Data Sheet Model: TMH16(Z3)/50/450

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.

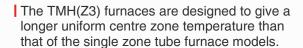
The TMH16(Z3)/50 Three Zone Tube furnace has an internal tube diameter of 50 mm. TMH16(Z3)/50 range offers a choice of two heated zone lengths of 450mm & 610mm.

TMH16(Z3)/50/450 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)/50/450

| External Dimensions (mm): H x W x D Net Wt. (Nominal) TMH16(Z3)/50/450 715 x 1000 x 460 60 kg

Supply: 400V-3 Phase

Energy rating: 4.0 kW (Average) 9.3 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