

**134X9590****70-AC3L00124W03A121BM25-00056718**

VACON0020-3L-0012-4+EMC2+QPES

Frequency Converter

VACON0020-3L-0012-4+EMC2+QPESMI03-0012-4+IP20+EMC2

(0020) Vacon 020

3 Phase AC Input, 380–480 Vac

12 Amp, IP20/UL Open Type, EMC 2 Class

(+DBIN) Brake Chopper, 50 Hz, MI03

Other options according to Model code

Model code: VACON0020-3L-0012-4+EMC2+QPES

VACON® 20 comes with compactness and programming functionality that makes it one of the most easily adaptable drives available for OEM applications.

The VACON® 20 has a built-in PLC functionality according to IEC 61131-1 which brings cost savings to the user.

For the OEM or machine builder it is easy to change the software logic of the drive to adapt to their own control needs. The VACON® 20 supports a wide variety of fieldbus connections, which enable effective machine integration, eliminating the need for external fieldbus gateways and parallel I/O connections.

With the optional copying module, parameter configurations can be copied into the VACON® 20 during the installation phase with no need for mains power - saving both time and effort.

PRODUCT DETAILS

Gross weight		1.99 kg
Net weight		0.99 kg
Volume		6.273 l
EAN		5710108157623
Vacon 0010/20		
Product View (Switch)	GLBL	Global (Standard)
Product Group	VACON	(VACON) Vacon
Product Range	0020	(0020) Vacon 020
Segment	NONE	(NONE) Vacon 10/20
Customized	+BM25	(+BM25) Vacon0020 product
Regional	-R00	International
Input	-3L	3 Phase AC Input
Voltage	-4	380–480 Vac
Current	-0012	12 Amp
Current Description		12 AMP
API Selection	+SM20	API for Vacon0020
E Slot Option Board	+SE00	No Option
Mounting	-DM	Drive Module
Enclosure	+IP20	IP20/UL Open Type
EMC Level	+EMC2	EMC 2 Class
Enclosure Accessory A	+QPES	(+QPES) PE Plate Kit
Enclosure Accessory B	+Q000	(+Q000) No Additional Option

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

PRODUCT DETAILS

Documentation Language	+DLUK	(+DLUK) English
Documentation level	+DQCK	(+DQCK) Quick Guide
Label Language	+LLUK	(+LLUK) English
SW package	+F0107	(+F0107)VACON 20 SW package
Application	+A0000	(+A0000)No Special Application
Brake	+DBIN	(+DBIN) Brake Chopper
Display Units	+LSSI	(+LSSI)Metric Units of Measure
Frequency Setting	+LS50	50 Hz
Parameter Set	+L0000	(+L0000) No Parameter Set
Shipping Package	+GSCB	Cardboard Box as Shipping pack
UL Approval	+GAUL	(+GAUL) UL Approval
CE Approval	+GACE	(+GACE) CE Approval
C-tick Approval	+GACT	(+GACT) C-Tick Approval
KC Approval	+GAKC	(+GAKC) KC Approval
Standard Warranty	+WT01	(+WT01) Warranty 12/18 Months
Frame Size	MI03	MI03
Typecode Part 1		70-AC3L00124W03A121BM25
Typecode Part 2		-00056718
Modelcode01		VACON0020-3L-0012-4
Modelcode03		+EMC2+QPES
Product Catalog	GLBL	Global (Standard)
Salestext		MI03-0012-4+IP20+EMC2
Calculated Net Weight [kg]		1.3
Calculated Gross Weight [kg]		1.68
Motor Power High Overload [kW]		5.5
Dimensions WxHxD [mm]		100 X 255 X 109
Continuous Current (NO) [A]		3.3
Plant from Orderline		B401
Vendor	ERR01	Cannot Determine Vendor
Recommended Factory	ERR01	Cannot Determine Vendor
Help Counter		1
PREFIX AS PART OF STOCKCODE	70-	PREFIX FOR VXS020
VXS020 FRAME TYPE	A	Frame type A
Material Gross Weight		1.99
Material Net Weight		0.99
check if complete		OK
ECCN US		3A999.a
ECCN EU		X.A.I.003

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

Accessories



181B0325 [🔗](#)

OPT-E3-V:PROFIBUS DP

OPT-E3-V

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Accessories



181B0586 
OPT-E7-V:DeviceNet
OPT-E7-V



181B0244 
USB/RS485 cable
CAB-USB/RS485

Image
coming
soon

181B0269 
ENC-M101-Type 1 kit
ENC-IN01-MI1

Image
coming
soon

181B0526 
ENC-IN01-M12
ENC-IN01-MI2

Image
coming
soon

181B0271 
ENC-M103-Type 2 kit
ENC-IN01-MI3

Image
coming
soon

181B0466 
MI02 IP21 kit
ENC-IP21-MI2

Image
coming
soon

181B0491 
Vacon20 MI1~3 Option board mounting kit
ENC-SLOT-MC03-13

Image
coming
soon

181B0527 
ENC-M104-Type 1 kit
ENC-IN01-MI4

Image
coming
soon

181B0528 
MI05 Type1 kit
ENC-IN01-MI5

Image
coming
soon

181B0583 
MI4~5 Option board mounting kit
ENC-SLOT-MC03-45

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.



Accessories

Image
coming
soon**181B0789** [🔗](#)**MI03 IP21 kit**

ENC-IP21-MI3

Image
coming
soon**181B0894** [🔗](#)**Flange mounting kit**

ENC-QFLG-MI4

Image
coming
soon**181B0895** [🔗](#)**Flange mounting kit**

ENC-QFLG-MI5

Image
coming
soon**181B1759** [🔗](#)**MI05 PE-Plate kit 10 PCS**

ENC-QPES-MI5-10

Image
coming
soon**181B1230** [🔗](#)**MI01 IP21 kit**

ENC-IP21-MI1

Image
coming
soon**181B1732** [🔗](#)**MI01 PE-Plate kit 10 PCS**

ENC-QPES-MI1-10

Image
coming
soon**181B1758** [🔗](#)**MI04 PE-Plate kit 10 PCS**

ENC-QPES-MI4-10

Image
coming
soon**181B1733** [🔗](#)**MI02 PE-Plate kit 10 PCS**

ENC-QPES-MI2-10

Image
coming
soon**181B1757** [🔗](#)**MI03 PE-Plate kit 10 PCS**

ENC-QPES-MI3-10

Image
coming
soon**181B0073** [🔗](#)**2M RJ45 cable**

CAB-RJ45P-2M

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.



Accessories

Image
coming
soon

141F4273 [🔗](#)**VACON10 PB Demo suit case**

VACON-DEM-0010-1L-2-CASE

Image
coming
soon

141F4264 [🔗](#)**Vacon0020 Demo case VACON**

VACON-DEM-0020-1L-1-CASE

**181B5377** [🔗](#)**USB/RS485 cable**

CAB-USB/RS485+BM1E

Spare Parts

Image
coming
soon

181B0929 [🔗](#)**MC03 Control Unit for MI04-MI05**

SPR-CMB03024

**181B0244** [🔗](#)**USB/RS485 cable**

CAB-USB/RS485

Image
coming
soon

181B2621 [🔗](#)**MI04 Main Cover IP21 Medium Grey**

VACON-SPR-MEC03025

Image
coming
soon

181B0269 [🔗](#)**ENC-M101-Type 1 kit**

ENC-IN01-MI1

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**130R1102** [🔗](#)**DrivePro ExWarr Work Shop PG01 36 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drivesworkshop, 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 officefor extended warranty contract options

**130R1104** [🔗](#)**DrivePro ExWarr Work Shop PG01 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 officefor extended warranty contract options.

**130R1103** [🔗](#)**DrivePro ExWarr Work Shop PG01 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 officefor extended warranty contract options.

**130R1105** [🔗](#)**DrivePro ExWarr Work Shop PG01 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.

**130R1107** [🔗](#)**DrivePro ExWarr Work Shop PG01 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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**130R1106** **DrivePro ExWarr Work Shop PG01 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.

**130R1108** **DrivePro ExWarr Work Shop PG01 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.

**130R1101** **DrivePro ExWarr Work Shop PG01 30 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drivesworkshop, 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 officefor extended warranty contract options

**130R1004** **DrivePro ExWarr Onsite PG01 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.

**130R1006** **DrivePro ExWarr Onsite PG01 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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**130R1002** **DrivePro ExWarr Onsite PG01 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.

**130R1001** **DrivePro ExWarr Onsite PG01 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.

**130R1000** **DrivePro ExWarr Onsite PG01 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.

**130R1008** **DrivePro ExWarr Onsite PG01 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.

**130R1005** **DrivePro ExWarr Onsite PG01 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.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**130R1003** **DrivePro ExWarr Onsite PG01 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.

**130R1007** **DrivePro ExWarr Onsite PG01 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.

**130R1100** **DrivePro ExWarr Work Shop PG01 24 months**

DrivePro® Standard Extended Warranty provides repair at a Danfoss Drivesworkshop, 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 

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Services

**134X9590** **70-AC3L00124W03A121BM25-00056718**

VACON0020-3L-0012-4+EMC2+QPES

Frequency Converter

VACON0020-3L-0012-4+EMC2+QPESMI03-0012-4+IP20+EMC2

(0020) Vacon 020

3 Phase AC Input, 380–480 Vac

12 Amp, IP20/UL Open Type, EMC 2 Class

(+DBIN) Brake Chopper, 50 Hz, MI03

Other options according to Model code

Model code: VACON0020-3L-0012-4+EMC2+QPES

VACON® 20 comes with compactness and programming functionality that makes it one of the most easily adaptable drives available for OEM applications.

The VACON® 20 has a built-in PLC functionality according to IEC 61131-1 which brings cost savings to the user.

For the OEM or machine builder it is easy to change the software logic of the drive to adapt to their own control needs. The VACON® 20 supports a wide variety of fieldbus connections, which enable effective machine integration, eliminating the need for external fieldbus gateways and parallel I/O connections.

With the optional copying module, parameter configurations can be copied into the VACON® 20 during the installation phase with no need for mains power - saving both time and effort.

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.