

Data Sheet

Model: BEB17/5

Bottom Loading Chamber Furnaces



INTRODUCTION

The **BEB17/5** Bottom Loading Chamber Furnaces has an electrically operated elevator hearth facilitating smooth loading / unloading of the sample/crucible. The design provides a fast hearth ascent/descent therefore making it ideal for rapid load transfer applications such as glass melting and firing of advanced ceramics. Other chamber capacities/volumes are offered in custom-built models.

BEB17/5 bottom Loading Chamber Furnaces with 5-liter capacity.



BEB17/5

SPECIFICATIONS

Maximum Temperature: 1700°C

Maximum Continuous Temperature: 1650°C

| **Chamber dimensions (mm):** 170 x 170 x 170 (H x W x D)

| **DC Motor with UP and DOWN controls.** Upper and lower limit switches are fitted for safety

| **Elevator Travel** is 400mm nominal with 8 seconds travel time

| **Molybdenum Disilicide heating elements** on all 4 sides of chamber for good uniform heating

| **Graded premium quality ceramic fibre insulation**

| **High end Microprocessor PID controller**

| **Overtemperature Protection System** as standard

| **A small ceramic chimney** is fitted as standard

| **External Dimensions Furnace (mm):** 1125 x 800 x 763 (H x W x D)
(Indicative)

| **External Dimensions Controller (mm):** 610 x 530 x 602 (H x W x D)
(Indicative)

| **Net Wt:** 188 kg

| **Supply / Power:** 230V– 1 Phase – 5.0 kW, Thyristor control

PHASE CONTROL

Phase angle fired thyristor unit in conjunction with a low voltage secondary isolating transformer provides the heating elements with correct operating parameters.

OPTIONS

| Alumina crucible

| Ceramic liner

| Multi segment, multi program storage controller

| Flow meter for introduction of gases into the chamber.

Elite Thermal Systems Ltd

Elite Court, 6 Stuart Road, Market Harborough, Leicestershire LE16 9PQ, UK

Tel: +44 (0)1858 469834 | E-mail: contact@elitefurnaces.com | Website: www.elitefurnaces.com