|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Power** | **Flow rates** | 10ml/min | | | 15ml/min | | | 20ml/min | | | 30ml/min | | |
| **Firing Time** | 3s | 5s | 10s | 3s | 5s | 10s | 3s | 5s | 10s | 3s | 5s | 10s |
| 10w | 0.5J,20HZ | 32.0 | 34.9 | 34.3 | 29.6 | 28.4 | 32.0 | 29.7 | 30.8 | 31.4 | 28.2 | 28.0 | 28.7 |
| 1.0J,10HZ | 30.6 | 31.9 | 30.8 | 29.0 | 29.6 | 30.3 | 28.8 | 28.6 | 29.8 | 25.3 | 26.1 | 26.4 |
| 20w | 1.0J,20HZ | 56.3 | 65.2 | 73.5 | 42.2 | 54.6 | 56.2 | 37.9 | 39.4 | 39.5 | 35.4 | 36.5 | 36.1 |
| 2.0J,10HZ | 45.3 | 47.3 | 55.0 | 36.5 | 40.4 | 48.9 | 34.0 | 34.3 | 35.5 | 31.8 | 31.4 | 32.1 |
| 30w | 1.5J,20HZ | 63.1 | 67.3 | 78.0 | 55.6 | 58.2 | 59.9 | 44.7 | 48.2 | 52.3 | 34.5 | 37.4 | 38.8 |
| 3.0J,10HZ | 55.8 | 57.5 | 55.5 | 39.7 | 47.9 | 51.8 | 37.5 | 40.5 | 41.9 | 30.7 | 32.9 | 34.9 |

**Table 1. Regional temperature changes with different laser working models and irrigation flow rates**