




**135N1161**   
**70-AC3L00384W05A221BM25-00057198**  
 VACON0020-3L-0038-4+EMC2+QPES

Frequency Converter  
 VACON0020-3L-0038-4+EMC2+QPESMI05-0038-4+IP21+EMC2  
 (0020) Vacon 020  
 3 Phase AC Input, 380–480 Vac  
 38 Amp, IP21/UL Open Type, EMC 2 Class  
 (+DBIN) Brake Chopper, 50 Hz, MI05  
 Other options according to Model code

**Model code:** VACON0020-3L-0038-4+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**

<b>Gross weight</b>	11 kg	
<b>Net weight</b>	10 kg	
<b>Volume</b>	31.167 l	
<b>EAN</b>	5710108173357	
<b>Vacon 0010/20</b>		
<b>Product View (Switch)</b>	GLBL	Global (Standard)
<b>Product Group</b>	VACON	(VACON) Vacon
<b>Product Range</b>	0020	(0020) Vacon 020
<b>Segment</b>	NONE	(NONE) Vacon 10/20
<b>Customized</b>	+BM25	(+BM25) Vacon0020 product
<b>Regional</b>	-R00	International
<b>Input</b>	-3L	3 Phase AC Input
<b>Voltage</b>	-4	380–480 Vac
<b>Current</b>	-0038	38 Amp
<b>Current Description</b>	38 AMP	
<b>API Selection</b>	+SM20	API for Vacon0020
<b>E Slot Option Board</b>	+SE00	No Option
<b>Mounting</b>	-DM	Drive Module
<b>Enclosure</b>	+IP21	IP21/UL Open Type
<b>EMC Level</b>	+EMC2	EMC 2 Class
<b>Enclosure Accessory A</b>	+QPES	(+QPES) PE Plate Kit
<b>Enclosure Accessory B</b>	+Q000	(+Q000) No Additional Option

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## 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	MI05	MI05
Typecode Part 1		70-AC3L00384W05A221BM25
Typecode Part 2		-00057198
Modelcode01		VACON0020-3L-0038-4
Modelcode03		+EMC2+QPES
Product Catalog	NO_VIEW	NO VIEW
Salestext		MI05-0038-4+IP21+EMC2
Calculated Net Weight [kg]		7
Calculated Gross Weight [kg]		8
Motor Power High Overload [kW]		18.5
Dimensions WxHxD [mm]		165 X 414 X 202
Continuous Current (NO) [A]		9
Plant from Orderline		A902
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		11
Material Net Weight		10
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

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**Accessories**

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**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

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soon

**181B0583** [🔗](#)  
**MI4~5 Option board mounting kit**  
ENC-SLOT-MC03-45

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## Accessories

Image  
coming  
soon**181B0789** [🔗](#)**MI03 IP21 kit**  
ENC-IP21-MI3Image  
coming  
soon**181B0894** [🔗](#)**Flange mounting kit**  
ENC-QFLG-MI4Image  
coming  
soon**181B0895** [🔗](#)**Flange mounting kit**  
ENC-QFLG-MI5Image  
coming  
soon**181B1759** [🔗](#)**MI05 PE-Plate kit 10 PCS**  
ENC-QPES-MI5-10Image  
coming  
soon**181B1230** [🔗](#)**MI01 IP21 kit**  
ENC-IP21-MI1Image  
coming  
soon**181B1732** [🔗](#)**MI01 PE-Plate kit 10 PCS**  
ENC-QPES-MI1-10Image  
coming  
soon**181B1758** [🔗](#)**MI04 PE-Plate kit 10 PCS**  
ENC-QPES-MI4-10Image  
coming  
soon**181B1733** [🔗](#)**MI02 PE-Plate kit 10 PCS**  
ENC-QPES-MI2-10Image  
coming  
soon**181B1757** [🔗](#)**MI03 PE-Plate kit 10 PCS**  
ENC-QPES-MI3-10Image  
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** [🔗](#)

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Accessories



**181B0404** [🔗](#)  
**HMI door mounting kit with 3M cable**  
 VACON-PAN-HMDR-TMX-MC03-3M

Image coming soon

**181B0673** [🔗](#)  
**VACON-PAN-HMTX-MC06-CP**  
 VACON-PAN-HMTX-MC06-CP

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

Image coming soon

**181B5381** [🔗](#)  
**Vacon10 MI1~3 Option board mounting kit**  
 ENC-SLOT-MC01-C+BM1E

Image coming soon

**181B5382** [🔗](#)  
**MI1~3 Option board mounting kit**  
 ENC-SLOT-MC03-13+BM1F

Image coming soon

**181B5383** [🔗](#)  
**MI4~5 Option board mounting kit**  
 ENC-SLOT-MC03-45+BM1F

Image coming soon

**181B5388** [🔗](#)  
**OPT-E5-V+BM1E-X1:PROFIBUS DP with Sub-D9**  
 OPT-E5-V+BM1E-X1

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## Spare Parts

Image  
coming  
soon

**181B1621** [🔗](#)

**Main Fan MI05**

SPR-MEC03717

Image  
coming  
soon

**181B2283** [🔗](#)

**Accessories kit MI05**

SPR-MEC03713



**181B0244** [🔗](#)

**USB/RS485 cable**

CAB-USB/RS485

Image  
coming  
soon

**181B3043** [🔗](#)

**MI05 RS485 Passive Adapter**

SPR-ELE05190

Image  
coming  
soon

**181B2622** [🔗](#)

**MI05 Main Cover IP21 Medium Grey**

VACON-SPR-MEC03709

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

## Services



**130R1118** [🔗](#)

**DrivePro ExWarr Work Shop PG02 72 months**

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

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

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**Services**

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**130R1110** [🔗](#)**DrivePro ExWarr Work Shop PG02 24 months**

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**130R1112** [🔗](#)**DrivePro ExWarr Work Shop PG02 36 months**

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**130R1111** [🔗](#)**DrivePro ExWarr Work Shop PG02 30 months**

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

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**130R1113** [🔗](#)**DrivePro ExWarr Work Shop PG02 42 months**

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

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**130R1115** [🔗](#)**DrivePro ExWarr Work Shop PG02 54 months**

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

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**130R1116** [🔗](#)**DrivePro ExWarr Work Shop PG02 60 months**

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**Services**

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**130R1117** [🔗](#)**DrivePro ExWarr Work Shop PG02 66 months**

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

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**130R1114** [🔗](#)**DrivePro ExWarr Work Shop PG02 48 months**

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

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**130R1013** [🔗](#)**DrivePro ExWarr Onsite PG02 42 months**

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

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

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**130R1016** [🔗](#)**DrivePro ExWarr Onsite PG02 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.

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**130R1015** [🔗](#)**DrivePro ExWarr Onsite PG02 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.

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**130R1014** [🔗](#)**DrivePro ExWarr Onsite PG02 48 months**

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

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**Services**

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**130R1012** [🔗](#)**DrivePro ExWarr Onsite PG02 36 months**

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

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**130R1010** [🔗](#)**DrivePro ExWarr Onsite PG02 24 months**

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

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**130R1018** [🔗](#)**DrivePro ExWarr Onsite PG02 72 months**

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

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**130R1017** [🔗](#)**DrivePro ExWarr Onsite PG02 66 months**

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

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(0020) Vacon 020

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