

# Ordering type code for VLT® HVAC Drive

[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18]  
 FC-102 - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - X - SXX X - X - [ ] - [ ] - CX - X - XX - [ ]

## [1] Application

102 VLT® HVAC Drive FC 102

## [2] Power Size

P1K1	
P1K5	
P2K2	
P3K0	
P3K7	
P4K0	
P5K5	
P7K5	
P11K	
P15K	
P18K	
P22K	
P30K	
P37K	
P45K	
P55K	
P75K	
P90K	See ratings data on page 22
P110	for power ratings
P132	
P160	
P200	
P250	
P315	
P355	
P400	
P450	
P500	
P560	
P630	
P710	
P800	
P900	
P1M0	
P1M2	
P1M4	

## [3] AC Line Voltage

T2	3 x 200/240 V AC (1.1 – 45 kW)
T4	3 x 380/480 V AC
T6	3 x 525/600 V AC (1.1 – 90 kW)
T7	3 x 525/690 V AC (45 kW – 1.2 MW)

## [4] Enclosure

For cabinet mounting:	
E00	IP 00/Chassis (enclosure D3, D4)
E20	IP 20/Chassis (encl. A2, A3, B3, B4, C3, C4)
Standalone:	
E21	IP 21/Type 1 (encl. B1, B2, C1, C2, D1, D2, E, F)
E54	IP 54/Type 12 (encl. D1, D2, E, F)
E55	IP 55/Type 12 (encl. A5, B1, B2, C1, C2)
E66	IP 66/Type 4x Outd. (encl. A5, B1, B2, C1, C2)
Special designs:	
C00	IP 00/Chassis (encl. E00 – air duct in stainless steel)
P20	IP 20/Chassis (encl. B4, C3, C4 – Back Plate)
E2M	IP 21/Type 1 (encl. D1, D2 – protective cover)
P21	IP 21/Type 1 (encl. as E21 – Back Plate)
E5M	IP 54/Type 12 (encl. D1, D2 – protective cover)
P55	IP 55/Type 12 (encl. as E55 – Back Plate)

## [5] RFI Filter (EN 55011)

H1	RFI-Filter Class A1/B (A, B, C)
H2	RFI-Filter, Class A2 (A, B, C, D, E, F)
H3	RFI-Filter Class A1/B (A, B, C)
H4	RFI-Filter, Class A1 (D, E, F)
H6	RFI-Filter for Marine
HX	No RFI-Filter (A, B, C, 525 – 600 V)

## [6] Braking & Safety

X	No brake IGBT
B	Brake IGBT mounted
T	Safe stop without brake
U	With brake and Safe Stop

## [7] Display (Local Control Panel)

X	Blank faceplate, no LCP installed
G	LCP 102 – Graphic LCP installed
N	LCP 101 – Numeric LCP installed

## [8] Conformal Coating (IEC 721-3-3)

X	No conformal coating
C	Conformal coating on all PCBs

## [9] Mains Input

X	No option
1	Mains disconnect
3	Mains disconnect and fuses
5	Mains disconnect, fuses and load sharing
7	Fuses
A	Fuses & load sharing terminals
D	Load sharing terminals

## [10] Cable

X	Standard Cable Entries
O	Metric Cable Entries
S	US cable entries

## [13] A Option (Fieldbus)

AX	No fieldbus option
A0	MCA 101 – Profibus DPV1
A4	MCA 104 – DeviceNet
AG	MCA 108 – LonWorks
AJ	MCA 109 – BACnet

## [14] B Option (Application)

BX	No application option
BK	MCB 101 – General Purpose I/O
BP	MCB 105 – Relay Expansion
B0	MCB 109 – Analogue I/O
B2	MCB 102 – PTC Thermistor Card

## [18] D Option (Control Power Backup Input)

DX	No DC input installed
D0	MCB 107 24 VDC backup input

**Please beware that not all combinations are possible. Find help configuring your drive with the online configurator found under: [driveconfig.danfoss.com](http://driveconfig.danfoss.com)**

Based on your selection, Danfoss manufactures the desired VLT® HVAC Drive to your specification. You will receive a fully assembled frequency converter, tested under full load conditions.

