

CHAMPMULTI 500

AMP CAPACITY MIG / FCAW / MMA / TIG WELDER



Key Attributes

- Single point synergic control in GMAW.
- User-friendly digital front panel and digital remote controller with display.
- 2T, 4T, Spot and multi Spot operating modes in MIG mode as well as in 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 digital panel.
- Error code digital display on front panel – for easy fault diagnostics.

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TECHNICAL SPECIFICATIONS

PARAMETERS	VALUE	UNIT
SUPPLY VOLTAGE, PHASE, FREQUENCY	415 (+15% - 10%), 3, 50 / 60	V AC, NOS., HZ
INPUT POWER (MMA MODE)	18.5 @ 100%; 26.5 @ 60% DUTY CYCLE	KVA
EFFICIENCY	> 87	%
POWER FACTOR	0.93 MAX	λ
OPEN CIRCUIT VOLTAGE	MMA / TIG: 70; MIG / FCAW: 65	V DC
WELDING / CRATER CURRENT RANGE (MIG)	65 - 500	A DC
WELDING CURRENT RANGE - CC	MMA: 50 - 500; TIG: 10 - 500	A DC
DUTY CYCLE	387 @ 100%; 500 @ 60%	A DC
WELDING / CRATER VOLTAGE RANGE - MIG	14 - 44 V	V DC
SUITABLE WELDING ELECTRODE SIZE	2.5, 3.2, 4, 5, 6 MM DIAMETER	MM
SUITABLE WIRE SIZE DIAMETER	0.8, 1.0, 1.2, 1.6 MM DIAMETER	MM
COOLING	FORCED AIR	TYPE
CLASS OF INSULATION	H	CLASS
DEGREE OF PROTECTION	IP 23 (S)	-
DIMENSIONS (L X W X H)	700 X 460 X 650	MM
WEIGHT (APPROX.)	57	KG
WIRE FEEDER	FEEDLITE 40 NEH (C)	-
WIRE FEEDER DRIVE UNIT	4 ROLL PMDC TYPE	
MOTOR VOLTAGE	42 V DC	
WIRE SPEED	1.5 TO 18	METERS / MINUTE
WIRE SPOOL CAPACITY	15 KG	KG
SUITABLE FOR WIRE DIAMETER	0.8, 1, 1.2, 1.6	MM
DIMENSIONS (L X W X H)	563 X 230 X 410	MM
WEIGHT	16 KG (APPROX)	KG
TORCH	HIPRO 502 (E) / MTG 600 (E)	MODEL