Brussels, 18.12.2015, revised 29.12.2015

GRANT AGREEMENT 649894 — EEPLIANT

Call for Tender for Test Laboratories

Product Activity: WP6 Joint Testing of Heaters

Heat Pumps with a Rated Output of 25 kW or less

The testing comprises electrically driven air-to-water or brine-to-water heat pump space heaters or heat pump combination heaters.

The testing of air-to-water heat pump space heaters or heat pump combination heaters comprises the parameters listed in the below table 1.

The testing of brine-to-water heat pump space heaters or heat pump combination heaters comprises the parameters listed in table 2 further below.

| **No.** | **Parameter (air-to-water units)** | **Reference** | **Unit costs (EUR incl. VAT)** | | |
| --- | --- | --- | --- | --- | --- |
| **2-5 samples** | **6-10 samples** | **+3 items for one sample** |
| 1A | Rated heat output for average, warmer and colder climate conditions. | Commission Delegated Regulation (EU) No. 811/2013 |  |  |  |
| 1B | Same as 1A above, but only for warmer and colder climate conditions. | Same as 1A above. |  |  |  |
| 1C | Same as 1A above, but only for average climate conditions. | Same as 1A above. |  |  |  |
| 2A | Calculation of seasonal coefficient of performance SCOP for medium temperature application for average, warmer and colder climate conditions. | EN 14825:2013, section 7.  Test conditions are described in:   * EN 14825:2013, section 5.4.4, Tables 18,19 and 20. * Commission Communication 2014/C 207/02. |  |  |  |
| 2B | Same as 2A above, but only for warmer and colder climate conditions. | Same as 2A above. |  |  |  |
| 2C | Same as 2A above, but only for average climate conditions. | Same as 2A above. |  |  |  |
| 3A | Calculation of seasonal coefficient of performance SCOP for low temperature application for average, warmer and colder climate conditions. | EN 14825:2013, section 7.  Test conditions are described in:   * EN 14825:2013, section 5.4.2, Tables 11,12 and 13. * Commission Communication 2014/C 207/02. |  |  |  |
| 3B | Same as item 3 above, but only for warmer and colder climate conditions. | Same as item 3 above. |  |  |  |
| 3C | Same as item 3 above, but only for warmer and colder climate conditions. | Same as item 3 above. |  |  |  |
| 4 | Seasonal space heating energy efficiency ηs | Commission Communication 2014/C 207/02, point 5 |  |  |  |
| 5 | < Deleted > | < Deleted > |  |  |  |
| 6 | Sound power level (LWA) | EN 12102:2013 |  |  |  |
| 7 | Water heating energy efficiency ηwh of heat pump combination heaters, Qelec and Qfuel | Commission Regulation No 814/2013, Annex IV §3.a  Commission Communication 2014/C 207/03  Directive 2010/30/EU |  |  |  |

Table 1: Parameters to be tested for air-to-water units including references to relevant standards.

| **No.** | **Parameter (brine-to-water units)** | **Reference** | **Unit costs (EUR incl. VAT)** | | |
| --- | --- | --- | --- | --- | --- |
| **2-5 samples** | **6-10 samples** | **+3 items for one sample** |
| 1A | Rated heat output for average, warmer and colder climate conditions. | Commission Delegated Regulation (EU) No. 811/2013 |  |  |  |
| 1B | Same as 1A above, but only for warmer and colder climate conditions. | Same as 1A above. |  |  |  |
| 1C | Same as 1A above, but only for average climate conditions. | Same as 1A above. |  |  |  |
| 2A | Calculation of seasonal coefficient of performance SCOP for medium temperature application for average, warmer and colder climate conditions. | EN 14825:2013, section 7.  Test conditions are described in:   * Section 5.5.4, Tables 30,31 and 32. * Commission Communication 2014/C 207/02. |  |  |  |
| 2B | Same as 2A above, but only for warmer and colder climate conditions. | Same as 2A above. |  |  |  |
| 2C | Same as 2A above, but only for average climate conditions. | Same as 2A above. |  |  |  |
| 3A | Calculation of seasonal coefficient of performance SCOP for low temperature application for average, warmer and colder climate conditions. | EN 14825:2013, section 7.  Test conditions are described in:   * Section 5.5.2, Tables 24,25 and 26. * Commission Communication 2014/C 207/02. |  |  |  |
| 3B | Same as item 3 above, but only for warmer and colder climate conditions. | Same as item 3 above. |  |  |  |
| 3C | Same as item 3 above, but only for warmer and colder climate conditions. | Same as item 3 above. |  |  |  |
| 4 | Seasonal space heating Energy efficiency ηs | Commission Communication 2014/C 207/02, point 5 |  |  |  |
| 5 | < Deleted > | < Deleted > |  |  |  |
| 6 | Sound power level (LWA) | EN 12102:2013 |  |  |  |
| 7 | Water heating energy efficiency ηwh of heat pump combination heaters, Qelec and Qfuel | Commission Regulation No 814/2013, Annex IV §3.a  Commission Communication 2014/C 207/03  Directive 2010/30/EU |  |  |  |

Table 2: Parameters to be tested for brine-to-water units including references to relevant standards.

A, B and C are to be understood as options for tests 1, 2 and 3. The Market Surveillance Authorities may decide to have a heat pump tested under conditions for average, warmer and colder climate (options A) OR under conditions for warmer and colder climate (options B) OR under conditions for average climate conditions (options C).

Quotation requirements

The tenderer is requested to quote prices for the following services:

1. Testing of compliance of a heat pump with the requirements in table 1. The quote shall:
   1. indicate prices for each requirement in table 1 and table 2;
   2. indicate prices per sample for testing 2-5 samples and 6-10 samples;
   3. indicate the price for a subsequent test of an additional 3 items of an already tested heat pump.

These costs can be indicated in the three empty columns in table 1 and table 2.

1. Producing a test report for each sample. The test report must indicate the measured value for each parameter. The quote must be per sample.
2. Producing an overview table with the findings for all received samples.

**The tenderer must quote all prices including VAT.** PROSAFE is not able to recover VAT and does not accept the reverse charge scheme.

The quotation must describe the capacity of the laboratory, i.e. number of simultaneous tests that can be undertaken, turn-around time and time to set up a test.

The tenderer must explain where the testing will take place (which country). For practical reasons, PROSAFE will only in exceptional cases engage with laboratories where the testing is going to take place outside the EU/EEA countries.