

**DANFOSS DRIVES**

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**Product:** Frequency converter

**Model:** VLT@ HVAC Drive series FC102

FC-102: 380-480V					
Power rating [kW]	Enclosure type			RFI filter	
	IP00 (*1)	IP21 (*2)	IP54 (*3)	Type (*4)	
110	D3	D1	D1	H2**	H6
132					
160					
200	D4	D2	D2	H2**	H6
250					

FC-102: 525-690V					
Power rating [kW]	Enclosure type			RFI filter	
	IP00 (*1)	IP21 (*2)	IP54 (*3)	Type (*4)	
45	D3	D1	D1	H2**	N/A
55					
75					
90					
110					
132					
160	D4	D2	D2	H2**	N/A
200					
250					
315					
400					

(\*1) IP00/Panel mount.

(\*2) IP21/NEMA Type 1

(\*3) IP54/NEMA Type 12

(\*4) H6 RFI complies with all IACS E10 requirements. H2 RFI complies with IACS E10 requirements except radiated and conducted emissions.

**\*\*Limitations:** Converters with conducted and radiated emission above the IACS E10 required limits can be installed in “special distribution zone” and “general power distribution zone”, in accordance with IEC60553 provided measures are taken to attenuate these effects on the distribution system, so safe operation is assured. Planned EMC measures shall be submitted for approval prior installation onboard.

**Product:** Frequency converter  
**Model:** VLT@ AQUA Drive series FC202

380-480V					
Power rating [kW]	Enclosure type			RFI filter	
	IP00 (*1)	IP21 (*2)	IP54 (*3)	Type (*4)	
110	D3	D1	D1	H2**	H6
132					
160					
200	D4	D2	D2	H2**	H6
250					

525-690V					
Power rating [kW]	Enclosure type			RFI filter	
	IP00 (*1)	IP21 (*2)	IP54 (*3)	Type (*4)	
45	D3	D1	D1	H2**	N/A
55					
75					
90					
110					
132					
160	D4	D2	D2	H2**	N/A
200					
250					
315					
400					

(\*1) IP00/Panel mount.

(\*2) IP21/NEMA Type 1

(\*3) IP54/NEMA Type 12

(\*4) H6 RFI complies with all IACS E10 requirements. H2 RFI complies with IACS E10 requirements except radiated and conducted emissions.

**\*\*Limitations:** Converters with conducted and radiated emission above the IACS E10 required limits can be installed in “special distribution zone” and “general power distribution zone”, in accordance with IEC60553 provided measures are taken to attenuate these effects on the distribution system, so safe operation is assured. Planned EMC measures shall be submitted for approval prior installation onboard

**Product:** Frequency converter

**Model:** VLT® Automation Drive FC300 series type FC301/302

380-500V					
Power rating [kW]	Enclosure type			RFI filter	
	IP00 (*1)	IP21 (*2)	IP54 (*3)	Type (*4)	
90	D3	D1	D1	H2**	H6
110					
132					
160	D4	D2	D2	H2**	H6
200					

525-690V					
Power rating [kW]	Enclosure type			RFI filter	
	IP00 (*1)	IP21 (*2)	IP54 (*3)	Type (*4)	
37	D3	D1	D1	H2**	N/A
45					
55					
75					
90					
110					
132	D4	D2	D2	H2**	N/A
160					
200					
250					
315					

(\*1) IP00/Panel mount.

(\*2) IP21/NEMA Type 1

(\*3) IP54/NEMA Type 12

(\*4) H6 RFI complies with all IACS E10 requirements. H2 RFI complies with IACS E10 requirements except radiated and conducted emissions.

**\*\*Limitations:** Converters with conducted and radiated emission above the IACS E10 required limits can be installed in “special distribution zone” and “general power distribution zone”, in accordance with IEC60553 provided measures are taken to attenuate these effects on the distribution system, so safe operation is assured. Planned EMC measures shall be submitted for approval prior installation onboard.



## **Brand labelling and customer specific definitions**

Brand labelling and customer specific drives are following the type codes except the characters 1-6 for product group and VLT series. Character 1-6 are used for customer specific definitions.

### **Basic string definitions for brand labelling and customer specific drives:**

#### **Product Group and VLT series (character 1-6)**

AF-600	Equals to FC-102
AKD102	Equals to FC-102
ADS102	Equals to FC-102
IVS102	Equals to FC-102
TR-200	Equals to FC-102
ITT102	Equals to FC-102
CUE202	Equals to FC-202
LD-302	Equals to FC-302
IR-302	Equals to FC-302
IRV302	Equals to FC-302
CD-302	Equals to FC-302
MWU302	Equals to FC-302
CDS302	Equals to FC-302
DV-302	Equals to FC-302
3G3DV	Equals to FC-302
LB-302	Equals to FC-302
AFE302	Equals to FC-302
AF-650	Equals to FC-302
FCK302	Equals to FC-302
FC-312	Equals to FC-302
FC-311	Equals to FC-301