



CHAMPTIG 220 C

220 AMP CAPACITY DC TIG / DC PULSED TIG WELDER



Key Attributes

- Inverter-based technology with constant output current.
- IGBT-based power source operating at high frequency.
- Suitable for TIG and MMA welding operations.
- Supports DC Pulsed TIG and MMA with advanced PWM technology.
- Equipped with a high-performance MCU, digital control, and digital display.
- Offers 2T HF/4T HF/2T Lift TIG/4T Lift TIG selection.
- Intelligent protection:
 - - Over-voltage.
 - - Over-current.
 - - Over-temperature.



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TECHNICAL SPECIFICATIONS

PARAMETERS	VALUE	UNIT
SUPPLY VOLTAGE, PHASE, FREQUENCY	240 V +10%, -15%, 1 PHASE, 50 / 60 HZ	VOLTS AC, NO., HZ
MAX. INPUT KVA @ 240 V SUPPLY	MMA: 5.6 @ 100%, @ 9.8 @ 35%; TIG: 4.0 @ 100%, 7.8 @ 35%	KVA
EFFICIENCY	UPTO 84	%
OPEN CIRCUIT VOLTAGE	70 ± 5 (30 V VRD - MMA MODE)	VOLTS DC
WELDING CURRENT RANGE	5 - 200 (MMA) / 5 - 220 (TIG)	AMPS DC
DUTY CYCLE (MMA / TIG MODE)	120 / 130 @ 100%, 150 / 170 @ 60%, 200 / 220 @ 35%	AMPS DC
INGRESS PROTECTION	IP23	TYPE
COOLING	FORCED AIR	TYPE
INSULATION	H	CLASS
DIMENSIONS L X W X H	930 X 525 X 950	MM
WEIGHT (APPROX.)	92	KG

TIG PARAMETERS	VALUE	UNIT
WELDING CURRENT SET	5 - 220	A
GAS PRE-FLOW TIME / POST FLOW TIME	0.1 - 1.0 / 0.1 - 1.0	SEC.
START CURRENT (IS) (TIG)	5 - 220	A
CURRENT UPSLOPE TIME / DOWNSLOPE TIME	0 - 10 / 0 - 10	SEC.
PEAK CURRENT (IP) / BASE CURRENT (IB)	5 - 220 / 5 - 220	A
PULSE FREQUENCY	0.5 - 100	HZ
DUTY CYCLE (TP)	5 - 100	%
CRATER CURRENT (IC)	5 - 220	A

MMA PARAMETERS	VALUE	UNIT
HOT START	MMA MODE ONLY: 1-10 (10 SIGNIFIES 100%)	%
ARC FORCE	MMA MODE ONLY: 1-10 (10 SIGNIFIES 100%)	%
WELDING CURRENT SET	MMA 5 - 200	A