

INTRODUCTION

The **BRF18** 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 **BRF18/27E** high-temperature furnace has a capacity of 27 liters.

SPECIFICATIONS

Maximum Temperature: 1800°C

Maximum Continuous Temperature: 1750°C

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

| Molybdenum tungsten disilicide 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



BRF18/27E

| **External Dimensions (mm):** 1600 x 1050 x 880 (H x W x D)
(Indicative)

| **Net Wt.:** 494 kg

| **Power Supply:** 400V– 3 Phase

| **Energy rating:** 15.0 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 Limited

Units F1-F2 and F3, Welland Business Park, Valley Way, Market Harborough. Leicestershire. LE16 7PS, UK

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