



Power Standards Laboratory
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SEMI F47-0706

(Reapproved 0812)

Voltage Sag Immunity Compliance Certificate

Adjustable Frequency Drive

Model: VLT® HVAC Drive series FC-102, FC-202
(See Annex 1 for more detailed model description)

Description: Adjustable Frequency Drive
Manufacturer Name: Danfoss Drives A/S
Manufacturer Address: Design Center EU, Ulsnaes 1, DK 6300 Graasten, Denmark
Test Date and Location: 21 March 2017, same as above
Tested configuration: Normal operation and motor load connection

Pass/Fail criteria: All electrical connections active and no error messages during all voltage sags

Certification:
Power Standards Laboratory certifies that the above drive meets the requirements of SEMI F47-0706 for voltage sag immunity when tested according to the procedures set forth in IEC 61000-4-34. This project was covered under the PSL TestingPartner Program for Danfoss Drives A/S. This certificate is based on certificate DAN-20A. No changes have been done since. Both models have same electrical design.



Adjustable Frequency Drive
(representative sample)



Andreas Eberhard

30 June 2020

Power Standards Lab

Certificate expires 3 years after of the issuance date

ANNEX 1

Description of the VLT® HVAC Drive FC 102, FC 202 Series

Type	IP20	IP21	IP55/66	Mains Supply [Vac]	Power [kW]
FC202	k25	X	X	200-240	0.25
FC202	k37	X	X	200-240/380-480	0.37
FC202	k55	X	X	200-240/380-480	0.55
FC202	k75	X	X	200-240/380-480	0.75
FC102/202	1k1	X	X	200-240/380-480/525-600/525-690	1.1
FC102/202	1k5	X	X	200-240/380-480/525-600/525-690	1.5
FC102/202	2k2	X	X	200-240/380-480/525-600/525-690	2.2
FC102/202	3k0	X	X	200-240/380-480/525-600/525-690	3
FC102/202	3k7	X	X	200-240	3.7
FC10/2022	4k0	X	X	380-480/525-600/525-690	4
FC102/202	5k5	X	X	200-240/380-480/525-600/525-690	5.5
FC102/202	7k5	X	X	200-240/380-480/525-600/525-690	7.5
FC102/202	11k	X	X	200-240/380-480/525-600/525-690	11
FC102/202	15k	X	X	200-240/380-480/525-600/525-690	15
FC102/202	18k	X	X	200-240/380-480/525-600/525-690	18.5
FC102/202	22k	X	X	200-240/380-480/525-600/525-690	22
FC102/202	30k	X	X	200-240/380-480/525-600/525-690	30
FC102/202	37k	X	X	200-240/380-480/525-600/525-690	37
FC102/202	45k	X	X	200-240/380-480/525-600/525-690	45
FC102/202	55k	X	X	380-480/525-600/525-690	55
FC102/202	75k	X	X	380-480/525-600/525-690	75
FC102/202	90k	X	X	380-480/525-600/525-690	90