

## Specifications for Muffle furnace

<b>Chamber size for sample insertion</b>	650 mm x 650 mm x 300 mm (or larger)
<b>Maximum temperature</b>	1200 °C
<b>Working temperature</b>	Between 1050-1100 °C
<b>Heating rate</b>	5-20 degree/min
<b>Sample nature</b>	Solid (flammable and non-flammable)
<b>Exhaust duct for gas emission</b>	Required
<b>Protection of heating elements from flammable samples (gases and flames)</b>	Required
<b>Monitoring of sample during heat treatment via transparent window</b>	Required
<b>Temperature controller</b>	PID or Adaptive based
<b>Input power and phase</b>	220-240 V AC, single phase
<b>Furnace atmosphere</b>	Air
<b>Accessories</b>	Safety locks, emergency door opening, auto cut. Temperature display.