



Power Standards Laboratory
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SEMI F47-0706 (Reapproved 0812)

Voltage Sag Immunity Compliance Certificate

FC-102, FC-202, FC-302
(See Annex 1 for details)

Description: VLT Frequency Converter

Manufacturer: Danfoss LLC

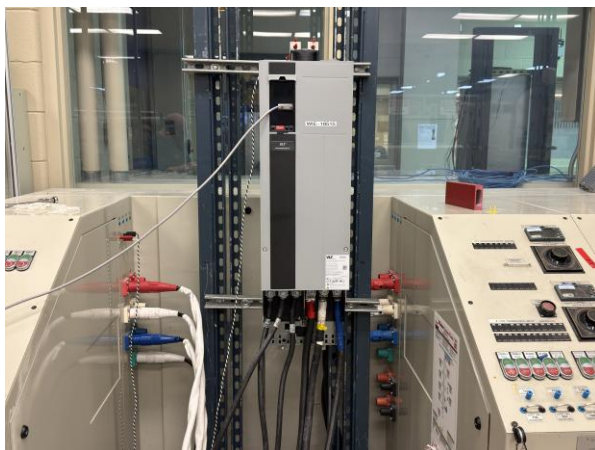
Manufacturer Address: 4401 N Bell School Rd, Loves Park, IL 61111, USA

Test Date and Location: June 24th, 2026, 4401 N Bell School Rd, Love Park, IL 61111

Test Configuration: 3-phase Delta, 3-wire+PE, 400V 60Hz

Certification Pass/Fail criteria: The full load of the VFD was not able to be tested due to limitation of the IPC generator. In PSL's engineering judgement, this is the worst-case condition for this test.

Certification: 1. Power Standards Laboratory certifies that the above tool met the requirements of SEMI F47 0706 for voltage sag immunity when tested according to the procedures set forth in IEC 61000-4 34. An IPC Voltage Sag Generator was used for the testing that fully complies with IEC 61000-4 34. This certificate is based on Report DANFOSS-27664.



Marco Mancilla

Marco Mancilla, July 27th, 2026

Power Standards Lab

<http://www.PowerStandards.com>

Certificate expires 5 years after the issuance date.

ANNEX 1

VLT® HVAC Drive series FC-102

VLT® AQUA Drive series FC-202

VLT® Automation Drive series FC-302

Typecodes covered by this SEMI F47 certification:

FC-102XYYYZZ*****

FC-202XYYYZZ*****

FC-302XYYYZZ*****

Where:

Character X:

N: Next Generation P: Standard Product

Character YYY (Power Size):

55K: 55kW

75K: 75kW 90K: 90kW

110: 110kW 132: 132kW

160: 160kW 200: 200kW

250: 250kW 315: 315kW

355: 355kW 400: 400kW

450: 450kW 500: 500kW

560: 560kW 630: 630kW

710: 710kW 800: 800kW

900: 900kW 1M0: 1000kW

1M2: 1200kW 1M4: 1400kW

Character ZZ (Mains Voltage):

T4: Three phase 380-480 VAC

T5: Three phase 380-500 VAC

T7: Three phase 525-690 VAC

* may be any number or letter indicating drive options which do not impact this DoC