

The following test results have obtained a system with frequency converter, a control cable with a screen, a control box with a pocinciometer and a single motor with nominal switching frequency and motor cable with screen.

RFI filter type		Emissions carried out			Emitted emissions		
		Cable length [m]					
Standards and requirements	EN 55011/CISPR 11	Class B	Class A Group 1	Class A Group 2	Class B	Class A Group 1	Class A Group 2
	EN/IEC 61800-3	Category C1	Category C2	Category C3	Category C1	Category C2	Category C3
H1							
FC 301	0-37 kW 200-240 V	10	50	50	No	Yes	Yes
	0-75 kW 380-480 V	10	50	50	No	Yes	Yes
FC 302	0-37 kW 200-240 V	50	150	150	No	Yes	Yes
	0-75 kW 380-480 V	50	150	150	No	Yes	Yes
H2/H5							
FC 301	0-3.7 kW 200-240 V	No	No	5	No	No	Yes
FC 302	5.5-37 kW 200-240 V ²⁾	No	No	25	No	No	Yes
	0-7.5 kW 380-500 V	No	No	5	No	No	Yes
	11-75 kW 380-500 V ²⁾	No	No	25	No	No	Yes
	11-22 kW 525-690 V ²⁾	No	No	25	No	No	Yes
	30-75 kW 525-690 V ²⁾	No	No	25	No	No	Yes
H3							
FC 301	0-1.5 kW 200-240V	2.5	25	25	No	Yes	Yes
	0-1.5 kW 380-480V	2.5	25	25	No	Yes	Yes
H4							
FC 302	1.1-7.5 kW 525-690 V	No	100	100	No	Yes	Yes
	11-22 kW 525-690 V	No	100	100	No	Yes	Yes
	11-37 kW 525-690 V ³⁾	No	150	150	No	Yes	Yes
	30-75 kW 525-690 V	No	150	150	No	Yes	Yes
Hx¹⁾							
FC 302	0.75-75 kW 525-600 V	No	No	No	No	No	No

EMC Test Results (Emission) Maximum Engine Cable Length

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

2) The T5 is compatible with class A group I with 22-45 kW and T7, 22-75 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, see

3) IP20