

CHAMP VERSA 800

The new inverter based Multipurpose Heavy Duty DC Welder



It is a new generation Inverter based 800 Amps capacity heavy duty multi process Welding outfit. Multi process welding supports the synergic GMAW , MMA and GOUGING processes for long distance welding upto 50 meters. This feature makes it suitable for applications for shop floor and fabrication where long distance welding is done. Due to its long distance welding feature, it is more suitable for bigger size tank welding. Following are the salient features of this machine.

- ❖ Inverter based digitally controlled MMA/GOUGING and GMAW outfit.
- ❖ Advanced digital control algorithms enable superior arc characteristics.
- ❖ Synergic mode of operation for single point control that allows Automatic parameter selection (Synergic) in MMA, MIG mode.
- ❖ Digital pulse feedback from wire feeding motor for accurate control of wire speed.
- ❖ Dual 7 segments LED display for actual current/ wire speed and voltage display.
- ❖ Wire Feeder with digital console for remote parameter setting.
- ❖ MIG Mode: Available with detachable wire feeder with standard 5 meter interconnection cable and optional 10 meter interconnection cable.
- ❖ MMA Mode: Available with standard 10 meter long remote control and optional 50 meter long remote control
- ❖ High efficiency (>85%)
- ❖ Protections against over and under input supply voltage, Single-phasing and Overheating of power components.



PASSION FOR WELDING SINCE 1951

ADOR WELDING LIMITED

(Formerly Known as Advani-Oerlikon Ltd.)

www.adorwelding.com



CHAMP VERSA 800



POWER SOURCE	MODEL	CHAMP VERSA 800
PARAMETER	UNIT	VALUE
INPUT		
SUPPLY VOLTAGE, PHASE, FREQUENCY	VOLT, AC	415 V +15%, -10%, 3 PHASE, 50 / 60 HZ
INPUT KVA @ 415 V SUPPLY (MMA MODE)	KVA	36.0 @ 100% DUTY CYCLE, 46.0 @ 60% DUTY CYCLE, 0.2 @ NO LOAD
INPUT POWER SUPPLY CURRENT @ 415 V SUPPLY	AMP, AC	50.0 @ 100% DUTY CYCLE, 64.0 @ 60% DUTY CYCLE, 0.24 @ NO LOAD
POWER FACTOR	λ	0.84 MAXIMUM
EFFICIENCY	%	≥ 85
OUTPUT		
OPEN CIRCUIT VOLTAGE @ 415V INPUT SUPPLY	VOLT, DC	89 V \pm 5 V DC
WELDING CURRENT RANGE	AMP, DC	MMA MODE 100 - 800, MIG MODE 100 - 600
WELDING CURRENT AT 40°C, 10 MINUTE CYCLE	AMPS, DC	MMA / MIG MODES - 600 AMPS @ 100% DUTY CYCLE, MMA MODE ONLY - 800 AMPS @ 60% DUTY CYCLE
GENERAL		
MMA WELDING ELECTRODE SIZES	DIAMETER IN MM.	3.2, 4.0, 5.0, 6.3
GOUGING ELECTRODE SIZES	DIAMETER IN MM.	UP TO 9.0 MM
SUITABLE WIRE SIZES - DIAMETER (MIG MODE)	MM	1.2, 1.6
REMOTE CONTROL UNIT (FOR MMA WELDING)	10 METER	PROVIDED FOR REMOTE CURRENT SETTING IN MMA MODE
PROTECTIONS (AUTO-RESETTABLE)	-	OVER VOLTAGE, UNDER VOLTAGE, SINGLE-PHASING, OVER TEMPERATURE
FRONT PANEL FUNCTIONS	-	1) MAINS ON - GREEN LED INDICATOR 2) TRIP - RED LED INDICATOR TO INDICATE THAT THE MACHINE IS IN PROTECTION MODE 3) MMA / GOUGING MODE - RED LED INDICATION 4) MIG MODE - RED LED INDICATION 5) 'REMOTE ON' - RED LED INDICATION 6) DPM FOR DISPLAY OF CURRENT / WIRE SPEED AND VOLTAGE (WITH LED INDICATION) 7) CURRENT / WIRE SPEED ADJUSTMENT ENCODER 8) POWER ON / OFF ROTARY SWITCH 9) REMOTE CONTROL SOCKET
COOLING	TYPE	FORCED AIR
AMBIENT TEMPERATURE RATING	°C	40
CLASS OF INSULATION	-	H
DEGREE OF PROTECTION	-	IP23S
DIMENSIONS (POWER SOURCE ONLY): L X W X H	MM	805 X 470 X 895
WEIGHT (APPROX.)	KG	92

WIRE FEEDER	MODEL	REACHFEED 40
PARAMETER	UNIT	VALUE
WEIGHT (WITHOUT SPOOL AND CABLE ASSEMBLY)	KG	13 KG (APPROX)
DIMENSIONS (L X W X H)	MM	610 X 350 X 210
SUITABLE FOR WIRE SPOOL CAPACITY	KG	15 KG
WIRE DRIVE MOTOR	TYPE	PERMANENT MAGNET, DC 42 V, 80 WATTS
WIRE ROLL DRIVE	NO	FOUR
WIRE FEED SPEED	METERS / MINUTE	2.5 TO 22
SUITABLE FOR WIRE SIZES	MM	0.8, 1.0, 1.2, 1.6

- Wire feeder is available in suitcase type and light weight modular design, which is easy to carry.
- Detachable interconnection cable
- Wire Feeder with digital console for remote parameter setting

- ❖ **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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