

CHAMP 400 X

INVERTER BASED DC WELDER



Key Attributes

- High efficiency and high power factor DC welder.
- VRD feature to reduce output voltage to safe level with VRD ON/OFF switch.
- Suitable for heavy duty welding application.
- Hot start and ARC force adjustment on panel.
- Complies to IEC 60974-1 standard.
- Light weight, compact and portable for easy handling.
- Input supply voltage protections for over and under voltage.
- Over temperature protection.
- Protection against single phasing.

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TECHNICAL SPECIFICATIONS

PARAMETER	VALUE	Unit
SUPPLY VOLTAGE, PHASE	415V + 15% - 10%; 3 PH, 50 / 60 HZ	VOLTS AC, Ø, HZ
INPUT POWER @ 415 V	13 @ 100% DUTY CYCLE, 19 @ 60% DUTY CYCLE, 0.2 @ NO LOAD	KVA
INPUT SUPPLY CURRENT @ 415V	18 @ 100% DUTY CYCLE, 26 @ 60% DUTY CYCLE, 0.24 @ NO LOAD	AMPS AC
EFFICIENCY	≥ 85	%
POWER FACTOR	0.93 MAX	-
OPEN CIRCUIT VOLTAGE @ 415 V INPUT SUPPLY	70 V (+ / -5V)	VOLTS DC
WELDING CURRENT RANGE	10 - 400	AMPS AC
WELDING CURRENT (AT 40°C & 10 MINUTE DUTY CYCLE)	310 @ 100% DUTY CYCLE, 400 @ 60% DUTY CYCLE	AMPS AC
ARC FORCE CONTROL (MMA MODE)	0 - 100 (80 A MORE CURRENT THAN SET CURRENT WHEN SET AT FULL)	%
HOT START (MMA MODE)	0 - 100 (HOT START SET % MORE THAN SET CURRENT)	%
WELDING ELECTRODE SIZES DIAMETER	E - 6013 AND E - 7018: 2.5 - 6 MM;	MM
REMOTE CONTROLLER (OPTIONAL)	PROVIDED AS OPTIONAL FOR CURRENT SETTING	10 METER
COOLING	FORCED AIR	TYPE
CLASS OF INSULATION	H	CLASS
INGRESS PROTECTION	IP 23 (S)	-
DIMENSIONS (L X W X H)	580 X 237 X 440	MM
WEIGHT (APPROX.)	24	KG