

| Space Heating Room | Overview       |                   |             | Open Flue | ac/h | Floor Area (m2) | Volume (m3)   | W/m²         |
|--------------------|----------------|-------------------|-------------|-----------|------|-----------------|---------------|--------------|
|                    | Heat loss (W)  | Energy usage (kW) | Design Temp |           |      |                 |               |              |
| Family             | 3053.06        | 4780.44           | 21          |           | 2.0  | 47.74           | 114.58        | 63.95        |
| Living 1           | 863.64         | 1629.70           | 21          |           | 1.5  | 13.91           | 33.38         | 62.10        |
| Hall               | 626.65         | 952.32            | 21          |           | 2.0  | 10.48           | 25.15         | 59.79        |
| Kitchen            | 436.77         | 647.68            | 21          |           | 2.0  | 7.68            | 18.44         | 56.84        |
| Living 2           | 1504.48        | 2840.41           | 21          |           | 1.5  | 24.16           | 57.98         | 62.27        |
| Bedroom 1          | 544.52         | 1213.19           | 21          |           | 1.0  | 12.95           | 31.08         | 42.05        |
| Bedroom 2          | 748.83         | 1668.39           | 21          |           | 1.0  | 16.10           | 38.64         | 46.51        |
| Bedroom 3          | 353.10         | 786.70            | 21          |           | 1.0  | 5.76            | 13.82         | 61.33        |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| -                  | 0.00           | 0.00              | 0           |           | 0.0  | 0.00            | 0.00          | 0.00         |
| <b>Total</b>       | <b>8131.06</b> | <b>14518.84</b>   |             |           |      | <b>138.7798</b> | <b>333.07</b> | <b>58.59</b> |