

Data Sheet

Model: TMH12(Z3)/38/500-SY

1200°C Maximum Temperature,
Three Zone Horizontal Tube Furnace



INTRODUCTION

Sylab Scientific Pvt. Ltd., under technical collaboration with Elite Thermal Systems Ltd, UK, manufactures high quality furnaces in India.

Elite Thermal Systems, based in UK, is a 30-year-old furnace manufacturing company with strong brand recognition across the globe.

Sylab Scientific delivers high-quality solutions by leveraging technical expertise and components sourced from Elite Thermal Systems Ltd, UK.

The TMH12(Z3)-SY furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TMH12(Z3)/38-SY Three Zone Tube furnace has an internal tube diameter of 38 mm. TMH12(Z3)/38/500-SY comes with a heated zone length of 500 mm.

Standard zone sizes: 90 mm (zone 1); 320 mm (zone 2); 90 mm (Zone 3). Other zone sizes can also be supplied.



*Illustrative image only

TMH12(Z3)/38/500-SY

SPECIFICATIONS

Maximum Temperature: 1200°C

Maximum Continuous Temperature: 1150°C

| The TMH(Z3)-SY furnaces are designed to give a longer uniform centre zone temperature than that of the single zone tube furnace models

| All TMH(Z3)-SY 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

| High grade resistance wire elements wound onto a ceramic work tube which is an integral part of the furnace

| Energy efficient, high quality, low thermal mass insulation

| Temperature Sensor: 'N' Type Sensor

| ELITE PID controller offering 8 programs with 8 segments each

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

| **External Dimensions (mm):** H x W x D **Net Wt.**
(Nominal) TMH12(Z3)/38/500-SY 560 x 605 x 315 16 kg

| **Power Supply:** 230V– 1 Phase – 50/60Hz

| **Energy rating:** 1.8 kW

OPTIONS

| Work tubes of various materials, lengths and diameters for use in the furnace

| Two or more zones are also available

| Independent control of each zone is also available

| 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

| Multi segment, multi program storage controller

| Over temperature protection controller

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

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