

# GlobeHeat Datasheet : Product Code GHT 1238SS



## Product Description: 50kVA 36 Way Mobile Heat Treatment Unit with Six Built-In P183 programmers

This 50kVA, thirty six control channel unit, utilises six built-in P183 temperature controller/programmers to provide power and temperature control of up to thirty six ceramic pad heating elements rated at 30V, 45A, 1.35kW. This controlled power is used for preheating or post weld heat treatment of smaller diameter pipe welds, fabrication welds and other fabrications requiring controlled heating.

### Application:

Where larger quantities of small diameter pipe welds require heat treating (e.g. boiler tubes), there are significant cost savings in utilising a unit that has been both specially designed for small diameter pipe or tube welds, and has a larger number of control channels.

## Features

- This unit is able to power and control one heater on each of its thirty six outputs, which enables it to be used in place of using six, standard 50kVA six channel units, which can only be used for heat treating a maximum of six pipe welds. Whereas, Globe's thirty six channel unit can heat up to thirty six smaller pipe welds at one time using the same 50kVA output power.
- By utilising one, 50kVA thirty six channel unit in place of six, 50kVA six channel units, there are savings in capital outlay costs, along with the added benefits of having less machines to deliver and move on site. This results in reduced set up times, making this a more efficient and productive way of heat treating smaller welds.
- The front control panel includes:
  - \* six P183 six channel controller/programmers
  - \* thirty six channel neon indicators to show when each channel output power is on
  - \* moulded case circuit breaker (MCCB)
- The rear panel includes:
  - \* thirty-six type K thermocouple panel mounted input sockets
  - \* thirty six type K panel mounted thermocouple output sockets for connection to external temperature recorder
  - \* thirty-six 0V and 65V output , 300A, panel mounted twistlock sockets.

Specification	
Primary Input Supply Voltage (and Current )	Three phase, 380V (76A) , 415V (70A) or 440V (66A)
Frequency	50/60Hz
Secondary Output Voltage	65V a.c.
Transformer coil	50kVA Natural air cooled, class H.
Maximum Total Number of 30V, 1.35kW Heaters	Thirty-six
Maximum 30V, 1.35kW Heaters per Channel and per Phase	One per channel : Twelve per phase.
Protection	Over temperature sensor in each winding and 3 phase MCCB with shunt trip.
Thermocouple Input and output	Type K (NiCr/NiAl)
Temperature Control	Six P183 six channel controller/programmers: Range:0 to 1200°C
Switching	Thirty-six , UK manufactured, single pole 100A contactors
Secondary 65V output connectors	Seventy-two 300A panel mounted twistlock sockets.
Auxiliary Outputs	Three 110V auxiliary sockets.
Case	Stainless Steel (also available in mild steel, blue powder coated as GHT1238)
Dimensions	123cm x 67cm x 108cm
Weight	390kg
Design Standards	EMC: EN 61326: 1998, LVD: EN 61010-1: 2001