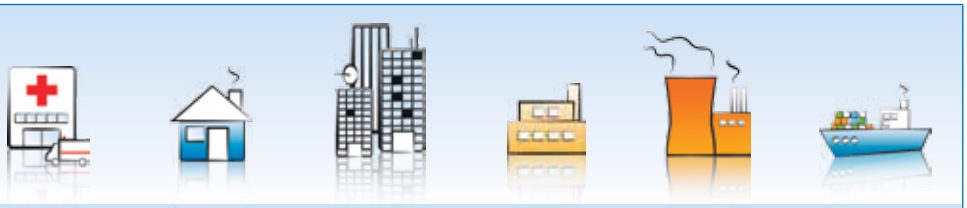
VACON NXC OPTIONS

Control terminal options (T group)	
+TIO	Basic I/O wired to external single-tier terminals
+TID	Basic I/O wired to external two-tier terminals + additional terminals
+TUP*	Terminals for 230 VAC control voltage
Input device options (I group)	
+ILS*	Load switch
+IFD	Switch fuse and fuses
+ICB*	Circuit breaker
+ICO	Input contactor
+IFU	Input fuses
Main circuit options (M group)	
+MDC	Terminals in cabinet for DC / brake chopper
Output filter options (O group)	
+OCM	Common mode filters
+OCH	Common mode filters with output terminals
+ODU	du/dt filter
+OSI	Sine wave filter
Protection devices (P group)	
+PTR	External thermistor relay
+PES	Emergency stop (cat 0)
+PED	Emergency stop (cat 1)
+PAP	Arc protection
+PIF	Insulation fault sensor
General options	
+G40	400 mm empty cabinet
+G60	600 mm empty cabinet
+G80	800 mm empty cabinet
+GPL	100 mm base
+GPH	200 mm base
+FAT	Factory acceptance tests
+MAR	Marine construction
+SWP	Seaworthy packing

* Included as standard in low-harmonic drives

Cabling options (C group)	
+CIT	Input (mains) cabling from top
+COT	Output (motor) cabling from top
Auxiliary equipment (A group)	
+AMF	Motor fan control
+AMH	Motor heater feeder
+AMB	Mechanical brake control
+AMO*	Motor operator for +ICB
+ACH	Cabinet heater
+ACL	Cabinet light
+ACR	Control relay
+AAI	Analogue signal isolator
+AAA	Auxiliary contact (control voltage devices)
+AAC	Auxiliary contact (input device)
+AT1	Auxiliary voltage transformer 200 VA
+AT2*	Auxiliary voltage transformer 750 VA
+AT3	Auxiliary voltage transformer 2500 VA
+AT4	Auxiliary voltage transformer 4000 VA
+ADC*	Power supply 24 VDC 2.5 A
+ACS	230 VAC customer socket
Door-mounted options (D group)	
+DLV	Pilot light (Control voltage on)
+DLD	Pilot light (DO1)
+DLF	Pilot light (FLT)
+DLR	Pilot light (RUN)
+DCO*	Main contactor operation switch
+DRO*	Local / Remote operation switch
+DEP	Emergency stop push-button
+DRP	Reset push-button
+DAM	Analogue meter (AO1)
+DAR	Potentiometer for reference
+DCM	Analogue meter & current transformer
+DVM	Analogue voltage meter with selection switch

EMC SELECTION TABLE



Vacon NXP EMC	Hospital	Residential Area	Commercial	Light Industry Area	Heavy Industry	Marine
C (Category C1)	O					
H (Category C2)	R	R	R	O	O	
L (Category C3)				R	R	
T (Category C4)					R (IT)	R (IT)

The product family standard EN 61800-3 sets limits for both emissions and immunity to radio frequency disturbances. The environment has been divided into the first and second environments; in practice, public and industrial networks, respectively.

Radio Frequency Interference (RFI) filters are typically required to meet the EN 61800-3 standard. These filters are integrated in the VACON NXP as standard.

The 208–240 V and 380–500 V ranges of the VACON NXP (FR4-FR9) meet the requirements of the first and second environments (H level: EN 61800-3(2004), category C2). No additional RFI filters or cabinets are required. The FR10-FR14 and the 500-690 V ranges of the VACON NXP meet the requirements of the second environment (L-level: EN 61800-3(2004), category C3).

The units in the frame sizes FR4, FR5 and FR6 (with a voltage range from 380 to 500 V) are also available with extremely low-emission integrated EMC filters (C level: EN 61800-3 (2004), category C1). This is sometimes required in very sensitive locations, such as hospitals.

TYPE CODE KEY

NXC	0520	5	A	2	L	0	S	S	F	A1 A2 00 00 00	+	IFD

NXC — **Product Range**
NXP = wall-mounted / standalone / module
NXC = cabinet

0520 — **Nominal current voltage**
0520 = 520 A

5 — **Nominal mains voltage**
2 = 208-240 V **5** = 380-500 V **6** = 525-690 V

A — **Control keypad**
A = standard alphanumeric **B** = no local keypad
F = dummy keypad **G** = graphic display

2 — **Enclosure class**
5 = IP 54, FR4-10; NXC FR9-FR14; AF9-14
2 = IP 21, FR4-11; NXC FR9-FR14; AF9-14
0 = IP 00, NXP FR10-14

L — **EMC emission levels**
C = category C1, EN 61800-3 **H** = category C2, EN 61800-3
L = category C3, EN 61800-3 **T** = for IT networks
N = enclosure required (FR10-FR14)

0 — **Brake chopper**
0 = no brake chopper
1 = integrated brake chopper

S — **Supply**
S = 6-pulse
T = 12-pulse
O = 6-pulse + load switch (standalone)
R = Low-harmonic

S — **Cooling**
S = standard air-cooled
T = through-hole mounting FR4-FR9

F — **Control**
S = standard FR4-FR8 **F =** standard FR9 and NXC
A = standard NXP FR10-FR12 **N =** standard IP00 > FR10 & NXC with IP54 control unit enclosure
V = as S, but varnished **G =** as F, but varnished boards
O = as N, but varnished boards **B =** as A, but varnished boards

A1 A2 00 00 00 — **Option boards; each slot is represented by two characters:**
Ax = basic I/O boards, **Bx** = expander I/O boards
Cx = fieldbus boards, **Dx** = special boards

+

IFD — **NXC options, see tables p. 22**

NOTES