TECHNICAL REPORT
No. 121215 – 14 – TAC

Test according to ECE Regulation No. 010.04
Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility.

ECE No. 010.00 – date of entry into force: 1 April 1969
including all amendments up to and including
ECE No. 010.04, date of entry into force: 28 October 2011

Objectives: Document for issue of approval

I. Technical data

0.1. Make (trade name of manufacturer): Danfoss Power Solutions (US) Company

0.2. Type: DP250

0.2.1. Variants: See manufacturer's information document

0.3. Means of identification of type: Printed on the self-adhesive label

0.3.1. Location of that marking: Cover of the unit

0.4. Category of vehicle: N/A

0.5. Name and address of manufacturer:

Danfoss Power Solutions (US) Company
3500 Annapolis Lane North
Plymouth, MN 55447
USA

0.8. Addresses of assembly plants:

Danfoss Power Solutions (US) Company
3500 Annapolis Lane North
Plymouth, MN 55447
USA

Danfoss Power Solutions ApS
Nordborgvej 81
6430 Nordborg
Denmark

0.9. Location of the approval mark: Printed on manufacturer label
II. Test report

1. Test conditions

1.1. Test sample:
Display type DP250
Model No.: 11075900
Serial No.: 14240136

1.2. Test procedures used:
Tests executed according to ECE R 10.04 - para. no. 6.5., 6.6., 6.7., 6.8., 6.9. and annexes no. 7, 8, 9, 10.

1.3. Measuring and test equipment:
See in attachment

1.4. Testing conditions:
Indoor test, temperature: 22.6-24.0 °C
Relative humidity: 44.0-46.9 %
12 V DC power supply

1.5. Test track or site:
Laboratory of EMC
TÜV SÜD America Inc.
1775 Old Highway 8 NW, Suite 104
New Brighton MN, 55112
USA

2. Test results

Following numbering is according to Regulation 010.04 /marked in italic/

2.1. 6.5. Broadband elmg. radiation generated by ESA:
complies,
see attachment No. 1

2.2. 6.6. Narrowband elmg. radiation generated by ESA:
complies,
see attachment No. 1

2.3. 6.7. Specifications concerning immunity of ESAs to electromagnetic radiation
complies,
see attachment No. 2

2.4. 6.8. Immunity to transient disturbances:
complies,
see attachment No. 3

2.5. 6.9. Emission of conducted disturbances:
complies,
see attachment No. 4
3. Specimen submitted to test on: 11 July 2014

4. Date of test: 14 to 18 July 2014

III. Manufacturer's information folder
No.: 010 – DP250 – 00
8 pages total of 4 August 2014

IV. Attachments
Attachment No. 1: radiated emissions pages 4-6
Attachment No. 2: radiated immunity pages 7-9
Attachment No. 3: transient immunity page 10
Attachment No. 4: transient emissions page 11

Measuring and test equipment and test site meet the requirements of the applicable legislation. This report must never be reproduced incomplete without a written permission of the testing laboratory.

V. Final assessment
The described sample complies with the requirements of ECE Regulation No. 010.04 for issue of the approval certificate.

This technical report consists of pages No. 1 to 11 incl. 8 pages of attachments.

Lukáš Sedláček
Officially recognized expert

Martin Hron
Business Unit Manager of Vehicle Certification

Prague, 13 October 2014
Information Document

1. Make (trade name of manufacturer): Danfoss Power Solutions (US) Company

2. Type: DP250

2.1. Variants:
- DP250-00-00-04-00-00
- DP250-00-01-05-00-00 (EIC installed)
- DP250-01-01-04-05-00
- DP250-01-01-05-05-00
- DP250-05-01-04-05-00
- DP250-05-01-05-05-00
- DP250-05-01-04-05-01
- DP250-05-01-05-05-01
- DP250-05-02-01-04-05-02
- DP250-01-01-05-05-02
- DP250-01-01-04-05-02
- DP250-00-00-05-00-00
- DP250-01-01-05-05-00
- DP250-01-01-04-05-00
- DP250-01-01-05-05-00
- DP250-05-01-05-05-00

3. Means of identification of type, if marked on the component/separate technical unit: printed on the self-adhesive label

3.1. Location of that marking: cover of the unit