# Table B-1: Summary of Documentation Expectations regarding Combustor Design and Performance

| **Combustor Design and Performance** | **Documentation Expectations** |
| --- | --- |
| **1. Make and Model Number of Small Wood-Fired Combustor:** | Click here to enter text. |
| **2a. Certified[[1]](#footnote-1) to EN 303-5 (2012) Class 5 for Thermal Efficiency and Carbon Monoxide (Yes/No):** | Click here to enter text. |
| **2b. Certified to EN 303-5 (2012) Class 3, 4 or 5 for Dust (Yes/No, if Yes specify):** | Click here to enter text. |
| **3a. Identify whether Guideline A-13 or Guideline A-14 applies to the small wood-fired combustor:** | Click here to enter text. |
| **3b. If Guideline A-14 applies, identify whether the small wood-fired combustor is existing, reassessed or new:** | Click here to enter text. |
| 4. Wood Fuel Type(s) (Pellet, Briquette and/or Wood Chip): | Click here to enter text. |
| 5. Wood Fuel Specification(s): | Click here to enter text. |
| 6. Equivalent days of indoor storage for wood chips at nominal load (heated or unheated): | Click here to enter text. |
| 7. Maximum Wood Fuel Moisture Content for each intended fuel type:(% by weight, wet basis): | Click here to enter text. |
| 8. Maximum Wood Fuel Ash content according to specification for each intended fuel type (% by weight, if applicable): | Click here to enter text. |
| 9. Maximum fuel flow at nominal load operating condition for each intended fuel type (kg/hr): | Click here to enter text. |
| 10. Maximum fuel flow at partial load operating condition for each intended fuel type (kg/hr): | Click here to enter text. |
| 11. Nominal Load Heat Input and OutputCapacity (kW): | Click here to enter text. |
| 12. Partial Load Heat Input and Output Capacity (% of Nominal Load): | Click here to enter text. |
| 13a. Testing report/documentation compliant to EN 303-5 (2012) Class 5 for Thermal Efficiency and Carbon Monoxide (Yes/No): | Click here to enter text. |
| 13b. Testing report/documentation compliant to EN 303-5 (2012) Class 5 for Carbon Monoxide, equipped with an air-to-air heat exchanger (Yes/No): | Click here to enter text. |
| 13c. Testing report/documentation compliant to EN 303-5 (2012) Class 3, 4 or 5 for Dust (Yes/No, if Yes specify): | Click here to enter text. |
| 14. Includes multi-zone air control (Yes/No): | Click here to enter text. |
| 15. Includes oxygen trim system? (Yes/No): | Click here to enter text. |
| 16. Includes tertiary combustion air (Yes/No): | Click here to enter text. |
| 17. Includes flue gas recirculation (Yes/No): | Click here to enter text. |
| 18. Side-sectional schematic of combustorincluded (Yes/No): | Click here to enter text. |
| 19a. Oxygen lambda sensor type and operating range (% by volume – wet): | Click here to enter text. |
| 19b. Induced draft fan parameter and operating range: | Click here to enter text. |
| 19c. Fuel input or energy output parameter and operating range: | Click here to enter text. |
| 19d. Flue gas temperature measurementoperating range: | Click here to enter text. |
| 20. Maximum anticipated suspended particulate matter outlet concentration (mg/Rm3 @ 11% O2-dry): | Click here to enter text. |
| 21. Maximum anticipated carbon monoxide outlet concentration at nominal load, partial load and 24-hour daily average (ppm-v @ 11% O2-dry): | Click here to enter text. |
| 22. Includes air pollution control equipment specified by combustor manufacturer (Yes/No) if yes please describe: | Click here to enter text. |
| 23. Includes other air pollution control equipment as described in Chapter 5.1 (f) (Yes/No) if yes please describe: | Click here to enter text. |
| 24. Supporting documentation included for anticipated outlet concentrations of particulate matter and carbon monoxide(Yes/No): | Click here to enter text. |
| 25. Includes testing port(s) for particulate matter and carbon monoxide emission testing (Yes/No): | Click here to enter text. |
| 26. Supporting documentation included for flue gas emission monitoring devices (where applicable) (Yes/No): | Click here to enter text. |

**Notes:**

1. mg/Rm3 @ 11% O2-dry means milligrams per reference cubic metre corrected to 11% by volume (dry basis) oxygen content in the flue gas;
2. ppm-v @ 11% O2-dry means ppmv corrected to 11% by volume (dry basis) oxygen content in the flue gas; and
3. reference conditions are 25 degrees Celsius and 101.3 kilopascals atmospheric pressure.
1. This applies also to a wood combustor that is described in Chapter 3.0 “Applicability”. [↑](#footnote-ref-1)