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## SEMI F47-0706

### Voltage Sag Immunity Compliance Certificate

*VLT® HVAC Drive FC 100 Series*

*-For detailed series description see page 2-*

AC 380-480V 50/60 Hz, 3-phase+PE

**Description:** VLT® HVAC Drive FC 100 Series

**Manufacturer:** Danfoss Drives

**Manufacturer Address:** 4401 N. Bell School Rd., Loves Park, IL 61111-5600, USA

**Test Date and Location:** 22 September 2009, Loves Park, IL 61111-5600, USA

**Tested configuration:** FC-102P110T4 in VVC+, and FC-102P132T4 in VVC+

**Pass/Fail criteria:** Full rated output power and continuous motor operation during all voltage sags.

**Certification:**

1. Power Standards Laboratory certifies that the above drives pass 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.



*VLT® HVAC Drive FC 102P110T4 Series*

Power Standards Lab  
**PSL**<sup>SM</sup>  
**SEMI F47**

Marco Mancilla 17 April 2014

Power Standards Lab

*Certificate expires after 3 years of the issuance date*

## *Description of the VLT® HVAC Drive FC 100 Series*

Model Name	IP00	IP21	IP54	Frame Size	Mains Supply (Vac)	Effect (kW)
FC-102P110T4	X	X	X	D	380-480	110
FC-102P132T4	X	X	X	D	380-480	132
FC-102P160T4	X	X	X	D	380-480	160
FC-102P200T4	X	X	X	D	380-480	200
FC-102P250T4	X	X	X	D	380-480	250
FC-102P315T4	X	X	X	E	380-480	315
FC-102P355T4	X	X	X	E	380-480	355
FC-102P400T4	X	X	X	E	380-480	400
FC-102P450T4	X	X	X	E	380-480	450
FC-102P500T4		X	X	F	380-480	500
FC-102P560T4		X	X	F	380-480	560
FC-102P630T4		X	X	F	380-480	630
FC-102P710T4		X	X	F	380-480	710
FC-102P800T4		X	X	F	380-480	800
FC-102P1M0T4		X	X	F	380-480	1000
FC-102P110T7	X	X	X	D	525-690	110
FC-102P132T7	X	X	X	D	525-690	132
FC-102P160T7	X	X	X	D	525-690	160
FC-102P200T7	X	X	X	D	525-690	200
FC-102P250T7	X	X	X	D	525-690	250
FC-102P315T7	X	X	X	D	525-690	315
FC-102P400T7	X	X	X	D	525-690	400
FC-102P450T7	X	X	X	E	525-690	450
FC-102P500T7	X	X	X	E	525-690	500
FC-102P560T7	X	X	X	E	525-690	560
FC-102P630T7	X	X	X	E	525-690	630
FC-102P710T7		X	X	F	525-690	710
FC-102P800T7		X	X	F	525-690	800
FC-102P900T7		X	X	F	525-690	900
FC-102P1M0T7		X	X	F	525-690	1000
FC-102P1M2T7		X	X	F	525-690	1200
FC-102P1M4T7		X	X	F	525-690	1400