Electric oven Scugnizzonapoletano SCN-6 type

SCN-6: Upper part: 9.7 Kw/h

Lower part: 3.5 Kw/h

While in use, the oven does not consume all the Kw that is provided with.

On a scale from 0 to 10 - available on the control panel - the **upper part** must be set on 8. This means that the resistors will be ON for 8 seconds out of 10. In the remaining 2 seconds during which the resistors will not receive power, the temperature will not be affected. This because, due to the ***theory of thermal inertia***, the resistors will still be heated up as if they were under a power source. In so doing, there is a 20% energy saving.

Therefore:

- Power of the upper part = 9.7 Kw – 20% = 7.760 Kw consumed per hour

The **bottom part** must be set between 2 and 8, depending on the workload that the oven needs to undertake. While raising the oven temperature, the bottom part must be set to 4. During the working hours (if the workload is moderate), it is enough to keep the bottom set to 2. If the workload is continuous, the bottom must be set between 4 and 8. By doing so, the **surface temperature** of the "Biscotto di Sorrento" that decreases with the frequency of the baking of the pizzas, it is constantly resupplied and kept stable from the bottom and from the cooking chamber, that is always heated at 450°C or more.

Therefore:

Bottom part: 3.5 Kw

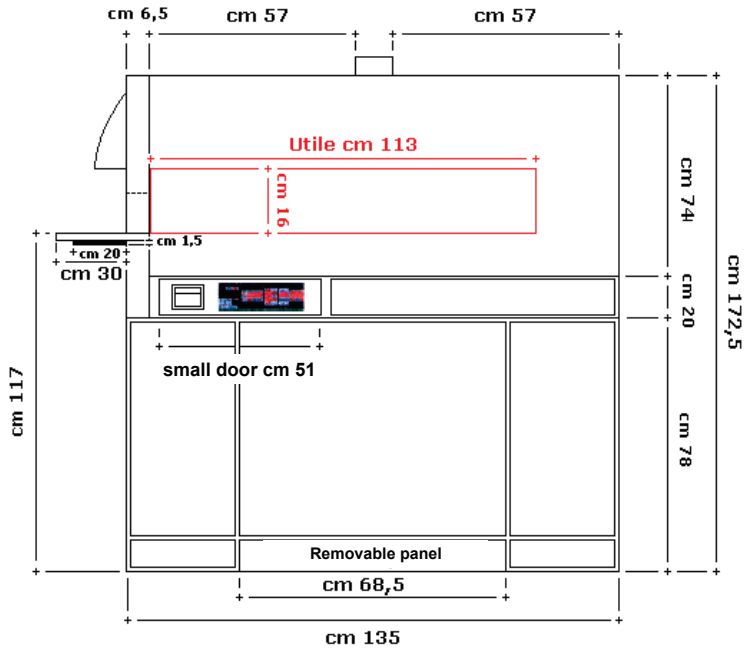
-80%= 0,700 kw/h (settings to 2)
-70% = 1,050 kw/h (settings to 3)
-60%= 1,400 kw/h (settings to 4)
-50%= 1,750 kw/h (settings to 5)
-40%= 2,100 kw/h (settings to 6)
-30%= 2,450 kw/h (settings to 7)
-20%= 2,800 kw/h (settings to 8)
Of course the energy consumption is zero if the settings are to zero (very low workload).

To sum up, SCN-6 type has Kw/h energy consumption between 7.760 and 10.560. This means that for workloads that require the maximum power **it is not possible** to consume more than 80% of the oven power (energy saving= 20% of 13,200 Kw = 10,500).
For an average workload the energy saving reaches 41%.

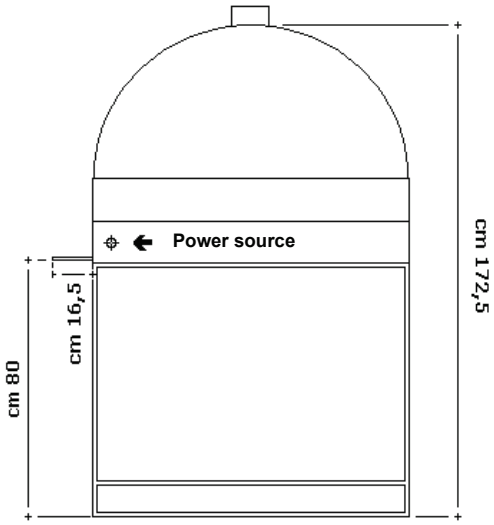
The power supply and the differential must be of 32 A – 5 poles. The weight is 580 Kg.

SCN6

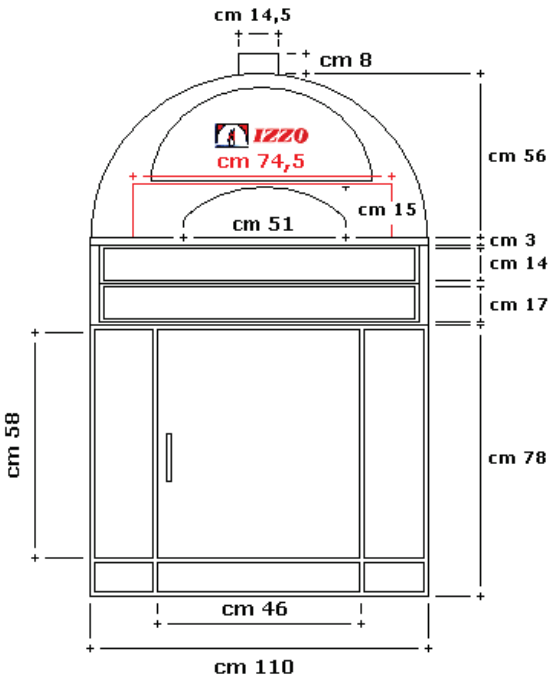
Lateral view



Posterior view



Front view



Closing of the front door