

## INTRODUCTION

The **BRF17** high-temperature furnace features a chamber capacity that varies from 5 to 27 liters in its standard configurations. Additional chamber sizes and volumes are available in customized models.

The **BRF17/27E** high-temperature furnace has a capacity of 27 liters.

## SPECIFICATIONS

**Maximum Temperature:** 1700°C

**Maximum Continuous Temperature:** 1650°C

| Chamber dimensions (mm): 300 x 300 x 300 (H x W x D)

| Molybdenum discilicide heating elements mounted in the sides of the chamber radiates heat directly into the furnace

| Energy efficient, high quality, low thermal mass insulation

| An electrically operated insulated door that opens upwards and outwards keeps the hot face away from the operator and prevents impact damage to insulation while closing it

| Overtemperature protection system included as standard

| High end Microprocessor PID controller

| To ensure maximum operator safety, a positive break door switch isolates power from the heating elements whenever the door is opened

| Type "B" thermocouple

| A small ceramic chimney is fitted as standard



**BRF17/27E**

| **External Dimensions (mm):** 1600 x 880 x 800 (H x W x D)  
(Indicative)

| **Net Wt.:** 316 kg

| **Supply / Power:** 400V– 3 Phase – 12.0 kW

## 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

| Gas Inlet/outlet

| Multi segment, multi program storage controller

## 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](mailto:contact@elitefurnaces.com) | Website: [www.elitefurnaces.com](http://www.elitefurnaces.com)