

Data Sheet

Model: TSHH12/90/457-SY

1200°C Maximum Temperature,
Single Zone Horizontal Split 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 TSHH-SY split tube furnace is designed to meet the needs of 'in-line' thermal processes, and for when rapid cooling is required.

The furnace range offers of choice of four heated zone lengths, 305mm, 457mm, 610mm and 940mm respectively.

TSHH12/90/457-SY comes with a 90mm furnace bore size, 457mm heated zone length.



TSHH12/90/457-SY

SPECIFICATIONS

Maximum Temperature: 1200°C

Maximum Continuous Temperature: 1150°C

| This furnace range is bench mounted and can be supplied with controls mounted as an integral part of the furnace body or in a remote console on two meters of interconnecting cables

| Heating is by free radiating high-grade resistance wire elements supported on ceramic tubes

| Energy efficient, high quality, low thermal mass insulation provides fast heating and cooling

| 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

| The furnace accepts a range of work tubes up to 90mm outside diameter when used with tube reducer inserts

| Temperature Sensor: 'N' Type thermocouple

| 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) TSHH12/90/457-SY 538 x 557 x 660 46 kg

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

| **Energy rating:** 3.0 kW

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

| Multi segment, multi program storage controller

| Over temperature controller

Vertical versions are available which have a separate console

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