

## WELDCRAFT ARC WELDING RECTIFIERS AND TIG WELDING MACHINES

The low maintenance Three Phase silicon rectifier design insures a stable D.C Output that improves Arc characteristics to the weld puddle. The 2/3 overlapping current ranges handle a wide variety of job requirements.

Step less transduction controlled Arc Welding Rectifier, especially for critical welding using low hydrogen and stainless steel electrodes. The unique smooth Arc with the feedback and filter transducer choke to minimize the ripples and give quality welds and clear X-Rays.



### DESIGN:

- Variac is provided for setting the current throughout the entire range, settings can also be changed during welding.
- No Fuss striking due to start surge current.
- Perfect open circuit voltage gives good strike properties.
- Large reserve voltage permitting longer welding cables.

### FEATURES:

- Economy and increased productivity due to spatter free arc.
- Ease of operation.
- Minimum Weld Cleaning.
- Low demand of primary current.
- Easy to maintain.
- No rotating parts except cooling fan.
- Continuous smooth operation.
- Designed to withstand all acidic and offshore conditions.

**ACCESSORIES:**

- Standard set of welding accessories supplied at extra cost.

**RECTIFIER SPECIFICATIONS:**

MODELS	WCE 400	WCE 500	WCE 600
Input Supply Voltage (V)	415	415	415
Phase (No.)	3	3	3
Frequency (Hz)	50	50	50
Maximum Input Current (A)	40	53	64
At 60% Duty Cycle (%)	400	500	600
Max. Welding Current (A)	251	300	400
Open Circuit Voltage (V)	70 – 80		
Insulation (Class)	B	B	B
Cooling (Type)	Forced air	Forced air	Forced air
Dimensions W x H x D (mm)	75 x 66 x 107		
Approximate Weight (kg)	375	410	425

**TIG WELDING/HIGH FREQUENCY (HF) CONTROL UNITS SPECIFICATION:**

A.C./D.C. TIG WELDING CONTROL UNITS	H.F.UNITS	TORCH	DC SUPPRESSOR	SUITABLE FOR
WCE-TIG 200 (AD)	200 AMPS @ 60 % D.C.	SERIES INJECTION GAS COOLED	SUPPLIED	ALU/ALLOYES & S.S./ FERROUS METALS
WCE-TIG 300 (AD)	300 AMPS @ 60% D.C.	SERIES INJECTION WATER COOLED	SUPPLIED	ALU/ALLOYES & S.S./ FERROUS METALS
WCE-TIG 500 (AD)	500 AMPS @ 60% D.C.	SERIES INJECTION WATER COOLED	SUPPLIED	ALU/ALLOYES & S.S./ FERROUS METALS

- SET OF WELDING ACCESSORIES INCLUDING ARGON REGULATOR WITH FLOWMETER, SET OF TUNGSTEN ELECTRODES AND WELDING CABLES SUPPLIED AS STANDARD WITH EACH UNIT. ACCESSORIES SUCH AS PAIR OF HAND GLOVES, HAND/ HEAD SCREEN WITH GLASSES ARE SUPPLIED AS OPTIONAL AT EXTRA PRICE.
- CONTROL UNITS ARE REQUIRED TO BE CONNECTED TO SUITABLE DC. OR A.C.POWER SOURCE TO GET TIG WELDING FACILITY
- SUITABLE A.C. OR D.C. POWER SOURCES ARE SUPPLIED AS PER THE SPECIFIC ORDER AT EXTRA PRICES.

**Other Products:**

▪ AC/DC Transformers	▪ Rectifiers	▪ Butt Welders	▪ Spot Welders
▪ Mig / Tig M/cs	▪ Stud Welders	▪ Accessories / Spares	▪ Cr Cu Electrodes / Tips



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