



“The Vega”

ITC Designed and Manufactured
Solid State IGBT Power Supply
For Induction Heating and Melting
10 kW to 20 kW, 10 kHz to 25 kHz

Standard Features

- Compact and Light Weight
- High Electrical Efficiency
- Single electronic logic board
- Cabinet is rugged heavy gauge steel construction
- All Components are readily accessible through full size rear door
- High quality design is user and maintenance friendly
- Diagnostic circuit monitor shows where to locate faults and indicates electronic limits
- Logic can be interfaced with PLC or temperature controllers
- Direct water cooled IGBT power device
- Load isolated from power line with Isolation Transformer for melting applications or Low Voltage Work Head Transformer for heating applications
- Many different loads and coils can be used without having to change capacitors and transformer taps. Set up time is reduced or eliminated



Shown with the “workhead” transformer mounted through the front for connection to the heating coils

Power Input:230 Volt, 3 Phase, 50/60 Hz

Cabinet Dimensions:.....36 inches Wide
24 inches Deep
62 inches High

Approximate Shipping Weight.....800 lbs.

Options

- Available with 4 inch Polyurethane swivel casters for mobility
- Furnace switches for alternate operation of two melting furnaces
- Closed water system protects all power supply components from dirt and electrolysis. This system cools all components with low conductivity distilled water.
- Power on cycle can be controlled with timer and started with a remote foot switch

Important Note About Cooling Water

Controlling water quality is the “Secret” to trouble free operation and long life of induction equipment. Severe damage from electrolysis, scaling, blockage and overheating can result from poor water quality. The best way to prevent these problems is with a *Closed Loop Water Cooling and Recirculating System* where water conductivity and cleanliness can be maintained. **ITC** can offer the correct cooling system based on your geographical location and specific usage. The proper cooling system will extend the life of the equipment, reduce down time and maintenance costs.

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