

MANNINGS TRANSFORMER POWER UNIT (6 OUTPUT CHANNEL)

Choice of 6 channel versions make the units ideally suitable for pre & post weld heat treatment of pipework and vessels. Housed in a Zintec steel wheeled cabinet, the unit is mobile, well balanced and finished in Blue.

These units provide a 65V supply for powering various types of low voltage heating elements. The output channels are controlled by means of energy regulators and temperature controllers, provision is also made for external control from any suitable programmer via a panel mounted control plug. Each channel has its own auto/manual switch so any combination of channels can be operated in either auto or manual mode. The units are protected against over current or over temperature conditions.

Features:

- Outputs for 60V heaters
- Controllers can be set to operate in °C or °F
- Displays set point and work piece temperature
- Neon shows 'power on' for each output channel
- Fitted with temperature controllers and energy regulators as standard
- Core winding thermostats provide automatic protection against transformer coil overheating
- Primary over-current protection provided by a 3-phase circuit breaker
- Multi pin output to connect external programmer
- Selector switches per channel to allow for internal temperature control or external
- Safety plugs fitted as standard to all 65V outputs

6 Way	kVA Rating	65V Output	Max Current Per Output Channel	Energy Regulators	Temperature Controllers
11000	50	•	Each heater rated @ 45Amps (Total 135A per channel)	•	•
11100	70	•	Each heater rated @ 45Amps (Total 180A per channel)	•	•

BASIC SPECIFICATION OF MANNING'S POWER UNITS (6 OUTPUT CHANNEL)

TRANSFORMER CORE

- 3-phase, forced air cooled, Class 'H', 50 or 70kV
- Primary winding connected in Delta
- Secondary winding connected in Star

PRIMARY SUPPLY

- Primary voltage: 380V, 415V, 440V
- Frequency: 50/60Hz

PROTECTION

- Three phase circuit breaker with shunt trip
- Three primary core winding over temperature thermostats thermal trips linked to circuit breaker shunt trip

SECONDARY OUTPUTS

- Output: 65V
- Temperature controlled output channels
- Auxiliary outputs: Two 110V, centre tapped @ 5A, output sockets

CONTROL

- 110V Energy Regulators
- 110V Temperature Controllers

- Multi-pin Bulgin socket for remote programmer
- Mode Selection: Auto / Manual switches
- Indicators: 110V neon channel indicators

CASE & MOBILITY

- Case: Robust sheet steel case complete with fitted two off fixed and two off swivel/braked 150mm rubber wheels
- Lifting Method: Fork lift under base

MAINS CONNECTION

- The units are complete with 4.5m of four core primary cable

SWITCHING

- Contactorised – 200A, 110V a.c. solenoid contactors

