

## Muffle furnace KL 03/11 – KL 15/12

T max: 1100 °C und 1200 °C  
Volume: 3, 5, 9 und 15 liter

### Design:

- Strong, double-walled steel housing with coated surface, for corrosion protection, wear resistant and long service life
- Coated in RAL 7035 und RAL 7001
- Front frame made of stainless steel
- Adjustable feet

### Door:

- Double-walled hinged door, with integrated retaining spring
- With handle, wide opening and easy to operate

### Exhaust System

- Air inlet port for fresh air, with manually adjustable flap
- Exhaust pipe in the rear wall, connection for vapour vents

### Insulation:

- Double-walled casing with rear-ventilation to ensure low outer-casing temperatures
- Insulation made of high grade ceramic fibre with low thermal mass for fast heating cycles and low energy consumption

### Heating:

- High quality heating wire, embedded in ceramic plates, therefore protected against fumes and mechanical damages, long service life

### Temperatur Control:

- Program Controller Eurotherm 3208 with 1 program with up to 8 segments

### Options:

- Program Controller Eurotherm 3508 and Eurotherm Nanodac
- Vapor vent, vapor vent LaboVent with fan and LaboKat with catalyzer
- Adjustable safety limiter to protect furnace and charge, accord. EN 60519-2
- Control Software Eurotherm iTools and RS 232, 485, Ethernet and USB-interface



| Model    | T max<br>[°C] | Inner dimension<br>[mm]<br>Width x Depth x Height | Volume<br>[l] | Outer dimension<br>[mm]<br>Width x Depth x Height | Power<br>[kW] | Voltage<br>[V] | Weight<br>[kg] |
|----------|---------------|---------------------------------------------------|---------------|---------------------------------------------------|---------------|----------------|----------------|
| KL 03/11 | 1100 °C       | 190 x 140 x 100                                   | 2,7           | 437 x 444 x 489                                   | 1,2           | 230 V 1/N      | 20             |
| KL 05/11 | 1100 °C       | 240 x 170 x 130                                   | 5,3           | 487 x 462 x 519                                   | 2,4           | 230 V 1/N      | 35             |
| KL 09/11 | 1100 °C       | 240 x 260 x 170                                   | 10,6          | 492 x 537 x 558                                   | 3,0           | 230 V 1/N      | 45             |
| KL 15/11 | 1100 °C       | 250 x 370 x 170                                   | 15,7          | 499 x 648 x 558                                   | 3,5           | 230 V 1/N      | 50             |
| KL 03/12 | 1200°C        | 190 x 140 x 100                                   | 2,7           | 437 x 444 x 489                                   | 1,2           | 230 V 1/N      | 20             |
| KL 05/12 | 1200°C        | 240 x 170 x 130                                   | 5,3           | 487 x 462 x 519                                   | 2,4           | 230 V 1/N      | 35             |
| KL 09/12 | 1200°C        | 240 x 260 x 170                                   | 10,6          | 492 x 537 x 558                                   | 3,0           | 230 V 1/N      | 45             |
| KL 15/12 | 1200°C        | 250 x 370 x 170                                   | 15,7          | 499 x 648 x 558                                   | 3,5           | 230 V 1/N      | 50             |