 152, tehlikenin meydana geldiği yerden bağımsız olarak Güvenli Tork Kapatma (STO) özelliğinin etkinleştirilmesini sağlar. Yeni güvenlik opsiyonu; ISO 13849-1 uyarınca PL d Kategorisi 3 ve EN IEC 61508 uyarınca SIL 2 sertifikalıdır.

VLT® Safety Option MCB 152, VLT® PROFINET MCA 120 haberleşme opsiyonu ile VLT® AutomationDrive'in kontrol kartının kombinasyonu bir PROFIsafe aygıt oluşturur.

**130B5646****VLT® EtherCAT MCA 124, kaplamalı**

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

**130B5645****Kaçak Akım İzleme Kiti, A2, A3****130B1235****VLT® PROFINET MCA 120, kaplamalı**

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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Aksesuarlar

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**130B1234** **VLT® Motion Control MCO 305, kaplamalı**

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 MCA113, kaplamalı**

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, kaplamalı**

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

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## Aksesuarlar

**130B1220****VLT® Safe PLC I/O MCB 108, kaplamalı**

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, kaplamalı**

EtherNet/IP; ticari kullanıma hazır Ethernet'i, DeviceNet'te bulunan aynı üst katman protokolü ve nesne modeli olan Ortak Endüstriyel Protokole (CIP™) genişletir. Hat topolojisi sağlayan ve harici anahtar ihtiyacını ortadan kaldıran dahili yüksek performanslı anahtar. Daha yüksek sistem kullanılabilirliği için Aygıt Düzeyinde Halka (DLR) topolojisi. CIP™ temelinde, DeviceNet'ten EtherNet/IP'ye geçiş sırasında PLC programının tekrar kullanılmasını mümkün kılar. Dahili web sunucusu uzaktan arıza tespiti ve temel sürücü parametrelerini okuma olanağı sağlar. E-posta bildirimi, uyarı veya alarm bilgilerine hızlı erişim sağlar. Gelişmiş ağ kullanımı için Tek Noktaya Yayın ve Çok Noktaya Yayın iletişimi. En yeni standarda uyum konusunda ODVA onaylı.

**130B1264****VLT® Extended Relay Card MCB 113, kplımlı**

Daha fazla esneklik için 7 dijital giriş ve 2 analog çıkış ekler. 4 SPDT röle. NAMUR tavsiyelerine uygundur. Galvanik izolasyon olanağı.

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## Aksesuarlar

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

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, kplmlı**

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****MCA101 Profibus Option DP V0/V1 FC300**

VLT® AutomationDrive'da VLT® 5000 komutlarını emüle eden özel bir PROFIBUS opsiyonları versiyonu.

VLT® 5000, VLT® AutomationDrive ile değiştirilebilir ya da PLC programında masraflı değişiklik yapmadan mevcut bir sistem genişletilebilir. Farklı bir haberleşmeye yükseltme için, kurulu olan konvertör kolayca çıkarılır ve yeni bir opsiyonla değiştirilir. Bu, esnekliğin azalmasına yol açmadan yatırımı korur. Opsiyon, DPV1'i destekler.

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## Aksesuarlar

**130B1196****VLT® Modbus TCP MCA 122**

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

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

**130B1172****VLT® Sensor Input Card MCB 114, kplasz**

Motordaki yatakların ve sargıların sıcaklığını izleyerek motoru aşırı ısınmaya karşı korur. 2 veya 3 telli PT100/PT1000 sensörler için üç adet otomatik algılamalı sensör girişi. Bir ek analog giriş 4-20 mA.

**130B1170****LCP Panel Montaj Kiti**

Kit; tespit elemanları ve conta içerir. LCP ve kablo içermez.

**130B1212****VLT® General Purpose I/O MCB 101, kplımlı**

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, kaplamalı**

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, kaplamalı**

Güç arızası sırasında kontrol bölümünü ve tüm kurulu opsiyonları çalışır durumda tutmak için harici bir DC beslemesi bağlayın. LCP'nin (parametre ayarı dahil) ve tüm kurulu opsiyonların şebeke bağlantısı olmadan tam olarak çalışmasını sağlar.

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## Aksesuarlar

**130B1205** **VLT® CAN Open MCA 105, kaplamalı**

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, kaplamalı**

Çeşitli tiplerde artımlı ve mutlak enkoderleri bağlama imkanı sağlar. Bağlı enkoder, kapalı çevrim hız kontrolünün yanı sıra kapalı çevrim motor akısı kontrolü için kullanılabilir.

**130B1202** **VLT® DeviceNet MCA 104, kaplamalı**

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

**130B1200** **VLT® Profibus DP V1 MCA 101, kaplamalı**

Geniş çaplı uyumluluk, yüksek düzeyde kullanılabilirlik, tüm büyük PLC sağlayıcıları için destek ve gelecekteki versiyonlarla uyumluluk sağlar. Hızlı, verimli iletişim, şeffaf kurulum, gelişmiş arıza bulma ve parametrelendirme ile GSD dosyası kullanarak süreç verilerinin otomatik konfigürasyonu. PROFIBUS DP-V1, -PROFIdrive veya Danfoss FC profili durum makineleri, PROFIBUS DP-V1, Master Sınıf 1 ve 2 kullanarak çevrimsiz parametrelendirme.

**130B1387** **MCB107 Extern 24VDC Option FC300****130B1386** **VLT® Profibus DP V1 MCA 101, kpl., 5 adt****130B1385** **VLT® Profibus DP V1 MCA101, kplmsz 5 adt****130B1383** **MCA101 Profibus Option DP V0/V1 FC300**

Krones acc. bag multipack 5pcs for A2/3-frame.

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## Aksesuarlar

**130B1272****VLT® Sensor Input Card MCB114, kaplamalı**

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, kaplamalı**

Otomasyona yönelik ilk endüstriyel Ethernet tabanlı protokol. Modbus-TCP tabanlı ağlara bağlanır.

Bağlantı aralığını her iki yönde 5 ms'ye kadar düşürebilmesi sayesinde, piyasadaki en hızlı çalışan

Modbus TCP aygıtları arasında yer alır. Master yedekliliği için iki master arasında çalışırken

değiştirebilme özelliği sunar.

**130B1164****VLT® Extended Relay Card MCB 113**

Daha fazla esneklik için 7 dijital giriş ve 2 analog çıkış ekler. 4 SPDT röle. NAMUR tavsiyelerine uygundur. Galvanik izolasyon olanağı.

**130B0185****Adaptör Plakası, 395x220 mm**

Adaptör plakası ile, FC sürücü için yeni delikler açmak zorunda kalmadan VLT® 5/6/8000'i bir FC sürücü ile değiştirebilirsiniz. Bu, VLT® 5/6/8000'i değiştirmeyi kolay ve hızlı hale getirir ve delik açılmayacağından elektrikli bileşenler için talaş hasarı söz konusu olmaz.

Aşağıdaki VLT® 5/6/8000, Adaptör Plakası 130B0185 üzerine monte edilebilir:

IP20 Kompakt: 200-240 Volt VLT5001-5006, 380/500 Volt VLT5001-5011

IP20/NM1: 200-240 Volt VLT6002-6005, 380/460 Volt VLT6002-6011, 380-480 Volt VLT8006-8011, 550-600 Volt VLT 5001-5011, 525-690 Volt VLT8002-8011

**130B0184****Adaptör Plakası, 395x130 mm**

Adaptör plakası ile, FC sürücü için yeni delikler açmak zorunda kalmadan VLT® 5/6/8000'i bir FC sürücü ile değiştirebilirsiniz. Bu, VLT® 5/6/8000'i değiştirmeyi kolay ve hızlı hale getirir ve delik açılmayacağından elektrikli bileşenler için talaş hasarı söz konusu olmaz.

Aşağıdaki VLT® 5/6/8000, Adaptör Plakası 130B0184 üzerine monte edilebilir:

IP20 Kitap: 200-240 Volt VLT5004-5006/VLT6004-6005, 380/500 Volt VLT5006-5011, 380-460 Volt VLT6006-6011

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## Aksesuarlar

**130B0058****Adaptör Plakası, 415x279 mm**

Adaptör plakası ile, FC sürücü için yeni delikler açmak zorunda kalmadan VLT® 3000'i bir FC sürücü ile değiştirebilirsiniz. Bu, VLT® 3000'i değiştirmeyi kolay ve hızlı hale getirir ve delik açılmayacağından elektrikli bileşenler için talaş hasarı söz konusu olmaz.

Bir VLT® 3000'in çıkarıldığı yere C Opsiyonu olan ya da olmayan bir FC sürücü monte edilebilir.

Aşağıdaki VLT® 3000, Adaptör Plakası 130B0058 üzerine monte edilebilir:

IP20: 220/380/500 Volt VLT3002-3004 (frenli), 380/500 Volt VLT3006-3008 (frensiz)

IP21: 220/380/500 Volt VLT3002-3004 (frenli), 380/500 Volt VLT3006-3008 (frensiz)

IP54: 220 Volt VLT3002-3004 (frensiz), 220 Volt VLT3004 (frenli), 380/500 Volt VLT3002-3004 (frenli), 380/500 Volt VLT3002-3006 (frensiz)

**130B1135****VLT® PROFINET MCA 120, kaplamasız**

MCA 120 PROFINET interface

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

**130B1134****VLT® Motion Control MCO 305, kaplamasız**

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

**130B1133****IP 21/Tip 1 dönüştürme kiti, üst, A3**

Bu kitin yalnızca üst parçasıdır. Hem üst hem de alt parçası olan bir kite ihtiyacınız varsa lütfen 130B1123 siparişi verin.

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## Aksesuarlar

**130B1127****VLT® Resolver Input MCB 103, kaplamasız**

Motordan hız geri bildirimi sağlamak için bir çözümleyici bağlanmasına olanak verir. Yaylı bağlantı.

**130B1125****VLT® General Purpose I/O MCB 101, kplmsz**

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, nümerik**

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.

**130B1123****IP 21/Tip 1 dönüştürme kiti, A3**

Cover for housing size A3, type 1 MCF 101 NEMA1 / IP21

**130B1120****VLT® Safe PLC I/O MCB 108, kaplamasız**

Connection converter for FC 300 with control input for a safe stop. Allows secure connection.

Output modules with diagnostic pulse (Cross-circuit monitoring).

**130B1119****VLT® EtherNet/IP MCA 121, kaplamasız**

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 Montaj Kiti, LCP'siz**

Kit; tespit elemanları, 3 m kablo ve conta içerir. LCP içermez.

**130B1115****VLT® Encoder Input MCB 102, kaplamasız**

Çeşitli tiplerde artımlı ve mutlak enkoderleri bağlama imkanı sağlar. Bağlı enkoder, kapalı çevrim hız kontrolünün yanı sıra kapalı çevrim motor akısı kontrolü için kullanılabilir.

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## Aksesuarlar

**130B1114****Nümerik LCP101 ile LCP Montaj Kiti, 3 m**

Kit; nümerik LCP, tespit elemanları, 3 m kablo ve conta içerir.

**130B1113****Grafik LCP102 ile LCP Montaj Kiti, 3 m**

Kit; grafik LCP, tespit elemanları, 3 m kablo ve conta içerir.

**130B1110****VLT® Relay Option MCB 105, kaplamasız**

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

**130B1153****VLT® Position Controller MCO351, kplmsz**

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, kplmsz**

Senkronizasyon uygulamalarında VLT® AutomationDrive'in işlev özelliklerini genişletir ve geleneksel mekanik çözümlerin yerini alır. Hız senkronizasyonu. İşaretçi düzeltmeli ya da düzeltmesiz konum (açı) senkronizasyonu. Çevrimiçi ayarlanabilir dişli oranı. Çevrimiçi ayarlanabilir konum (açı) ofseti. Birden fazla follower'ın senkronizasyonu için sanal master işlevine sahip enkoder çıkışı. G/Ç'ler veya haberleşme üzerinden kontrol. Giriş işlevi. Sürücünün Lokal Kontrol Paneli aracılığıyla konfigürasyon olanağının yanı sıra durum ve veri okuma.

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## Aksesuarlar

**130B1137****VLT® PTC Thermistor Card MCB 112, kplımlı**

ATEX: II (2) G [Ex eb Gb] [Ex db Gb] / II (2) D [Ex tb Db]

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****IP55/67 için Danfoss logolu LCP kör kpk.**

LCP Blindcover IP66

**130B1071****6 Kutuplu Konektör, FC serisi, (10 adet)**

6-pole spring cage connectors 10 pcs

**130B1070****RS485 fiş, FC serisi, (10 adet)**

10pcs RS485 connectors for FC-series.

Product group: R

**130B1108****VLT® 24V DC Supply MCB 107, kaplamasız**

Güç arızası sırasında kontrol bölümünü ve tüm kurulu opsiyonları çalışır durumda tutmak için harici bir DC beslemesi bağlayın. LCP'nin (parametre ayarı dahil) ve tüm kurulu opsiyonların şebeke bağlantısı olmadan tam olarak çalışmasını sağlar.

**130B1107****VLT® Control Panel LCP 102**

VLT Control Panel LCP 102

Düz metinli, aydınlatmalı grafik ekran.

Tüm dilleri ve metin karakterlerini destekler.

Kısa sürede devreye alma için hızlı menü.

Parametre grupları içim kaydetme ve kopyalama işlevi.

Tüm işlevler için çevrimiçi yardım.

**130B1103****VLT® CAN Open MCA 105, kaplamasız**

Yüksek esneklik ve düşük maliyetler için standart işleme ve birlikte çalışabilirlik. Hem sürücünün kontrolüne ve durumuna yüksek öncelikli erişim (PDO İletişim) hem de çevrimsiz veriler (SDO İletişim) üzerinden tüm parametrelere erişim ile tam donanım. Birlikte çalışabilirlik için, opsiyon, DSP402 AC sürücü profiline uygulanmıştır.

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## Aksesuarlar

**130B1102****VLT® DeviceNet MCA 104, kaplamasız**

Gelişmiş Üretici/Tüketici teknolojisi sayesinde güvenli ve verimli veri işleme. ODVA'nın güçlü uygunluk testi ilkeleri, ürünlerin birlikte çalışabilmesini ve G/Ç örneği 20/70.21/71 tarafından desteklenen AC sürücü profili mevcut sistemlerle uyumluluğu sağlar.

**130B1100****VLT® Profibus DP V1 MCA 101**

Geniş çaplı uyumluluk, yüksek düzeyde kullanılabilirlik, tüm büyük PLC sağlayıcıları için destek ve gelecekteki versiyonlarla uyumluluk sağlar. Hızlı, verimli iletişim, şeffaf kurulum, gelişmiş arıza bulma ve parametrelendirme ile GSD dosyası kullanarak süreç verilerinin otomatik konfigürasyonu. PROFIBUS DP-V1, -PROFIdrive veya Danfoss FC profili durum makineleri, PROFIBUS DP-V1, Master Sınıf 1 ve 2 kullanarak çevrimsiz parametrelendirme.

**130B1088****IP20/21 için Danfoss logolu LCP kör kpk.****130B1490****VLT® POWERLINK MCA 123, kaplamalı**

Haberleşmenin ikinci neslini temsil eder. Otomasyon dünyasında kullanılan BT teknolojilerinin gücünün tamamını fabrika dünyasının kullanımına sunmak için endüstriyel Ethernet'in yüksek bit hızı artık kullanılabilir.

**175U0088****Montaj braketleri: Ayak izi, A1****175U0086****Mont.: Brak.: Ayak izi, A3, 2fren rez için**

Back frame A3 for 2 brake resistors

**175Z0929****LCP Kablosu, 3 m**

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****Montaj braketleri kiti, 216 x 30 x 18 mm**

Mounting angle for flatpack resistor 200W

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## Aksesuarlar

**175N2584****VLT® EtherNet/IP MCA 121, kaplamalı**Image  
coming  
soon**134B5225****Uzak LCP ünitesi, 10 m**

Remote mounting kit for LCP with cover for outdoor mounting with 10 m (33 ft) cable

Image  
coming  
soon**134B5224****Uzak LCP ünitesi, 5 m**

Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16 ft) cable

**134B5223****Uzak Montaj Kiti LCP102, 3 m kablo ile**

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

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## Aksesuarlar

**130B1266****VLT® MCB 115 Programlanab. G/Ç, kplımlı**

VLT® MCB 115 programmable I / O, coated

**134B6544****Gerçek Zamanlı Saat Seçeneği D, kaplımlı**

Opsiyon yalnızca 90 kW'a kadar olan sürücülerde MKII kontrol kartları ile desteklenir ve çalışır.

**130B0295****Kontrol kartı girişli aksesuar çantası****130B1022****A2, A3 muh. boyutl. için aksesuar çant.**Image  
coming  
soon**134B1976****Aksesuar çantası, A1-A3 frenli**Image  
coming  
soon**130B4847****extension cable for Icp+communication****134B8814****VLT® PROFINET MCA120 coated 5pcs****134B8492****Transducer 0-10g, 4-20mA; HS-22B50****134B8493****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****For more information, please use this link to visit the product page on Danfoss Product Store**

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## Aksesuarlar

**134B8496** **CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.**Image  
coming  
soon**134B8497** **Cable assy, M12 female connec.10m screen**Image  
coming  
soon**134B6883** **VLT Progr. Contr. MCB 301, coated****134B9414** **Antifreeze Thermostat FS20, 0/+15C**

TWO-PHASE FROST PROTECTION THERMOSTATS FS-20-UW

Electronic frost protection thermostat or frost monitor with switching relay output, continuous temperature and valve output (summation output 0–10 V) and control and cascading output (0–10 V), optionally with connection for a heating element. A IP65 resistant plastic housing with display with the actual temperature, measuring range, overrange/underrange of the set switch point (frost protection temperature) and alarm indicator for "frost" or "error" (capillary breakage, overvoltage/undervoltage), quick-locking screws and a fully active sensor rod made of copper. The delivery scope includes a set of MK-05-K mounting clamps for expert attachment of the sensor rod.

Measuring range: 0...+15 °C / 32...+59 °F

Accuracy: typical  $\pm 1$  K (at +10 °C)

Sensor type: 3m Copper rod active along the entire sensor length, min. response length of 25 cm

Input: 1 x 0 -10 V control input DDC &amp; 1 x 0 -10 V cascading input

Output: 1 x 0 -10 V output temperature (corresponding to 0...+15 °C) &amp; 1 x 0 -10 V output valve (frost signal with control voltage and cascading)

1 x potential-free changeover contact (24 V), range of adjustment 0...+15 °C

Current consumption: max. 100 mA at 24 V DC

Load resistance:  $R_L > 50$  kOhm

Ambient temperature: -15...+50 °C / 5...+122 °F (Housing) &amp; -20...+60 °C / -4...+140 °F Sensor and capillary tube &gt; 20 cm from the housing.

Power: 24VAC/DC ( $\pm 10\%$ ) 24DC <2,4W

T2-IP65 plastic housing with three-line display 70x40 mm (WxH), a M16 cable glands and MK-05-K mounting clamps.

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Aksesuarlar

**134B9413** **Airflow Sensor KLQ CO2 & Air Quality**

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB

Maintenance-free duct sensor covering air quality (VOC 0...100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).

VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration

VOC measuring range: 0...100 % air quality; referred to calibrating gas & selection of VOC sensitivities (low/medium/high)

VOC measuring accuracy: typical  $\pm 20$  % of final value (referred to calibrating gas)

CO2 Sensor: optical NDIR sensor (non-dispersive infra-red technology) including atmospheric pressure compensation (up to 1100 mbar) with manual or automatic calibration

CO2 measuring range: 0...5000 ppm

CO2 measuring accuracy: typical  $\pm 30$  ppm ( $\pm 3$  % of measured value) & temperature dependence:  $\pm 5$  ppm pro  $^{\circ}\text{C}$  or  $\pm 0,5$  % of measured value pro  $^{\circ}\text{C}$  (whichever is higher) & pressure dependence:  $\pm 0.13$  % per mm Hg

Medium: clean air and non-aggressive, non-combustible gases

Power: 24VAC/DC ( $\pm 10\%$ ) 24DC  $<1,6\text{W}$

Operation temperature:  $-10...+60$   $^{\circ}\text{C}$  /  $14...+140$   $^{\circ}\text{F}$

T2-IP65 plastic housing two M20 cable glands

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Aksesuarlar

**134B9412****Airflow Sensor TF65 PT1000 Temperature**

DUCT TEMPERATURE SENSOR TF 65

The TF 65 temperature measuring transducer is a PT1000 class B resistance sensor with passive output. Measuring range from  $-30...+150^{\circ}\text{C}$ . In a resistant IP67 plastic housing and M16 cable gland for cable connection and a straight protective measuring tube and a mounting flange.

Sensor type: PT1000 class B (DIN EN 60751) 1000ohm at  $0^{\circ}\text{C} \pm 0,3\text{ K}$ Measuring range:  $-30...+150^{\circ}\text{C}$  /  $-22...+302^{\circ}\text{F}$ Ambient temperature:  $-20...+100^{\circ}\text{C}$  /  $-4...+212^{\circ}\text{F}$ Testing current:  $< 0.6\text{ mA}$ Insulating resistance: 100 M#, at  $+20^{\circ}\text{C}$  (500V DC)

Connection type: 2-wire connection

Measuring tube: stainless steel, V4A (1.4571),  $\varnothing 6\text{ mm}$ , inserted length = 300 mm / 11.8 in

T1-IP67 plastic housing with a M16 cable glands and a mounting flange.

Housing dimensions: 72 x 64 x 37.8 mm / 2.83 x 2.52 x 1.49 in

**134B9411****Wall Sensor AFTF Temp & Humidity**

ON-WALL- HUMIDITY- AND TEMPERATURE SENSORS AFTF-MB

Calibratable outside humidity and temperature sensor AFTF, detect the relative humidity (0...100% RH) and the temperature ( $-35...+80^{\circ}\text{C}$ ), including various parameters in the humidity measurement. Applied in clean air and non-aggressive, dust-free environment. With a Modbus connection in a resistant IP65 plastic housing and M20 cable gland for cable connection, with quick-locking screws and an exchangeable plastic sinter filter. International SI units (default) can be changed to imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) /  $-35...+80^{\circ}\text{C}$  (temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical  $\pm 2.0\%$  (20...80 % RH) at  $+25^{\circ}\text{C}$ , otherwise  $\pm 3.0\%$

Deviation, temperature: typical  $\pm 0.4\text{ K}$  at  $+25^{\circ}\text{C}$  /  $\pm 77^{\circ}\text{F}$ Zero point offset:  $\pm 10\%$  RH (humidity) /  $\pm 5^{\circ}\text{C}$  (temperature)Power: 24VAC ( $\pm 20\%$ ) / 15...36VDC - 24DC  $< 1,2\text{W}$ Operation temperature:  $-30...+70^{\circ}\text{C}$  /  $-22...+158^{\circ}\text{F}$ 

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

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## Aksesuarlar

**134B9410****Wall Sensor ATM2 Temperature**

OUTSIDE / WET ROOM TEMPERATURE SENSOR ATM2-MB

Calibratable outside temperature sensor ATM2, PT1000 measure temperature (-50...+150 °C), with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M20 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).

Sensor type: PT1000 class B (DIN EN 60751)

Measuring range: - 50...+150°C / -31... +176°F

Deviation: typical  $\pm 0.2$  K at +25 °C /  $\pm 77$  °FZero point offset:  $\pm 10$  °C /  $\pm 50$  °F

Ambient temperature: Measuring transducer -30...+70 °C / -22... +158°F

Medium: clean air and non-aggressive, non-combustible gases

Power: 24VAC ( $\pm 20\%$ ) / 15...36VDC - 24DC <1,2W

Operation temperature: -30...+70 °C / -22...+158 °F

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

Image  
coming  
soon**134B9409****Airflow Sensor 8147 Temp&Humidity&7000Pa**DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS  $\pm 7000$ PA-MB

Maintenance-free duct sensor covering humidity, temperature and pressure in one transducer. Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection. Including mounting flange to detect the relative humidity (0...100% RH) and the temperature (-35...+80 °C) inside a tube, with an exchangeable plastic sinter filter. A differential air pressure (max.  $\pm 7000$  Pa) with connection nozzles for pressure hose ( $\varnothing 6$  mm). The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices. International SI units (default) can be switched to Imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) / - 35...+80°C / -31... +176°F (temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical  $\pm 2.0$  % (20...80 % RH) at +25°C/+77°F , otherwise  $\pm 3.0$  %

Deviation, temperature: typical  $\pm 0.2$  K at +25 °C /  $\pm 0.4$  °F at +77 °FPressure range:  $\pm 7000$  Pa

Accuracy: 7000 Pa/28 inWC: typical  $\pm 105$  Pa at +25 °C /  $\pm 0.12$  inWC at +77 °F

Above- # below-pressure: max.  $\pm 50$  kPaPower: 24VAC ( $\pm 20\%$ ) / 15...36VDC - 24DC <0,2W

Operation temperature: -30...+70 °C / -22...+158 °F

Media temperature -20...+50 °C / -4...+122 °F IP65 plastic housing two

M16 cable glands

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Aksesuarlar

Image  
coming  
soon**134B9408****Airflow Sensor 8148 Temp&Humidity&500Pa**

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS  $\pm 500$ Pa-MB  
Maintenance-free duct sensor covering humidity, temperature and pressure in one transducer. Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection. Including mounting flange to detect the relative humidity (0...100% RH) and the temperature ( $-35...+80$  °C) inside a tube, with an exchangeable plastic sinter filter. A differential air pressure (max.  $\pm 500$  Pa) with connection nozzles for pressure hose ( $\varnothing 6$  mm). The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices. International SI units (default) can be switched to Imperial (via Modbus).  
Measuring range: 0...100 % RH (humidity) /  $-35...+80$  °C /  $-31...+176$  °F (temperature)  
Medium: clean air and non-aggressive, non-combustible gases  
Deviation, humidity: typical  $\pm 2.0$  % (20...80 % RH) at  $+25$  °C /  $+77$  °F , otherwise  $\pm 3.0$  %  
Deviation, temperature: typical  $\pm 0.2$  K at  $+25$  °C /  $\pm 0.4$  °F at  $+77$  °F  
Pressure range:  $\pm 500$  Pa  
Accuracy: 500 Pa/2.0 inWC: typical  $\pm 13$  Pa at  $+25$  °C /  $\pm 0.05$  inWC at  $+77$  °F  
Above- # below-pressure: max.  $\pm 50$  kPa  
Power: 24VAC ( $\pm 20$ %) / 15...36VDC - 24DC  $<0,2$ W  
Operation temperature:  $-30...+70$  °C /  $-22...+158$  °F  
Media temperature  $-20...+50$  °C /  $-4...+122$  °F IP65 plastic housing two M16 cable glands  
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Aksesuarlar

**134B9407** **Airflow Sensor KFTF Temp & Humidity**

DUCT HUMIDITY- AND TEMPERATURE SENSORS KFTF-MB

Calibratable duct humidity and temperature sensor KFTF-T3 ( $\pm 2.0\%$ ) with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection and a plastic sinter filter (exchangeable). Including mounting flange to detect the relative humidity (0...100% RH) and the temperature ( $-35...+80\text{ }^{\circ}\text{C}$ ) inside a tube, including various parameters in the humidity measurement. The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices.

International SI units (default) can be switched to Imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) /  $-35...+80\text{ }^{\circ}\text{C}$  (temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical  $\pm 2.0\%$  (20...80 % RH) at  $+25\text{ }^{\circ}\text{C}$ , otherwise  $\pm 3.0\%$

Deviation, temperature: typical  $\pm 0.2\text{ K}$  at  $+25\text{ }^{\circ}\text{C}$

Zero point offset:  $\pm 10\%$  RH (humidity) /  $\pm 5\text{ }^{\circ}\text{C}$  (temperature)

Power: 24VAC ( $\pm 20\%$ ) / 15...36VDC - 24DC  $<1,2\text{ W}$

Operation temperature:  $-30...+70\text{ }^{\circ}\text{C}$  /  $-22...+158\text{ }^{\circ}\text{F}$

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

**134B9406** **Pressure Sensor 7227 2x7000Pa, Analog**DUAL AIR PRESSURE SENSOR  $\pm 7000\text{ Pa}$  &  $\pm 7000\text{ Pa}$ , ANALOGUE

Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0-10 V or 4...20 mA.

Pressure range selection:  $\pm 7000\text{ Pa}$  - 0...1000Pa / 2000Pa / 3000Pa / 5000Pa / 7000Pa

Accuracy: 7000 Pa typical  $\pm 105\text{ Pa}$

Zero point offset:  $\pm 10\%$  of measuring range

Above- # below-pressure: max.  $\pm 50\text{ kPa}$

Power: 24VAC/DC ( $\pm 10\%$ )  $<1,3\text{ W}$ ,

Output: automatically switching 0-10 V # 4...20 mA

Working resistance:  $R_a$  (ohms) = 25...450 Ohm (at I output)

Load resistance:  $R_L > 15\text{ kOhm}$  (at U output)

Operation / Media temperature:  $-20...+50\text{ }^{\circ}\text{C}$  /  $-4...+122\text{ }^{\circ}\text{F}$

T2-IP65 plastic housing with one M16 cable gland

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Aksesuarlar

**134B9405****Pressure Sensor 7229 500/7000Pa, Analog**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 7000\text{Pa}$ , ANALOGUE

Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA. Pressure range selection:  $\pm 500\text{ Pa} - 0 \dots 100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$  Pressure range selection:  $\pm 7000\text{ Pa} - 0 \dots 1000\text{Pa} / 2000\text{Pa} / 3000\text{Pa} / 5000\text{Pa} / 7000\text{Pa}$

Accuracy: 500 Pa typical  $\pm 13\text{ Pa}$ Accuracy: 7000 Pa typical  $\pm 105\text{ Pa}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- # below-pressure: max.  $\pm 50\text{ kPa}$ Power: 24VAC/DC ( $\pm 10\%$ )  $< 1,3\text{W}$ ,

Output: automatically switching 0–10 V # 4...20 mA

Working resistance:  $R_a\text{ (ohms)} = 25 \dots 450\text{ Ohm}$  (at I output)Load resistance:  $R_L > 15\text{ kOhm}$  (at U output)Operation / Media temperature:  $-20 \dots +50\text{ }^\circ\text{C} / -4 \dots +122\text{ }^\circ\text{F}$ 

T2-IP65 plastic housing with one M16 cable gland

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

**134B9404****Pressure Sensor 7225 2x500Pa, Analog**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 500\text{Pa}$ , ANALOGUE

Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA. Pressure range selection:  $\pm 500\text{ Pa} - 0 \dots 100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$

Accuracy: 500 Pa typical  $\pm 13\text{ Pa}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- # below-pressure: max.  $\pm 50\text{ kPa}$ Power: 24VAC/DC ( $\pm 10\%$ )  $< 1,3\text{W}$ ,

Output: automatically switching 0–10 V # 4...20 mA

Working resistance:  $R_a\text{ (ohms)} = 25 \dots 450\text{ Ohm}$  (at I output)Load resistance:  $R_L > 15\text{ kOhm}$  (at U output)Operation / Media temperature:  $-20 \dots +50\text{ }^\circ\text{C} / -4 \dots +122\text{ }^\circ\text{F}$ 

T2-IP65 plastic housing with one M16 cable gland

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Aksesuarlar

**134B9402** **Pressure Sensor 7247T 2x7000Pa & PT1000**DUAL AIR PRESSURE SENSOR  $\pm 7000\text{Pa}$  &  $\pm 7000\text{Pa-MB}$ 

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor ( $-50\dots+150^\circ\text{C}$ ). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) and M16 cable gland for cable connection. International SI units (default) can be switched to Imperial (via Modbus). Incl. connection set ASD-06 (2 m connecting hose, two pressure port nipples, screws).

Pressure range:  $\pm 7000\text{ Pa}$  and  $\pm 7000\text{ Pa}$ Accuracy:  $7000\text{ Pa}/28\text{ inWC}$ : typical  $\pm 105\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.12\text{ inWC}$  at  $+77^\circ\text{F}$ Linearity:  $< \pm 1\%$  of final value & Temperature drift:  $\pm 0.1\%$  per  $^\circ\text{C}$  #  
 $^\circ\text{F}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- # below-pressure: max.  $\pm 50\text{ kPa}$  /  $\pm 200\text{ inWC}$ Power:  $24\text{VAC}$  ( $\pm 20\%$ )  $<0,2\text{W}$  /  $15\dots36\text{VDC}$ Operation temperature:  $-30\dots+70^\circ\text{C}$  /  $-22\dots+158^\circ\text{F}$ Media temperature  $-20\dots+50^\circ\text{C}$  /  $-4\dots+122^\circ\text{F}$ 

T2-IP65 plastic housing with two M16 cable glands &amp; one M12 for temperature

Housing dimensions:  $126 \times 90 \times 50\text{ mm}$  /  $4.96 \times 3.54 \times 1.97\text{ in}$ **134B9401** **Pressure Sensor 7249T 500/7000Pa & PT1000**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 7000\text{Pa-MB}$ 

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor ( $-50\dots+150^\circ\text{C}$ ). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) and M16 cable gland for cable connection. International SI units (default) can be switched to Imperial (via Modbus). Incl. connection set ASD-06 (2 m connecting hose, two pressure port nipples, screws).

Pressure range:  $\pm 500\text{ Pa}$  and  $\pm 7000\text{ Pa}$ Accuracy:  $500\text{ Pa}/2.0\text{ inWC}$ : typical  $\pm 13\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.05\text{ inWC}$  at  $+77^\circ\text{F}$ Accuracy:  $7000\text{ Pa}/28\text{ inWC}$ : typical  $\pm 105\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.12\text{ inWC}$  at  $+77^\circ\text{F}$ Linearity:  $< \pm 1\%$  of final value & Temperature drift:  $\pm 0.1\%$  per  $^\circ\text{C}$  #  
 $^\circ\text{F}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove- # below-pressure: max.  $\pm 50\text{ kPa}$  /  $\pm 200\text{ inWC}$ Power:  $24\text{VAC}$  ( $\pm 20\%$ )  $<0,2\text{W}$  /  $15\dots36\text{VDC}$ Operation temperature:  $-30\dots+70^\circ\text{C}$  /  $-22\dots+158^\circ\text{F}$ Media temperature  $-20\dots+50^\circ\text{C}$  /  $-4\dots+122^\circ\text{F}$ 

T2-IP65 plastic housing with two M16 cable glands &amp; one M12 for temperature

Housing dimensions:  $126 \times 90 \times 50\text{ mm}$  /  $4.96 \times 3.54 \times 1.97\text{ in}$ **For more information, please use this link to visit the product page on Danfoss Product Store** 

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## Akseuarlar

**134B9400****Pressure Sensor 7245T 2x500Pa & PT1000**DUAL AIR PRESSURE SENSOR  $\pm 500\text{Pa}$  &  $\pm 500\text{Pa-MB}$ 

Dual maintenance-free pressure sensor with connection facility for external Pt1000 sensor ( $-50\dots+150^\circ\text{C}$ ). Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ( $\varnothing 6\text{ mm}$ ) and M16 cable gland for cable connection. International SI units (default) can be switched to Imperial (via Modbus). Incl. connection set ASD-06 (2 m connecting hose, two pressure port nipples, screws).

Pressure range:  $\pm 500\text{ Pa}$  and  $\pm 500\text{ Pa}$ Accuracy:  $500\text{ Pa}/2.0\text{ inWC}$ : typical  $\pm 13\text{ Pa}$  at  $+25^\circ\text{C}$  /  $\pm 0.05\text{ inWC}$  at  $+77^\circ\text{F}$ Linearity:  $< \pm 1\%$  of final value & Temperature drift:  $\pm 0.1\%$  per  $^\circ\text{C}/^\circ\text{F}$ Zero point offset:  $\pm 10\%$  of measuring rangeAbove-/below-pressure: max.  $\pm 50\text{ kPa}$  /  $\pm 200\text{ inWC}$ Power:  $24\text{VAC}$  ( $\pm 20\%$ )  $< 0.2\text{W}$  /  $15\dots 36\text{VDC}$ Operation temperature:  $-30\dots+70^\circ\text{C}$  /  $-22\dots+158^\circ\text{F}$ Media temperature  $-20\dots+50^\circ\text{C}$  /  $-4\dots+122^\circ\text{F}$ 

T2-IP65 plastic housing with two M16 cable glands &amp; one M12 for temperature

Housing dimensions:  $126 \times 90 \times 50\text{ mm}$  /  $4.96 \times 3.54 \times 1.97\text{ in}$ **130B5601****VLT® DeviceNet converter MCA194 kplmlı**

VLT® DeviceNet converter MCA194 coated

## Yedek parçalar

**130B7530****Mounting Kit f. C Option, 40mm, A2/A3**

MCF 105 assembly kit A2 / A3 for C option



x10

**130B9001****multiple 2 pole power combicon, 24V plug****130B5601****VLT® DeviceNet converter MCA194 kplmlı**

VLT® DeviceNet converter MCA194 coated

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## Product Detail | FC-302P7K5T5E20H2BGXXXXXAXBXCXXXXDX

## Yedek parçalar



**130B1012** [🔗](#)  
A1-A3 için terminal kapağı, seçenekli



**130B1011** [🔗](#)  
A1-A3 için terminal kapağı, seçeneksiz



**130B1008** [🔗](#)  
LCP Kont. Tabanı için çerç., seçenekli



**130B1007** [🔗](#)  
LCP Kontr.Tabanı için çerç., seçeneksiz



**130B1022** [🔗](#)  
A2, A3 muh. boyutl. için aksesuar çant.



**130B0295** [🔗](#)  
Kontrol kartı girişli aksesuar çantası



x10

**130B1073** [🔗](#)  
10 Kutuplu konektör (10 adet)



x10

**130B1072** [🔗](#)  
8 Kutuplu konektör (10 adet)



**130B1069** [🔗](#)  
Çoklu röle 1 fiş  
spare, 3 pole connector, relay 1, fc300



**130B1068** [🔗](#)  
Çoklu röle 2 fiş  
spare, 3 pole connector, relay 2, fc300

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## Yedek parçalar

**130B1067** 

Çoklu bükümsüz şebeke fişi

**130B1064** 

Fren ve yük paylaşımı için term. bloku

Fren ve yük paylaşımı için terminal bloku

**130B1107** 

VLT® Control Panel LCP 102

VLT Control Panel LCP 102

Düz metinli, aydınlatmalı grafik ekran.

Tüm dilleri ve metin karakterlerini destekler.

Kısa sürede devreye alma için hızlı menü.

Parametre grupları içim kaydetme ve kopyalama işlevi.

Tüm işlevler için çevrimiçi yardım.

**130B1097** 

Fan grubu 80x80x25 mm kaplamalı

**130B1088** 

IP20/21 için Danfoss logolu LCP kör kpk.

**134B0286** 

EMC Shield A2, A3

**134B1726** 

FC-302 için güvenli drşl kontrol kartı

Yazılım versiyonu 8.12 veya üstü ile uyumludur. Sürücünüz müşteriye özel bir yazılıma veya marka etiketli bir yazılım versiyonuna sahipse, lütfen kontrol kartı parça numarası 130B1109 için sipariş verin.

Image  
coming  
soon**134B1976** 

Aksesuar çantası, A1-A3 frenli

**134B1975** 

Fieldbus kabloları için dekuplaj plakası

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## Yedek parçalar

**130B1383** [🔗](#)**MCA101 Profibus Option DP V0/V1 FC300**

Krones acc. bag multipack 5pcs for A2/3-frame.

Image  
coming  
soon**134B5998** [🔗](#)**24 pole jumper/2 connector jumper**Image  
coming  
soon**134B6883** [🔗](#)**VLT Progr. Contr. MCB 301, coated****130B1071** [🔗](#)**6 Kutuplu Konektör, FC serisi, (10 adet)**

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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## Yedek parçalar

**134B9413****Airflow Sensor KLQ CO2 & Air Quality**

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB

Maintenance-free duct sensor covering air quality (VOC 0...100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).

VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration

VOC measuring range: 0...100 % air quality; referred to calibrating gas & selection of VOC sensitivities (low/medium/high)

VOC measuring accuracy: typical  $\pm 20$  % of final value (referred to calibrating gas)

CO2 Sensor: optical NDIR sensor (non-dispersive infra-red technology) including atmospheric pressure compensation (up to 1100 mbar) with manual or automatic calibration

CO2 measuring range: 0...5000 ppm

CO2 measuring accuracy: typical  $\pm 30$  ppm ( $\pm 3$  % of measured value) & temperature dependence:  $\pm 5$  ppm pro  $^{\circ}\text{C}$  or  $\pm 0,5$  % of measured value pro  $^{\circ}\text{C}$  (whichever is higher) & pressure dependence:  $\pm 0.13$  % per mm Hg

Medium: clean air and non-aggressive, non-combustible gases

Power: 24VAC/DC ( $\pm 10\%$ ) 24DC  $<1,6\text{W}$

Operation temperature:  $-10...+60$   $^{\circ}\text{C}$  /  $14...+140$   $^{\circ}\text{F}$

T2-IP65 plastic housing two M20 cable glands

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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## Services

**131B0052****FC-302P7K5T5E20H1BGXXXXXXXAXBXXXXDX**

Frekans Kvertörü

FC-302P7K5T5E20H1BGXXXXXXXAXBXXXXDX

VLT® AutomationDrive FC-302

7,5 kW / 10 HP, Trifaze

380 - 500 VAC, IP 20 / Şasi

RFI Sınıfı A1/B (C1)

Fren kesici

Grafik Lokal Kontrol Panel

Kaplama PCB yok, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A3

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

**Model kodu:** FC-302P7K5T5E20H1BGXXXXXXXAXBXXXXDX

VLT® AutomationDrive, tüm standart veya servo makinelerde ya da üretim hatlarında tam kapsamlı operasyon kontrolü sunan tek bir sürücü konsepti oluşturur.

**130R1121****DrivePro Extended Warranty Servis Bayisi**

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.

**130R1120****DrivePro Extended Warranty Servis Bayisi**

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.

**130R1122****DrivePro ExWarr Work Shop PG03 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.

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

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**Services**

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**130R1123** **DrivePro Extended Warranty Servis Bayisi**

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.

**130R1126** **DrivePro Extended Warranty Servis Bayisi**

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.

**130R1125** **DrivePro Extended Warranty Servis Bayisi**

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.

**130R1124** **DrivePro Extended Warranty Servis Bayisi**

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.

**130R1127** **DrivePro ExWarr Work Shop PG03 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.

**130R1128** **DrivePro Extended Warranty Servis Bayisi**

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**

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**130R1024** **DrivePro Extended Warranty sahada 48 ay**

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.

**130R1025** **DrivePro Extended Warranty sahada 54 ay**

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.

**130R1020** **DrivePro Extended Warranty sahada 24 ay**

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.

**130R1022** **DrivePro Extended Warranty sahada 36 ay**

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.

**130R1021** **DrivePro ExWarr Onsite PG03 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.

**130R1027** **DrivePro Extended Warranty sahada 66 ay**

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

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

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**Services**

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**130R1026** **DrivePro Extended Warranty sahada 60 ay**

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.

**130R1028** **DrivePro Extended Warranty sahada 72 ay**

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.

**130R1023** **DrivePro Extended Warranty sahada 42 ay**

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.

General Terms and Conditions of Delivery and Warranty apply.

**130R1324** **DrivePro Start-Up ctrl. IFT test small**

DrivePro Start-Up Control interface testing small frame unit

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**Services**

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**130R1321****DrivePro Start-Up special applic. small**

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.

General Terms and Conditions of Delivery and Warranty apply.

**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.

General Terms and Conditions of Delivery and Warranty apply.

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**Services**

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**130R1304** **DrivePro Start-Up unit on-demand small**

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

Image  
coming  
soon

**130R1199** **DrivePro Site Assessment**

investments.

DrivePro® Site Assessment is designed by Danfoss Drives to assess and analyze the drives at your site for effective asset management with a view of their maintenance and their lifecycle conditions. This assessment helps you to maintain, plan and take investments to achieve the highest possible reliability and performance.

Our experts visit your site and collect the data on your drives. We evaluate the collected data and help you to have an overview of risk factors in combination of all the parameters visually inspected at site. We give you a report on key facts which would help your management to take decisions on maintenance, planning, renewals and on future investments.

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**Services**

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**130R1380** **DrivePro Start-Up ½ day pre-order small**

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

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

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

Image  
coming  
soon

**130R1348** **DrivePro Remote Monitoring - Annual Fee**

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