## Data Sheet Model: TMH16(Z3)/75/450

1600 °C Maximum Temperature, Three Zone Horizontal Tube Furnace



## INTRODUCTION

The TMH16(Z3) furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

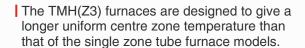
The TMH16(Z3)/75 Three Zone Tube furnace has an internal tube diameter of 75 mm. TMH16(Z3)/75 range offers a choice of two heated zone lengths of 450mm & 610mm.

TMH16(Z3)/75/450 comes with a heated zone length of 450 mm.



Maximum Temperature: 1600°C

Maximum Continuous Temperature: 1550 °C



All TMH(Z3) models are controlled by retransmission of set point from the centre zone controller to the end zone controllers.

This system provides a longer uniform zone temperature than that achieved by the use of single zone furnace of the same length.

Protective outer mesh covers for improved operator safety.

Top grade silicon carbide rods in all 3 heated zones.

Energy efficient, high quality, low thermal mass insulation.

A work tube is not supplied as an integral part of the furnace and therefore needs to be ordered with the furnace as it is an essential accessory.

High end Microprocessor PID controller.

Temperature Sensor: "R" type Thermocouple.

Horizontal models are supplied as standard with controls in the base.



TMH16(Z3)/75/450

| External Dimensions (mm): H x W x D Net Wt. (Nominal) TMH16(Z3)/75/450 715 x 1000 x 460 60 kg

Supply: 400V-3 Phase

Energy rating: 6.0 kW (Average) 9.9 kW (Peak)

## OPTIONS

- Work tubes of various materials, lengths and diameters for use in the furnace.
- The work tubes are available for containment of atmosphere or protection against process contaminants.
- A variety of triple flange gas tight end seals for work tubes to allow processing under Vacuum or gas atmospheres.
- Over Temperature protection controller.
- Multi segment, multi program storage controllers.

Vertical versions are available at extra cost, which will have separate temperature console

## **Elite Thermal Systems Limited**