

Buddy™ TIG 400i

Robust Inverter for TIG and MMA welding



Buddy™ TIG 400i

Rugged and Efficient

Buddy™ Tig 400i is an IGBT based inverter controlled power source meant for HF TIG and MMA welding in compliance with International Standards.

- Wide mains voltage tolerance - 400V +/-15%.
- Energy savings with low input current and high power factor.
- Suitable for all types of MMA electrodes (MSGP, LH and Cellulosic) with hot start, arc force & VRD.
- High Safety Standards with application class S rating for operating in conditions with high electrical hazards.

Visit www.esabindia.com for more information.

Industry

- Shipbuilding.
- General fabrication.
- Pipe welding.



TIG welding

Specifications / Technical data

Mains supply, V/Ph, Hz	400 ± 15% / 3, 50
Effective input current, A	17
Permitted load at 40% duty cycle, A	400
Permitted load at 60% duty cycle, A	310
Permitted load at 100% duty cycle, A	250
Power factor at maximum current	0.90
Efficiency at maximum current, %	85
Current range: HF TIG/ MMA, A	5- 400/ 20- 400
Open circuit voltage(OCV), V	80
Reduced OCV (VRD), V	<15
Dimensions l x w x h, mm	540 x 280 x 510
Weight, kg	32.5
Operating temperature, degree C	-10 to 40
Enclosure class	IP21
Application class	S
Standards	IEC 60974- 1, IEC 60974- 10

Ordering Information

Description	Part number	Description	Part number
Buddy™ Tig 400i	0700302000	TXH™ 401w 8M OKC 50	0700300567
TXH™ 201 4M OKC 50	0700300552	TXH™ 401w HD 4M OKC 50	0700300566
TXH™ 201 8M OKC 50	0700300555	COOLING UNIT, OCE 2H	0414191881
TXH™ 401w 4M OKC 50	0700300565	DURA ARGON	4330196510

Note: Buddy™ Tig 400i is delivered with 3m mains cable, 3m work cable with clamp, 3m gas hose with 2 hose camps.

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COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =

TIG 400iw

Integrated Power Source with Water Cooling Unit



TIG 400iw

User Friendly Integrated Unit

TIG 400iw is an IGBT based inverter welding power source with in-built HF unit, cooling unit and water cooling torch for continuous welding applications.

- Digital Voltmeter & Ammeter
- Individual Knobs for easy parameter setting
- In-built trolley with cooling unit & cylinder mount
- Spot welding

Visit www.esabindia.com for more information.

Industry

- General Fabrication
- Shipbuilding
- Pipe Welding



Specifications / Technical data

TIG 400iw	
Mains supply, V / Ph, Hz	415 ± 10% / 3, 50
Rated input power, KVA	18.7
Rated input Current, A	26
Permitted load at 60% duty cycle, A	400
Permitted load at 100% duty cycle, A	310
Power factor	0.93
Efficiency at maximum current, %	85
Current range: TIG / MMA, A	20 - 400 / 25 - 350
Open circuit voltage (OCV), V	65
Dimensions (with cooling unit) l x w x h, mm	977 x 420 x 913
Weight, kg	65
Enclosure class	IP21S
Cooling Unit	
Input Voltage, V / Ph	220 / 1
Input power, Watt	350
Capacity, L	6.5
Drainage capacity, L/min	6
Maximum Pressure, Bar	2.4

Ordering Information

Description	Part number	Description	Part number
TIG 400iw	4640 210 400	OKC 50 -70Sq. mm. Male	2002 004 002
IAR 52B (2 GAUGE) ARGON	4330 196 320	TIG Professional Gloves	2001 005 003
HFR Weld Cable Cu 50 Sq mm	4600 600 182	Warrior Tech 9-13 Yellow	0700 000 401
Holder Confort 600	2002 001 002	Welding Jacket LW	2001 007 010

Note: TIG 400iw is delivered with 3m Mains cable, In-built Colling unit with cylinder mounted trolley, 5m water cooling TIG torch and 3m earth cable with earth clamp.

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