



CHAMPMULTI 400 / 600

400 / 600 Amp capacity MIG / FCAW / MMA / TIG Welder



Key Attributes

- Multi-process welding outfits with an inverter-based welding power source.
- The welding power source has both constant current (CC) and constant voltage characteristics (CV), making it suitable for MMA and MIG/MAG and FCAW applications.
- Power source is protected against single phasing, undervoltage, overvoltage, short circuit, and temperature rise.
- MMA process with this outfit is most suitable for all kinds of electrodes, including CELWEL, for fabrication work, pipe welding, site construction, etc.
- GMAW process is suitable for welding in a semiautomatic/automatic mechanism for welding MS, SS, and Al materials with solid and flux core wires (FCAW mode).



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SALIENT FEATURES:

- Single-point synergic control in GMAW.
- User-friendly digital front panel and digital remote controller with display.
- Auto "Weld Stop" when welding torch is taken away from the workpiece.
- 2T, 4T, Spot, and Multi Spot operating modes in MIG mode as well as FCAW mode.
- Dynamic inductance adjustment in GMAW process and arc force adjustment in MMA process for better arc control.
- Crater voltage and crater current adjustment through the digital panel.
- Unique feature of pinch-off pulse to avoid globule formation.
- The front panel includes a digital display for easy fault diagnostics with error codes.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE		UNIT
	ICCCVR 400 (CHAMPMULTI 400)	ICCCVR 600 (CHAMPMULTI 600)	
SUPPLY VOLTAGE, PHASE, FREQUENCY	415 (+15% - 10%), 3. 50 / 60		V AC, NOS., HZ
INPUT POWER @ 100% DUTY CYCLE	13	MMA / MIG / FCAW MODES: 22; TIG MODE: 16.5	KVA
EFFICIENCY	> 85	0.93 MAX	λ
OPEN CIRCUIT VOLTAGE @ 415V INPUT SUPPLY	84 - MMA MODE; 55 - MIG MODE; 84 - TIG MODE	MMA / TIG MODES: 90; MIG / FCAW MODES: 76	V DC
WELDING AND CRATER CURRENT RANGE - MIG / FCAW	40 - 500	65 - 600	A DC
WELDING CURRENT RANGE - CC	MMA: 50-400; TIG: 10-400	MMA: 50-600; TIG: 10-600	A DC
DUTY CYCLE	310 @ 100%; 400 @ 60%	465 @ 100%; 600 @ 60%	A DC
WELDING AND CRATER VOLTAGE RANGE - MIG / FCAW	14-40 V	14-44 V	V DC
WELDING VOLTAGE RANGE - CC	MMA: 22 - 36 V; TIG: 10.4 - 26 V	MMA: 22 - 44 V; TIG: 10.4 - 34 V	V DC
SUITABLE WELDING ELECTRODE SIZE	2.5, 3.2 , 4, 5, 6 MM DIAMETER	2.5, 3.2 , 4, 5, 6 MM DIAMETER	MM
SUITABLE WIRE SIZE DIA	0.8, 1.0, 1.2, 1.6 MM DIAMETER	0.8, 1.0, 1.2, 1.6 MM DIAMETER	MM
REMOTE CONTROL	REMOTE CONTROL FOR SETTING VOLTAGE AND CURRENT		-
PROTECTIONS AUTO RESETTABLE	OVER VOLTAGE, UNDERVOLTAGE, SINGLE - PHASING, OVER TEMPERATURE		-
COOLING	FORCED AIR	FORCED AIR	TYPE
CLASS OF INSULATION	H	H	CLASS



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DEGREE OF PROTECTION	IP23 (S)	IP23 (S)	-
DIMENSIONS L X W X H	670 X 315 X 570	700 X 460 X 650	MM
WEIGHT (APPROX.)	52	57	KG
WIRE FEEDER	FEEDLITE 40 NEM ©	FEEDLITE 40 NEH ©	-
WIRE FEEDER DRIVE UNIT	4 ROLL PMDC TYPE	4 ROLL PMDC TYPE	-
MOTOR VOLTAGE	42 V DC	42 V DC	-
WIRE SPEED	1.5 TO 18	1.5 TO 18	METERS / MINUTE
WIRE SPOOL CAPACITY	15 KG	15 KG	KG
SUITABLE FOR WIRE DIAMETER	0.8,1.0,1.6	0.8,1.2,1.6	MM
DIMENSIONS (L X W X H)	563 X 230 X 410	563 X 230 X 410	MM
WEIGHT	16 KG (APPROX)	16 KG (APPROX)	KG
TORCH	HIPRO 404 (E) B / MTG 400 (E)	HIPRO 502 (E) / MTG 600 (E)	MODEL