

# HARmonized Products 2018 JAHARP2018

Grant Agreement N° SI2.809078

## Call for tender for test laboratories Portable Room Heaters

### ANNEX 1 - LABORATORY TESTING CRITERIA

#### ANNEX I - Detailed Product Testing Requirements

Testing must be based on the latest valid editions of EN 60335-1 and EN 60335-2-30 and must include the clauses listed in the table below.

If a sample fails a test, the testing shall continue unless the failure is so destructive that further testing is not possible. The obtained/measured values when the failure occurred are needed in all tests performed by the laboratory. The purpose of testing is to identify dangerous non-compliances so that a market surveillance authority can decide whether a specific portable room heater poses risk to consumers such that action may be taken against it. Testing must therefore focus on areas where the products under test are likely to fail.

The sequence of testing must ensure that potentially destructive testing is conducted at or near the end of the testing regime. Each testing laboratory is requested to send quotations in the form of per clause (including sub-clauses where applicable) and per sample type based on the table below.

**PLEASE NOTE** that the maximum test duration per sample is 7 hours. The testing laboratory is invited to suggest alternative or additional testing, or both, that may be carried out within this time period.

**NB:** The product type under test should be subjected to an initial functional check to determine whether it operates as intended by the manufacturer and in accordance with the user instructions provided.

PORTABLE ROOM HEATERS according to latest valid edition of EN 60335-1 and EN 60335-2-30		
Clause	Testing criteria	Price (EUR)
7	Marking and instructions - In particular clauses 7.1, 7.6, 7.12, 7.12.1, 7.14 and 7.15	
8	Protection against access to live parts - Apply appropriate standard probes, in particular clauses 8.1 and 8.2	
10	Power input and current	
11	Heating - In particular, clauses 11.2, 11.3, 11.4, 11.6 and 11.8 with consideration to Table 101. NB: The laboratory is asked to include a comment in the test report concerning the recorded temperatures of non-functional surfaces that	

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	are likely to be touched by vulnerable users (as per CENELEC Guide 29)	
13	Leakage current and electric strength at operating temperature	
15	Moisture resistance	
16	Leakage current and electric strength	
19	Abnormal operation - In particular, clause 19.1, 19.13, 19.101, 19.103, 19.106, 19.107, 19.108, 19.109, 19.111, 19.112, 19.113 and 19.114	
20	Stability and mechanical hazards	
21	Mechanical strength - In particular, clause 21.101	
22	Construction - In particular, clause 22.24, 22.101, 22.105, 22.106, 22.107, 22.108 and 22.109	
23	Internal wiring	
24	Components - In particular, clause 24.101, and check for the presence of components conforming to the safety requirements in the relevant standards as far as they reasonably apply, as supporting data sheets will not be provided with the products	
25	Supply connection and external flexible cords	
29	Clearances, creepage distances and solid insulation - Inspection with measurement in cases of doubt	
30	Resistance to heat and fire - Subject external parts of non-metallic material, parts of insulating material supporting live parts including connections, and parts of thermoplastic material providing supplementary or reinforced insulation to the appropriate testing such as glow wire, needle flame etc.	
Price (EUR) for producing test report (per sample of each room heater)		
Total price (EUR)		