

Environmental tests
TEST REPORT
284862-1

Test Report

Environmental tests

Equipment Under Test: Empty enclosure

Type: 1560x341x245 mm

Manufacturer: Finelcomp Oy

Applicant: Finelcomp Oy
Yrittäjänkatu 6
FI-83500 OUTOKUMPU
FINLAND

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The Equipment Under Test is Tested According To Following Specification

Title of the standard -Product / test environment	Reference standard	Publica- tion year	Amendment(s) of the standard
Dry heat test	IEC 60068-2-2	2007	
Damp heat test	IEC 60068-2-30	2005	
Cold test	IEC 60068-2-1	2007	
Change of temperature test	IEC 60068-2-14	2009	

Testing location	
Testing Laboratory	SGS Fimko Ltd
Testing location/ address	Särkiniementie 3 FI-00210 HELSINKI, FINLAND

Date:
9.6.2016

Tested by:
Mikko Malinen



Date:
9.6.2016

Approved by:
Sami Hakonen



Performance Criteria

No visible deterioration, especially gasket and lock. No condensation water in inner cabinet.

Test sample

Empty enclosure	1560x341x245 mm
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Photos of EUT



Test set-up for EUT

Model: 1560x341x245 mm

Enclosure was placed in to the humidity chamber.

Tests

Cold Test

Test method: IEC 60068-2-1 / Ad

Temperature: -40 (+0 deg C / -3 deg C)

Duration: 16 hrs

Visual check after the test and no visible damage.

Test results: **PASSED**

Dry Heat Test

Test method: IEC 60068-2-2 / Test Bd

Temperature: +70 deg C $\pm$ 2 deg C

Duration: 168 hrs

Max. relative humidity: 50 %

Visual check after the test and no visible damage.

Test results: **PASSED**

Change of temperature test

Test method: IEC 60068-2-14 / Test Nb

Temperature: -5... +55 deg C / $\geq$ 5 deg C/min

Duration: t_1 = 2 hrs

Number of test cycles: 3

Visual check after the test and no visible damage.

Test result: **PASSED**

Damp Heat Test

Test method: IEC 60068-2-30 / Test Db / Variant 2

Upper humidity: $\geq$ 95 % RH (figure 2b)

Upper temperature: +40 deg C $\pm$ 2 deg C

Duration: 4 cycles

Visual check after the test and no visible damage.

Test result: **PASSED**

Instruments / Devices used for testing

INSTRUMENTS	MANUFACTURER / TYPE	INV. NO
Climate Chamber	Weiss	9298
Thermometer	Fluke 51 II	7837
Temp / RH%	Vaisala	9924