

CHAMPTIG 220 (C)

Inverter Based DC TIG and DC Pulsed TIG Welder



Salient Features

- Latest Inverter based technology with constant output current
- IGBT based operating at high frequency
- Suitable for TIG and MMA welding operation.
- DC Pulsed TIG and MMA, adopt IGBT and advanced PWM technology
- High performance MCU, Digital control, Digital display
- 2T HF/ 4T HF/ 2T Lift TIG/ 4T Lift TIG selection
- Intelligent protection: over-voltage, over-current, over-heat

CREATING THE BEST WELDING EXPERIENCE

www.adorwelding.com

Corporate Marketing Office: Survey No. 147 / 2B +3, Near Akurdi Chowk, Chinchwad, Pune – 411 019. Maharashtra, INDIA.

Tel.: +91 20 4070 6000, Fax: +91 20 4070 6001

Email: cmo@adorians.com

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TECHNICAL SPECIFICATIONS	CHAMPTIG 220 (C) 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 / TIG MODES)	5.6 / 4 @ 100%, 6.7 / 5.5 @ 60%, 9.8 / 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
WELDING CURRENT AT 40 DEG C, 10 MINUTE CYCLE (MMA / TIG MODES)	120 / 130 @ 100%, 150 / 170 @ 60%, 200 / 220 @ 35%	AMPS, DC
SUITABLE FOR WELDING ELECTRODE SIZE (MMA MODE)	2.5, 3.2, INTERMITTENT 4	MM Ø
INGRESS PROTECTION	IP21	TYPE
COOLING	FORCED AIR	TYPE
INSULATION	F	CLASS
FRONT PANEL FUNCTIONS	1) SELECTION ENCODER FOR ALL FUNCTIONS VIA. GAS PRE-FLOW, GAS POST FLOW, UPSLOPE TIME, DOWN SLOPE TIME, WELDING CURRENT AS PER SELECTED MODE OF OPERATION IN TIG MODE.	
	2) MMA/ 4T LIFT/ 2T LIFT/ 4T HF / 2T HF MODE SELECTION SWITCH.	
	3) SELECTION ENCODER FOR SELECTION OF HOT START, WELDING CURRENT, ARC FORCE (MMA)	
	4) MAINS ON 'GREEN' COLOUR INDICATION, TRIP 'YELLOW' COLOUR- INDICATION	
PROTECTIONS	OVERVOLTAGE, SHORT CIRCUIT, OVERCURRENT, OVER TEMPERATURE	
DIMENSIONS L X W X H (WITHOUT HANDLE)	400 X 120 X 240	MM
WEIGHT (APPROX.)	8	KG
WELDING PARAMETER	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 / TIG 5 - 220	A
GAS PRE-FLOW TIME (TIG)	0.1 – 1.0	SEC.
START CURRENT (IS) (TIG)	5 - 220	A
CURRENT UPSLOPE TIME (TIG)	0 – 10	SEC.
PEAK CURRENT (IP) (TIG)	5 - 220	A
BASE CURRENT (IB) (TIG)	5 - 220	A
PULSE FREQUENCY (TIG)	0.5 - 100	HZ
DUTY CYCLE (TP) (TIG)	5 – 100	%
CURRENT DOWN SLOPE TIME (TIG)	0 – 10	SEC.
CRATER CURRENT (IC) (TIG)	5 – 220	A
GAS POST FLOW TIME (TIG)	0.1 – 10	SEC.

Warranty: One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorized Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.

In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.

Backed by dedicated customer care package.

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