



135N0785 🗷

70-AB3L00165W05B220BM2H-00048557

Frequency converter

VACON0100-3L-0016-5-FLOW

VACON 100 FLOW

380-500 Vac, 16 Amp, IP21/NEMA1

Graphical Keypad MK01

C2 Commercial&Industry Environ

B Slot: F3,3 Relay board

C Slot: No board

D Slot: No board

E Slot: No board

Fieldbus: Std protocol, Modbus, N2, BacNet

Manual: English

Frame 05

Other options according to Model code

Model code: VACON0100-3L-0016-5-FLOW

VACON® 100 AC drives are ideal for saving energy, optimizing process control and improving productivity. They are designed for multi-purpose use while remaining easy to install, easy to commission and easy to operate.

The variants VACON® INDUSTRIAL and VACON® FLOW are available in power range 0.55-800 kW, voltage range 208-690 V, and protection ratings IP00, IP21/UL Type 1 and IP54/UL Type 12.

PRODUCT DETAILS

Gross weight		11 kg
Net weight		10 kg
Volume		01
EAN		5710108169572
VACON 0100		
Product Group	VACON	VACON
Product Series	0100	Vacon 100 series
Segment	-FLOW	VACON 100 FLOW
Customized	+BM2H	Vacon 100-FLOW
Region Code	-R00	R00 International
Mains voltage	-5	380-500 Vac
Current rating	-0016	16 Amp
Installation options	-DM	DM Drive Module
Enclosure	+IP21	IP21/NEMA1
Control panel	+HMGR	Graphical Keypad MK01
EMC emission limit category	+EMC2	C2 Commercial&Industry Environ
Common mode filter	+P000	No Option (+P000)
DUT filter	+P000	No Option (+P000)
Brake chopper	+DBNO	No dynamic braking device
Warrenty time	+WT01	Warranty 12/18 months (+WT01)
Real time clock option	+SRNO	No Battery for real time clock
Power connections	+P000	No Power options (+P000)
Main Circuit	+M000	NONE



PRODUCT DETAILS

11100001102111125		
Cable entry	+QGLM	Metric conduit plate
Additional Equipment B	+Q000	No option for Qxxx_B (+Q000)
Additonal Equipment C	+Q000	No additional option for Qxxx_C
Shipping package	+GSCB	Cardboard Box as Shipping pack
B-Slot Option Board	+SBF3	F3,3 Relay board
C- Slot Option Board	+SC00	No board
D-Slot Option Board	+SD00	No board
E-Slot Option Board	+SE00	No board
Internal FB selection	+FBM1	Std protocol, Modbus, N2, BacNet
Document language preference	+DLUK	English
Documentation level	+DQCK	Quick Guide
Firmware Language Pack	+FL01	UK, DE, FI, SE, IT, FR lang
Application	+A0000	No Application
Parameter Set	+L0000	No application parameter set
Motor parameter default freq	+LS50	50 Hz def motor freq settings
Unit for measure for display	+LSSI	Metric Units of Measure
UL approval	+GAUL	UL Approval (+GAUL)
RCM Approval	+GACT	(+GACT) RCM Approval N16307
KC approval	+GAKC	KC Approval
EAC Approval	+GAEA	EAC Approval
CE approval	+GACE	CE Approval (+GACE)
Bypass Control Operation Mode	NONE	none_
Bypass Input Type	NONE	none_
Bypass power connection type	NONE	none_
Input Devices	NONE	none_
Common mode filter	+P000	no option (+P000)
DU/DT filter, Sine filter	+P000	no option (+P000)
DC power supply for aux device	+C000	no option (+C000)
AC socket for aux devices	+C000	no option (+C000)
Auxilary power supply	+C000	no option (+C000)
Terminal Options	NONE	none_
Door Equipments	+C000	no option (+C000)
Emergency stop options	+C000	no option (+C000)
Insulation fault sensor	+C000	no option (+C000)
Cabinet heater	+C000	no option (+C000)
Cabinet light	+C000	no option (+C000)
Motor heater control	+C000	no option (+C000)
Empty extension segment	NONE	None
Standardized cabinet solution	NONE	None
Engineered cabinet solution	NONE	None
Marine construction	+E000	no option
Cabling from top	+C000	no option (+C000)
Back channel cooling	+C000	no option (+C000)
Cabinet Plinth	+C000	no option (+C000)
Phase	-3L	3 Phase AC Input
Firmware	+F0159	Vacon0100-Flow Software pack
Configurable power range	NONE	None
Max output frequency	NONE	None
Frame Size	MR05	Frame 05
Marine approval	NONE	None
ATEX Approval	NONE	None
		

PRODUCT DETAILS



Calculated Gross Weight		11
Calculated Net Weight		10
Calculated Net Weight [kg]		10
check if complete		OK
Continuous Current (HO) [A]		NV
Continuous Current (NO) [A]		16
County Specific Approval	NONE	None
DDS Master Data key for MDS		DDS0007
Dimensions WxHxD [mm]		144X419X214
Dimensions WxHxD [mm] Gross		190 X 477 X 257
Dimensions WxHxD [mm] net		144 X 419 X 214
Help Counter		5
Help Counter		2
Labeling options	+LPC1	no additional labels
Material Gross Weight		11
Material Net Weight		10
Modelcode01		VACON0100-3L-0016-5
Modelcode02		-FLOW
Motor Power High Overload [kW]		NV
Motor Power HP High Overload		NV
Motor Power HP Low Overload		10
Motor Power Low Overload [kW]		7.5

NO VIEW

-00048557

-00048557

Ukrainian Approval

NONE

Global (Standard)

Cannot Determine Vendor 70-AB3L00165W05B220BM2H

Normal customer ordered

Cannot Determine Vendor

70-AB3L00165W05B220BM2H

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store 🗅

Accessories

Product Catalog
Product View (Switch)

Stockcode part 1

Stockcode part 2
Sub family identification

Terminal Box

Vendor

Typecode Part 1
Typecode Part 2

Ukrainian approval

Recommended Factory



181B0586 🛚

OPT-E7-V:DeviceNet

OPT-E7-V

NO_VIEW

GLBL

ERR01

NONE

+T000

+GAUA

ERR01

181B0761 12

mage oming soon OPT-EC-V:EtherCAT

OPT-EC-V

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



Accessories



181B3287 🗷

OPT-EA-V:Advanced 2-port ethernet

OPT-EA-V



181B1472 🗷

OPT-B2-V+DLES:1RO(NO/NC),1RO(NO),therm

OPT-B2-V+DLES



181B1473 🗷

OPT-B4-V+DLES:AI,2AO(mA,isol),+24V/EXT

OPT-B4-V+DLES



181B1481 🗷

OPT-B1-V+DNOT:6 programmableDI/DO

OPT-B1-V+DNOT



181B1738 🗷

OPT-B4-V+DLFR:AI,2AO(mA,isoI),+24V/EXT

OPT-B4-V+DLFR



181B2134 12

OPT-B2-V+DLDE:1RO(NO/NC), 1RO(NO), therm

OPT-B2-V+DLDE



181B2151 🗷

OPT-B2-V+DNOT:1RO(NO/NC),1RO(NO),therm

OPT-B2-V+DNOT



181B2152 🗷

OPT-B4-V+DNOT:AI,2AO(mA,isol),+24V/EXT

OPT-B4-V+DNOT



181B0302 🗷

OPT-B2-V:1RO(NO/NC), 1RO(NO), therm

OPT-B2-V



181B0301 @

OPT-B1-V:6 programmableDI/DO

OPT-B1-V

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



Accessories



181B0303 🗷

OPT-B4-V:AI,2AO(mA,isol),+24V/EXT

OPT-B4-V



181B0304 12

OPT-B5-V:3RO(NO)

OPT-B5-V



181B0307 🗷

OPT-B9-V:1RO(NO),5pcs of 41-240VAC

OPT-B9-V



181B0623 @

OPT-B5-V+DNOT:3RO(NO)

OPT-B5-V+DNOT



181B0794 12

OPT-B1-V+DLES:6 programmableDI/DO

OPT-B1-V+DLES



181B0795 🗷

OPT-B1-V+DLDE:6 programmableDI/DO

OPT-B1-V+DLDE



181B0796 🗷

OPT-B4-V+DLDE:AI,2AO(mA,isol),+24V/EXT

OPT-B4-V+DLDE



181B0797 🗷

OPT-B5-V+DLES:3RO(NO)

OPT-B5-V+DLES



181B0798 🗷

OPT-B5-V+DLDE:3RO(NO)

OPT-B5-V+DLDE



181B0311 🗷

OPT-BH-V:3 temp meas channels

OPT-BH-V

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



Accessories	
	181B0310 [™]
	OPT-BF-V:
	OPT-BF-V
	181B0450 [™]
	OPT-BJ-V:
	OPT-BJ-V
	OPT-BH-V+DNOT:3 temp meas channels
	OPT-BH-V+DNOT
Image	OPT-E2-V:RS485 (Modbus/N2)
coming soon	OPT-E2-V
	OPT-C4-V+DNOT:LonWorks
	OPT-C4-V+DNOT
Imaga	141F4277 [™]
Image coming	OPT-BK-V:
soon	OPT-BK-V
	181B1482 [™]
	OPT-BJ-V+DLES:
	OPT-BJ-V+DLES
	181B2155 ₪
	OPT-BJ-V+DLFI:
	OPT-BJ-V+DLFI
	181B0800 [™]
**	OPT-BJ-V+DLDE:
	OPT-BJ-V+DLDE
-	181B0316 ¹²
	OPT-C4-V:LonWorks
	OPT-C4-V

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



Accessories	
lmage coming soon	181B3273 ☑ OPT-F5-V: OPT-F5-V
lmage coming soon	181B4135 ☑ OPT-E8-V:RS485 with Sub-D9 OPT-E8-V
lmage coming soon	181B2164 © OPT-E9-V+DNOT:2-port ethernet OPT-E9-V+DNOT
	181B1489 © OPT-E6-V+DNOT:CANopen OPT-E6-V+DNOT
	181B1488 © OPT-E5-V+DNOT:PROFIBUS DP with Sub-D9 OPT-E5-V+DNOT
	181B1487 © OPT-E3-V+DNOT:PROFIBUS DP OPT-E3-V+DNOT
	181B0492 ☑ OPT-E9-V:2-port ethernet OPT-E9-V
	181B0330 ☑ OPT-F4-V: OPT-F4-V
· Comments	181B0329 ☑ OPT-F3-V: OPT-F3-V
	181B0327 ☑ OPT-E6-V:CANopen OPT-E6-V

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



Accessories

W. Committee

181B0326 @

OPT-E5-V:PROFIBUS DP with Sub-D9

OPT-E5-V

Image coming soon 181B0075 🗷

MR5 IP54 -kit

VACON-ENC-IP54-MR05

Image coming 181B3003 🗷

VACON100 FLOW Application manual (10pcs)

DOC-APP100FLOW-10+DLUK

Image coming soon 141F4210 @

VACON-DEM-0100-1L-2-CASE democase

VACON-DEM-0100-1L-2-CASE

Image coming soon 181B5386 🗷

OPT-B9-V+DNOT:1RO(NO),5pcs of 41-240VAC

OPT-B9-V+DNOT

Image coming soon 181B5384 12

OPT-B4-V+BM1F-X2:AI,2AO(mA,isol),+24V/EX

OPT-B4-V+BM1F-X2

Spare Parts



181B1092 🗷

Control flat cable MR05

SPR-ELE01783

0000000000

181B1158 🗷

EMC jumper 10pcs

SPR-ELE08056



181B1157 🗷

MR Ground Fault Transformer Current Sens

SPR-ELE08037

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



Spare Parts



181B1049 🗷

Internal fan

SPR-MEC00978

181B1174 🗷



"MR05 Accessories kit, inch"

SPR-MEC02004



181B1206 12

MR05 Gland plate kit IP54, inch

SPR-MEC08050



181B1203 @

"MR05 Gland plate kit IP54, metric"

SPR-MEC08047



181B1200 🗷

"MR05 Gland plate kit IP21, inch"

SPR-MEC08043



181B1197 🗷

"MR05 Gland plate kit IP21, metric"

SPR-MEC08039



181B2990 🗷

Skiip 34NAB176V1 1700V 60A

SPR-ELE14770



181B0809 🗷

"MR05 Accessories kit, metric"

SPR-MEC01798



181B0384 🗷

Main fan MR05

SPR-MEC00977



181B2996 🗷

DC-capacitor 350uF 800V MR05

SPR-ELE27403

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



Spare Parts



181B1116 @

MR05 Main Cover IP54 Dark Grey, NCS 7010

VACON-SPR-MEC01962



181B1117 🗷

Main Cover MR05 IP21 Dark Grey, NCS 7010

VACON-SPR-MEC01963



181B1121 ¹²

MR05 HVAC/FLOW/100 Main cover assembly

VACON-SPR-MEC01978-HVAC



181B1387 @

MR05 Main Cover Dark Grey IP54

VACON-SPR-MEC01962-HVAC



181B1393 🗷

MR05 MainCoverIP21Dark Grey,NCS7010-R90B

VACON-SPR-MEC01963-HVAC



181B2997 12

I/O GND plate + connector cover kit MR05

SPR-MEC08053

Services



130R1120 🗷

DrivePro ExWarr Work Shop PG03 24 months

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

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



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 🗷





130R1123 🗷

DrivePro ExWarr Work Shop PG03 42 months

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

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



130R1126 🗷

DrivePro ExWarr Work Shop PG03 60 months

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

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



130R1125 🖸

DrivePro ExWarr Work Shop PG03 54 months

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

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



130R1124 ¹²

DrivePro ExWarr Work Shop PG03 48 months

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

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



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 ExWarr Work Shop PG03 72 months

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drives workshop, or shipment of a replacement product to the site.

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

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





130R1024 @

DrivePro ExWarr Onsite PG03 48 months

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

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



130R1025 🗷

DrivePro ExWarr Onsite PG03 54 months

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

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



130R1020 P

DrivePro ExWarr Onsite PG03 24 months

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

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



130R1022 [™]

DrivePro ExWarr Onsite PG03 36 months

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

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



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 2

DrivePro ExWarr Onsite PG03 66 months

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

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

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





130R1026 2

DrivePro ExWarr Onsite PG03 60 months

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

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



130R1028 🗷

DrivePro ExWarr Onsite PG03 72 months

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

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



130R1023 [2]

DrivePro ExWarr Onsite PG03 42 months

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

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



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.

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



ENGINEERING TOMORROW

Services



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.





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

130R1380 @

DrivePro Start-Up 1/2 day pre-order small

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

The following benefits can be gained:

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

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

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

General Terms and Conditions of Delivery and Warranty apply.

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



coming

130R1381 🗷

DrivePro Start-up 1/2 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.