

48kVA Transformer Unit

STOCK No.

10008

APPLICATION

Cooperheat's pre and postweld heat treatment transformer units with interchangeable 'Top Hat' modules, (see page 9), have a reputation for their quality, safety and flexibility and are very suitable for use on large scale construction sites.

Designed primarily for use on pipework, the only limitation of this versatile unit is the maximum 65V output.

An optional 58V tapping can be provided and the unit can then be used as a multi-arc welding facility via a Cooperheat 'Top Hat' rectifier module (see publication 70100).

SPECIFICATION

Compactly contained within a heavy gauge steel cabinet, the three phase transformer is forced air cooled, double wound and insulated to Class 'H' standard. It is suitable for use in ambient temperatures not exceeding 45°C.

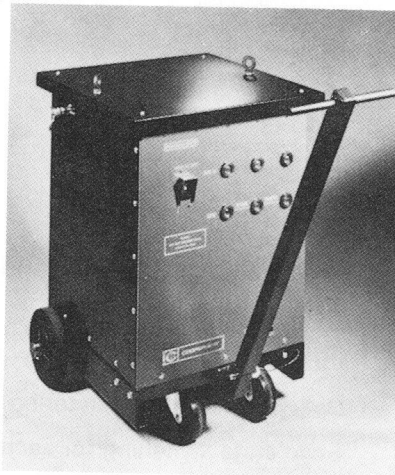
The primary winding is delta connected, the secondary winding star connected with neutral point earthed (grounded) to provide a safe 65V phase-to-neutral transformer output.

Separate three and six way 'Top Hat' modules have solid state thyristor switching as standard but contactorised switching is also available.

Additional standard design features include:

- ★ a primary three phase input of 380V/73A; 415V/67A and 440V/63A.
- ★ a secondary output of 110V, 3 phase, 4 wire, 250A providing three or six 65V phase-to-neutral circuits through the Cooperheat 'Top Hat' modules.

- ★ an 80A moulded case circuit breaker (MCCB) with shunt trip and a facility for transformer short circuit/overcurrent protection.



- ★ a remote trip facility for over temperature and temperature differentials.
- ★ provision for manual control by energy regulators/temperature controllers for each individual heating circuit.

Overall dimensions (including 'Top Hat' module):
1045mm (H) × 585mm (W) × 585mm (D).

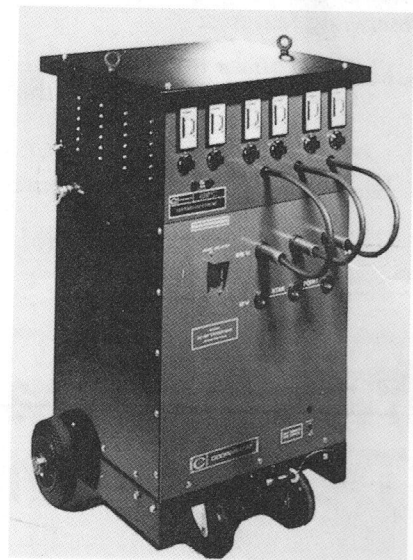
Weight (including 'Top Hat' module): 225kg.

USER BENEFITS

A well designed unit strongly constructed of high grade materials and available with either three or six way 'Top Hat' modules.

The unit has a:

- ★ modular system offering flexibility in use, with optional temperature measurement and control.
- ★ low working voltage for operator safety.
- ★ horizontally mounted downdraught cooling fan reduces the probability of ingress of dirt, which in turn reduces maintenance costs, it also contributes to the unit's low weight.



Heavy duty lifting eyes fitted as standard.

In addition to the 'Top Hat' modules which can be fitted to the unit, a 6 or 12 point temperature recorder and/or a Coopermatic programmer can be connected to the transformer as separate equipment.