Table 1. Coal and oxidant feed rates and calculated exhaust parameters.a

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| --- | --- | --- | --- | --- |
|  | **AIR** | **OXY28** | **OXY32** | **OXY36** |
| Coal (g/min) | 1.28 | 1.85 | 2.15 | 2.45 |
| Firing rate (W) | 6.3 | 9.0 | 10.5 | 12.0 |
| Primary flows |  |  |  |  |
| Air (L/min) | 7.00 | - | - | - |
| O2 (L/min) | - | 1.50 | 1.50 | 1.50 |
| CO2 (L/min) | - | 5.50 | 5.50 | 5.50 |
| Secondary flows |  |  |  |  |
| Air (L/min) | 6.98 | - | - | - |
| O2 (L/min) | - | 2.34 | 2.82 | 3.30 |
| CO2 (L/min) | - | 4.38 | 3.68 | 3.03 |
| Calculated |  |  |  |  |
| SR | 1.4 | 1.3 | 1.2 | 1.2 |
| ExhaustO2 (%) | 6.1 | 6.1 | 6.1 | 6.1 |
| ExhaustCO2 (%) | 13.2 | 93.7 | 93.7 | 93.6 |
| Exhaust flow (L/min) | 14.5 | 14.5 | 14.4 | 14.4 |

aCoal and oxidant feed rates were determined to result in approximately constant exhaust flow rates and reactor residence times (2.3s) for all four experimental conditions.