Companies wishing to certify JA14 central heat pump water heater systems to the California Energy Commission for compliance credit shall execute a requirement under penalty of perjury attesting that all information provided in the attached datasheet is true, complete, and accurate. Companies may fulfill this requirement by providing the information and signing the declaration below.

**JA14.3.1 Determination of Performance Data**

Manufacturers shall determine central HPWH performance data for each basic model either by testing pursuant to the requirements in (a) or by simulating pursuant to the requirements in (b) below:

1. Testing shall be conducted in accordance with the test setup, installation, calculation procedures, and instruments described in Appendix E to Subpart G of 10 CFR Part 431 for each of the test conditions described in JA14.3.3; or
2. Simulated performance shall be conducted using an alternative efficiency determination methods (AEDM) as described in 10 CFR part 429.70(a)-(c) to generate the performance data described in JA14.3.2. In addition, manufacturers shall only simulate the performance of other central HPWH basic models sharing the same series compressor, same type of heat exchangers, and same architecture as the tested basic model.

**JA14.3.2 Performance Data Reporting**

The following performance specifications shall be submitted to the Energy Commission:

a) Water heater input power;

b) Water heater output capacity; and

c) Water heater COP.

The performance data shall be provided at the following conditions:

d) Inlet ambient air temperature: Maximum, minimum, and two midpoint temperatures of the manufacturer specified operating range.

e) Inlet water temperature: Maximum, minimum, and two midpoint temperatures of the manufacturer specified operating range.

f) Outlet water temperature: Maximum, midpoint, and minimum of outlet water (setpoint) temperatures of the manufacturer specified operating range.

For conditions where defrost strategies operate, reported data shall include at least one complete defrost cycle, or alternatively, for each model submitted for approval, provide a

description of the defrost strategy including method, cycle length, and process.

Complete and submit electronically to Danny.Tam@Energy.ca.gov

List of Models offered for Certification

|  |  |  |
| --- | --- | --- |
| **Manufacturer** | **Brand** | **Model No.** |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |

When providing the information below, be sure to enter complete mailing addresses, including postal/zip codes.

Certifying Company

|  |  |
| --- | --- |
| Contact Person Name \*      | Phone 1      |
| Certifying Company Name \*\*      | Phone 2      |
| Address      | Fax      |
| (Address)      | E-mail      |
| (Address)      | Company Website (URL)      |

\* If the contact person named above is NOT the person whose signature is on the Declaration, then the full contact information for the person whose signature is on the Declaration must also be provided on a separate page.

\*\* If the company named above is: A) a parent entity filing on behalf of a subsidiary entity; B) a subsidiary entity filing on behalf of a parent entity; or C) an affiliate entity filing on behalf of an affiliate entity, the above contact information must be provided for any additional entities on a separate page.

Manufacturer (if different from Certifying Company)

|  |  |
| --- | --- |
| Contact Person Name      | Phone 1      |
| Manufacturing Company Name      | Phone 2      |
| Address      | Fax      |
| (Address)      | E-mail      |
| (Address)      | Company Website (URL)      |

**Declaration**

I declare under penalty of perjury under the laws of the State of California that:

1. All the information in this statement and in any attachment(s) is true, complete, accurate, and in compliance with all applicable provisions in JA14 central heat pump water heater systems as set forth in 2022 California Title 24, Part 6.
2. [If the party submitting this statement is a corporation, partnership, or other business entity] I am authorized to make this declaration, and to file this statement, on behalf of the company named below.

|  |  |  |
| --- | --- | --- |
|       |  |       |
| Certifying Company Name      |  | Date |
| Name/Title (please print) |  | Signature |