

The following test results are obtained using a system with frequency converter, a scanned control cable, a control. The box is a potencyometer, as well as changing the frequency of the engine and the scanned motor cable nominally. Maxial motor cable lengths are indicated as appropriate.

RFI filter type		Emissions carried out			Emitted emissions		
		Cable length [m]			Cable length [m]		
Standards and requirements	55011	Class B Residential, artisan and light Industry	Class A Group 1 Industrial environment	Class A Group 2 Industrial environment	Class B Residential, artisan and light Industry	Class A Group 1 Industrial environment	Class A Group 2 Industrial environment
	EN/IEC 61800-3	Category C1 Home and office	Category C2 Home and Of	Category C3 Industrial	Category C1 Home & Office	Category C2 Home and office	Category C3 Industrial
H1							
FC 102	1.1-45 kW 200-240 V	50	150	150	No	Yes	Yes
	1.1-90 kW 380-480 V	50	150	150	No	Yes	Yes
H2							
FC 102	1.1-3.7 kW 200-240 V	No	No	5	No	No	No
	5.5-45 kW 200-240 V	No	No	25	No	No	No
	1.1-7.5 kW 380-500 V	No	No	5	No	No	No
	11-90 kW 380-500 V ⁴⁾	No	No	25	No	No	No
	11-22 kW 525-690 V ^{1, 4)}	No	No	25	No	No	No
	30-90 kW 525-690 V ^{2, 4)}	No	No	25	No	No	No
H3							
FC 102	1.1-45 kW 200-240V	10	50	75	No	Yes	Yes
	1.1-90 kW 380-480V	10	50	75	No	Yes	Yes
H4							
FC 102	11-30 kW 525-690 V ¹⁾	No	100	100	No	Yes	Yes
	37-90 kW 525-690 V ²⁾	No	150	150	No	Yes	Yes
Hx³⁾							
FC 102	1.1-90 kW 525-600 V	No	No	No	No	No	No

EMC Test Results (Emissions)

1) Enclosure Type B

2) Enclosure Type C

3) Hx versions available according to EN/IEC 61800-3 category C4

4) The T7 is compatible with class A group 1 with 37-90 kW, 25 m engine cable. Some restrictions apply to installation (contact Danfoss for details). The code HX, H1, H2, H3, H4, or H5 is defined in the pos type. 16-17 for EMC filters

HX - No built-in EMC filter in frequency converter (600 V unit only)

H1 - Integrated EMC filter. Fulfil EN 55011 Class A1/B and EN/IEC 61800-3 Category 1/2 H2 -

No additional EMC filter. Fulfil EN 55011 Class A2 and EN/IEC 61800-3 Category 3 H3 -

Integrated EMC filter. Fulfil EN 55011 class A1/B and EN/IEC 61800-3 Category 1/2 H4 -

Integrated EMC filter. Fulfil EN 55011 class A1 and EN/IEC 61800-3 Category 2

H5 - Marine versions. Meet the same emission levels as H2 versions