

FC 101 Filter Cable Distances

The following test results are obtained using an adjustable frequency driven system, a protected control cable, a control box with a potentiometer and an engine-protected cable.

RFI Filter Type	Perform emissions. Maximum protected cable length [m]						Emitted emissions			
	Industrial environment				Housing, tradesmen and light industries		Industrial environment		Housing, tradesmen and light industries	
	EN 55011 Class A2		EN 55011 Class A1		EN 55011 Class B		EN 55011 Class A1		EN 55011 Class B	
	Without external Filter	External Filter	Without external Filter	External Filter	Without external Filter	External Filter	Without external Filter	External Filter	Without external Filter	External Filter
H4 RFI filter (Class A1)										
0,34-15 hp [0,25-11 kW] 3x200-240 V IP20			25	50		20	Yes	Yes		No
0,5-30 hp [0,37-22 kW] 3x380-480 V IP20			25	50		20	Yes	Yes		No
H2 RFI filter (Class A2)										
2-60 hp [1,5-45 kW] 3x200-240 V IP20	25						No		No	
40-125 hp [30-90 kW] 3x380-480 V IP20	25						No		No	
1-25 [0,75-18,5 kW] 3x380-480 V IP54	25						Yes			
30-125 hp [22-90 kW] 3x380-480 V IP54	25						No		No	
H3 RFI filter (Class A1/B)										
2-60 hp [1,5-45 kW] 3x200-240 V IP20			50		20		Yes		No	
40-125 hp [30-90 kW] 3x380-480 V IP20			50		20		Yes		No	
1-25 [0,75-18,5 kW] 3x380-480 V IP54			25		10		Yes			
30-125 hp [22-90 kW] 3x380-480 V IP54			50		10		Yes		No	