

**131B8903****FC-202P2K2T4E20H2XGXXXXXXXAXBXXXXDX**

Frekans Knavertörü

FC-202P2K2T4E20H2XGXXXXXXXAXBXXXXDX

VLT® AQUA Drive FC-202

2,2 kW / 3,0 HP, Trifaze

380 - 480 VAC, IP 20 / Şasi

RFI Sınıfı A2 (C3)

Fren kesici yok

Grafik Lokal Kontrol Panel

Kaplama PCB yok, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A2

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

Model kodu: FC-202P2K2T4E20H2XGXXXXXXXAXBXXXXDX

Danfoss VLT® AQUA Drive, su ve atık su uygulamaları için tasarlanmıştır. Geniş kapsamlı güçlü standart ve isteğe bağlı özellikleri ile VLT® AQUA Drive, su ve atık su uygulamalarında en düşük genel maliyeti sağlar.

Verimlilik Verilerini Görüntüleme**PRODUCT DETAILS**

Brüt ağırlık	4.91 kg	
Net ağırlık	4.04 kg	
Hacim	21.569 l	
EAN	5702427378827	
VLT® AQUA DRIVE FC 200 SERIES		
Ürün Görünümü (Anahtar)	GLBL	Global (Standart)
Ürün Grubu	FC-	VLT® AQUA Drive FC-
Seri	202	202
Güç Değeri	P2K2	2,2 kW / 3,0 HP
Faz	T	Trifaze
Şebeke Voltajı	4	380 - 480 VAC
Muhafaza	E20	IP 20 / Şasi
RFI Filtresi	H2	RFI Sınıfı A2 (C3)
Fren - Güvenli Duruş	X	Fren kesici yok
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-202P2K2T4E20H2XGXXXXXXXAXBXCXXXXDX

PRODUCT DETAILS

C Opsiyon Yazılımı	XX	Yazılım seçeneği yok
D Opsiyonu	DX	D seçeneği yok
Kasa Boyutu	A2	A2
Tür Kodu Parça 1		FC-202P2K2T4E20H2XGX
Tür Kodu Parça 2		XXXXXXXXAXBXCXXXXDX
Ürün Kataloğu	NO_VIEW	GÖRÜNTÜ YOK
Güç %150 (HO) [KW]		2.2
Güç %110 (NO) [KW]		2.2
Yükseklik [mm]		268,0
C opsiyonu olm. genişlik [mm]		90,0
İki C opsiyonla genişlik [mm]		150,0
Derinlik [mm]		205,0
A/B opsiyonu ile Derinlik [mm]		220,0
kVA		3.88
Güç Kaybı NO [W]		88
Güç Kaybı NO [W]		88
Güç Kaybı HO [W]		88
Güç Kaybı HO [W]		88
Sürekli Akım (NO) [A]		5.6
Kesintili Akım (NO) [A]		6.16
Sürekli Akım (NO) [A]		4.8
Kesintili Akım (NO) [A]		5.28
Sürekli Akım (HO) [A]		5.6
Kesikli Akım (HO) [A]		8.4
Sürekli Akım (HO) [A]		4.8
Kesikli Akım (HO) [A]		7.2
Hesaplanan Brüt Ağırlık [kg]		4.91
Hes. Net Ağ. [kg]		4.04
ECCN EU		Y901
ECCN US		3A999.a
Satıcı	ERR01	Satıcı Belirlenmiyor
Fabrika Tarafından Önerilen	ERR01	Satıcı Belirlenmiyor
Modelkodu01		FC-202P2K2T4E20H2XGX
Modelkodu02		XXXXXXXXAXBXCXXXXDX
Recommended Plant		ERR01

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

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Aksesuarlar

**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

130B7389**NEMA 1 Conversion Kit, Top, 10 pcs, A2****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

**130B1243****VLT® Analog I/O Option MCB109, kaplamalı**

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

Analog inputs / outputs galvanically isolated.

Expands the analog inputs / outputs by:

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

3 analog outputs: 0 ... 10V

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

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

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Aksesuarlar



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.



130B1218

VLT® Ext. Cascade Contr. MCO 101, kplımlı

Upgrades the built-in cascade controller to control multiple pumps

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

This MCO option, sits in a B option space.

Danfoss can offer help with programming / setting up MCO options.

Contact Danfoss for advice and prices.

Product group: R



130B1254

VLT® Adv. Cascade Contr. MCO 102, kplımlı

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

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

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

130B7530 - Mounting kit for enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3excepted)

Danfoss MCO options are not sold without prior advice.

Danfoss can offer help with programming / setting up MCO options.

Contact Danfoss for advice and prices.

Product group: R



130B1172

VLT® Sensor Input Card MCB 114, 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.

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Aksesuarlar

**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.

**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**

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Aksesuarlar

**130B1386****VLT® Profibus DP V1 MCA 101, kpl., 5 adt****130B1385****VLT® Profibus DP V1 MCA101, kplmsz 5 adt****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

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Aksesuarlar

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

**130B0183****Adaptör Plakası, 395x90 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 130B0183 üzerine monte edilebilir:

IP20 Kitap Tipi: 200-240 Volt VLT5001-5003/VLT6002-6003, 380/500 Volt VLT5001-5005, 380-460 Volt VLT6002-6005

**130B0056****Adaptör Plakası, 338x279 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 bir ya da iki FC sürücü monte edilebilir. Ya da tam boy C Opsiyonlu bir FC sürücü (ör, MCO305).

Aşağıdaki VLT® 3000, Adaptör Plakası 130B0056 üzerine monte edilebilir:

IP00/21: 220/380/500 Volt VLT3002-3004 (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

**130B1132****IP 21/Tip 1 dönüştürme kiti, üst, A2**

Bu kitin yalnızca üst parçasıdır. Hem üst hem de alt parçası olan bir kite ihtiyacınız varsa lütfen 130B1122 siparişi verin.

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Aksesuarlar

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

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.

**130B1122****IP 21/Tip 1 dönüştürme kiti, A2**

Cover for housing size A2 MCF 101 NEMA1 / IP21

**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

**130B1118****VLT® Ext. Cascade Contr. MCO 101, kplımsz****130B1117****LCP Montaj Kiti, LCP'siz**

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

**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.

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Aksesuarlar

**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

**130B1154****VLT® Adv. Cascade Contr. MCO 102, kplmsz**

Kolay montaj. 8 adede kadar pompa çalıştırmak için yerleşik kaskat kontrolör için yükseltme sağlar ve master/follower modunda daha gelişmiş pompa kontrolü sağlar. Birden fazla değişken hızlı ve sabit hızlı pompanın kombinasyonunun yanı sıra farklı kapasitede pompalar içeren konfigürasyonları (karışık pompa kontrolü) destekler. Sürücüdeki ek 7 dijital giriş ve 24 VDC bağlantı, uygulamaya esnek adaptasyon sağlar. Aynı kaskat kontrolör donanımı, 2 MW'a kadar güç aralığının tamamına uygundur.

**130B1143****VLT® Analog I/O Option MCB 109, kplmsz**

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

Expands the analog inputs / outputs by:

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

3 analog outputs: 0 ... 10V

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

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

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Aksesuarlar

**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.

**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.****175U0087****Mont.: Brak.: Ayak izi, A2, 2fren rez için**

Back frame A2 for 2 brake resistors

**175U0085****Montaj braketi: Ayak izi, A2**

Back frame A2 for 1 brake resistor

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Aksesuarlar

Image
coming
soon**175U0388** **Mounting brackets: Footprint, K3****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 braketi kiti, 216 x 30 x 18 mm**

Mounting angle for flatpack resistor 200W

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

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Aksesuarlar

**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****130B0295****Kontrol kartı girişli aksesuar çantası****130B1022****A2, A3 muh. boyutl. için aksesuar çant.**

Image
coming
soon

130B4847**extension cable for lcp+communication****134B8814****VLT® PROFINET MCA120 coated 5pcs****134B8492****Transducer 0-10g, 4-20mA; HS-22B50**

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Aksesuarlar

**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**

**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**

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Aksesuarlar

**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 ± 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 & 1 x 0 -10 V cascading input

Output: 1 x 0 -10 V output temperature (corresponding to 0...+15 °C) & 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) & –20...+60 °C / –4...+140 °F Sensor and capillary tube > 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 ± 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 ± 30 ppm (± 3 % of measured value) & temperature dependence: ± 5 ppm pro $^{\circ}\text{C}$ or $\pm 0,5$ % of measured value pro $^{\circ}\text{C}$ (whichever is higher) & pressure dependence: ± 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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**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 ± 0.2 K at +25 °C / ± 77 °F

Zero point offset: ± 10 °C / ± 50 °F

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

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

Power: 24VAC (± 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 ±7000PA-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. ± 7000 Pa) with connection nozzles for pressure hose (Ø 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 ± 2.0 % (20...80 % RH) at +25°C/+77°F , otherwise ± 3.0 %

Deviation, temperature: typical ± 0.2 K at +25 °C / ± 0.4 °F at +77 °F

Pressure range: ± 7000 Pa

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

Above- # below-pressure: max. ± 50 kPa

Power: 24VAC (± 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

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

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ± 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. ± 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 ± 2.0 % (20...80 % RH) at $+25$ °C / $+77$ °F , otherwise ± 3.0 %
Deviation, temperature: typical ± 0.2 K at $+25$ °C / ± 0.4 °F at $+77$ °F
Pressure range: ± 500 Pa
Accuracy: 500 Pa/2.0 inWC: typical ± 13 Pa at $+25$ °C / ± 0.05 inWC at $+77$ °F
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC (± 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: $R_a\text{ (ohms)} = 25...450\text{ Ohm}$ (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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**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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**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: 24VAC ($\pm 20\%$) $<0,2\text{W}$ / $15\dots36\text{VDC}$ 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 & 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: 24VAC ($\pm 20\%$) $<0,2\text{W}$ / $15\dots36\text{VDC}$ 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 & 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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Aksesuarlar



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 range

Above-/below-pressure: max. $\pm 50\text{ kPa}$ / $\pm 200\text{ inWC}$

Power: 24VAC ($\pm 20\%$) $< 0.2\text{W}$ / $15\dots 36\text{VDC}$

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 & one M12 for temperature

Housing dimensions: $126 \times 90 \times 50\text{ mm}$ / $4.96 \times 3.54 \times 1.97\text{ in}$

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



130B1012

A1-A3 için terminal kapağı, seçenekli



130B1011

A1-A3 için terminal kapağı, seçeneksiz

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

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Yedek parçalar



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



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



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



130B1067 [🔗](#)
Çoklu bükümsüz şebeke fişi

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Yedek parçalar

**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.

**130B1096** **Fan grubu 70x70x25 mm kaplamalı****130B1088** **IP20/21 için Danfoss logolu LCP kör kpk.****134B0286** **EMC Shield A2, A3****134B1975** **Fieldbus kabloları için dekuplaj plakası****134B1732** **FC-202 için güvenli drşsz kontrol kartı**

Yazılım versiyonu 3.24 veya üstü ile uyumludur. Sürücünüz müşteriye özel bir yazılıma veya marka etiketli bir yazılım versiyonuna sahipse, lütfen kontrol kartı parça numarası 130B1168 için sipariş verin.

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 ± 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 ± 30 ppm (± 3 % of measured value) & temperature dependence: ± 5 ppm pro $^{\circ}\text{C}$ or $\pm 0,5$ % of measured value pro $^{\circ}\text{C}$ (whichever is higher) & pressure dependence: ± 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

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

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Services

**131F3082****FC-202P4K0T4E20H1UGCXXXXSXXXXAXBXXXXDX**

Frekans Kvertörü

FC-202P4K0T4E20H1UGCXXXXSXXXXAXBXXXXDX

VLT® AQUA Drive FC-202

4,0 kW / 5,0 HP, Trifaze

380 - 480 VAC, IP 20 / Şasi

RFI Sınıfı A1/B (C1)

Fren kesici +Güvenli duruş

Grafik Lokal Kontrol Panel

Kaplama PCB, Şebeke Seçeneği yok

Son sürüm std. yazılım

Kasa Boyutu: A2

C1 opsiyonu yok, D seçeneği yok

A Seçeneği Yok, B Seçeneği Yok

Model Koduna göre diğer seçenekler

Model kodu: FC-202P4K0T4E20H1UGCXXXXSXXXXAXBXXXXDX

Danfoss VLT® AQUA Drive, su ve atık su uygulamaları için tasarlanmıştır. Geniş kapsamlı güçlü standart ve isteğe bağlı özellikleri ile VLT® AQUA Drive, su ve atık su uygulamalarında en düşük genel maliyeti sağlar.

**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.

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Services

**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

**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

**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

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

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Services

**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



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



DrivePro® Start-up

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.



DrivePro® Start-up

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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