



TIG WELDERS

TIG WELDERS

TIG WELDERS		INPUT		OUTPUT			PROCESS				FEATURES						
		Phase	Voltage (V)	Frequency (Hz)	Mode	Polarity	Current Range (A)	Stick	Lift TIG	TIG HF	TIG Pulse	PFC	Motor generator compatibility	Up/Down	Memory	Metres (A/V)	Warranty (years)
MODEL	REFERENCE																
TIG DC (1 phase)																	
CITOTIG 1600 HPF	W000273517	1	230	50/60	CC	DC	5-160	●	●	●		●	●				2
CITOTIG 1800 FORCE	W000382579	1	230	50/60	CC	DC	5-160	●	●	●	●	●	●		●	●	2
CITOTIG 2200 FORCE	W000382580	1	230	50/60	CC	DC	5-220	●	●	●	●	●	●		●	●	2
TIG DC (3 phase)																	
CITOTIG 315 DC	W000403581	3	400	50/60	CC	DC	5-300	●	●	●	●		●	●	●	●	3
CITOTIG 415 DC	W000403583	3	400	50/60	CC	DC	5-400	●	●	●	●		●	●	●	●	3
TIG AC/DC (1 phase)																	
CITOTIG 200 AC/DC	W000404214	1	115/230	50/60	CC	AC/DC	2-200	●	●	●	●	●	●	●	●	●	3
TIG AC/DC (3 phase)																	
CITOTIG 315 AC/DC	W000403604	3	230/400	50/60	CC	AC/DC	2-300	●	●	●	●	●	●		●	●	3

CITOTIG 1600 HPF

Leading technology in TIG DC welding. User friendly interface.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% Input voltage variation, PFC controller.
- Usable with great length of primary cable (up to 70 m in 2,5 mm² section).
- Good welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Portable – light weight: only 10,2 kg.
- Reduced noise – "intelligent" cooling fan.
- Save energy – low current consumption.
- Simple control panel – full control, easy set up.
- 2 year warranty for labour and parts without limitations.
- Motor generator compatible.



Processes

Stick, Lift TIG, TIG HF

Applications

- Light industry
- Motorsports
- Maintenance and repair
- Process and food industry
- Intervention service

Input



Output



LONG : 70 m
SECTION : 3 x 2.5 mm²

UNIT INCLUDES

Input cable with schuko plug (3 m)
Ground cable (3 m)
Gas connection kit



Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
CITOTIG 1600 HPF	W000273517	230	+/- 20%	50/60	5-160	160A@35% 120A@100%	16	Air	205 x 345 x 460	9,5	IP23S / H

CITOTIG 1800 FORCE

Advanced inverter technology for superior TIG performance.
Very good HF arc ignition; stable, focused and fast arc.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% input voltage variation, PFC controller.
- Usable with great length of primary cable (up to 70 m in 2,5 mm² section).
- Decent welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Portable – light weight: only 10,2 kg.
- Reduced noise – "intelligent" cooling fan.
- Energy-saving – low current consumption.
- Simple control panel – easy setup, full control.
- Unlimited labour and parts 2 year warranty.
- Optional remote control.
- Possibility to use with autonomous water cooler system FREEZTIG (W000382728).
- Program storage capability (30).
- Digital display.
- Motor generator compatible.



Processes

Stick, Lift TIG, TIG HF, TIG Pulse

Applications

- Light industry
- Motorsports
- Maintenance and repair
- Process and food industry
- Intervention service

Input



Output



LONG : 70 m
SECTION : 3 x 2.5 mm²



UNIT INCLUDES

Input cable with schuko plug (3 m)
Ground cable (3 m)
Gas connection kit



Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
CITOTIG 1800 FORCE	W000382579	230	+/- 20%	50/60	5-160	160A@40% 130A@100	16	Air / Water	205 x 345 x 460	10,2	IP23S / H

CITOTIG 2200 FORCE

Advanced inverter technology for superior TIG performance.
Very good HF arc ignition; stable, focused and fast arc.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% input voltage variation, PFC controller.
- Program storage capability (30).
- Usable with great length of primary cable (up to 70 m in 2,5 mm² section).
- Excellent welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Digital display.
- Portable – light weight: only 10,2 kg.
- Reduced noise – "intelligent" cooling fan.
- Energy-saving – low current consumption.
- Simple control panel – easy setup, full control.
- Unlimited labour and parts 2 year warranty.
- Possibility to use with autonomous water cooling system FREEZTIG (W000382728).
- Optional remote control.
- Motor generator compatible.



UNIT INCLUDES

Input cable with schuko plug (3 m)
Ground cable (3 m)
Gas connection kit

WARRANTY
2
YEARS

Processes

Stick, Lift TIG, TIG HF, TIG Pulse

Applications

- Light industry
- Motorsports
- Maintenance and repair
- Process and food industry
- Intervention service


LONG : 70 m
SECTION : 3 x 2.5 mm²

Input

1
PHASE

50/60
Hz

Output

CC

DC

PFC

GENERATOR READY

Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
CITOTIG 2200 FORCE	W000382580	230	+/- 20%	50/60	5-220	220A@40% 150A@100	16	Air / Water	205 x 345 x 460	10,2	IP23S / H

CITOTIG 315 DC & 415 DC

Advanced inverter technology for superior DC TIG performance.
Industrial TIG welder for tough conditions.

- Fully functional, user-friendly control panel layout with graph and numeric display makes it easy to set all welding parameters.
- Rugged construction: electrical safety (IP23S), potted PC boards and optimum airflow reduce contamination to extend the equipment's lifespan in the harshest environmental conditions.
- HF and Lift TIG ignition meeting all requirements.
- Perfect TIG HF starting with pre-settable starting mode.
- Complete TIG parameters setting: Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory slots for personalized welding settings, TIG Spot welding.
- Water Coolers and Carts available.
- 3 year warranty – for labour and parts.
- Optional remote control.
- Up/down function.
- Cellulosic capability.
- Motor generator compatible.



UNIT INCLUDES

Input cable (2m)
Gas connection kit

WARRANTY
3
YEARS

Processes

Stick, Lift TIG, TIG HF, TIG pulse

Applications

- Heavy industrial applications
- Industrial plants
- Maintenance and repair
- Pipe construction
- Process and food industry
- Metal construction
- Aerospace industry
- Nuclear industry
- Chemical industry

Input

3
PHASE

50/60
Hz

Output

CC

DC

GENERATOR READY

WATER COOLING

Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
CITOTIG 315 DC	W000403581	400	+/- 15%	50/60	5-300	300A/22V/40% 220A/18,8V/100%	20	Air / Water	349 x 247 x 502	22,1	IP23S / H
CITOTIG 415 DC	W000403583				5-400	400A/26V/35% 300A/22V/100%	30		455 x 301 x 632	37	

CITOTIG 200 AC/DC

Leading technology in TIG AC/DC welding with a user-friendly interface and innovative remote control system in the torch.

- Superb arc performance – Excellent HF ignition, stable & fast arc, minimum current 2A.
- Advanced TIG AC & DC Functions – Four wave shapes, Pulse, adjustable Balance and Offset, innovative and simple control panel, AC auto setting.
- Generator compatible, ideal for site use.
- Cellulosic capability.
- Bright digital display – easy setup buttons, 9 memory slots, new control in the TIG torch.
- Energy efficient 1 phase buck-boost circuit for energy saving.
- Robust design – Potted PCBs, True HD design (special protection for use in harsh conditions).
- Best aluminium welding performance.
- Up/down function.
- Water Coolers and Cart available.
- Motor generator compatible.

UNIT INCLUDES

Input cable (3 m)
Gas connection kit



Processes

Stick DC, Stick AC, TIG DC, TIG AC, TIG Lift, TIG HF, TIG Pulse

Applications

- Industrial applications
- Industrial plants
- Maintenance and repair
- Pipe construction
- Process and food industry
- Metal construction
- Aerospace industry
- Chemical industry
- Aluminium solutions



Input



Output



Product	Reference	Primary Voltage (50-60 Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions WxLxD (mm)	Protection Class
CITOTIG 200 AC/DC	W000404214	115/230V/1Ph +/- 15%	2-200	200A@35% 130A@100%	16A	23	419 x 246 x 506	IP23

TIG AC/DC / THREE PHASE INVERTER WELDERS

CITOTIG 315 AC/DC

For superior TIG performance.

- Advanced waveform technology for the best aluminium welding performance.
- Superb welding characteristics with TIG DC, TIG AC and Stick welding processes.
- Adjustable cleaning and penetration for perfect aluminium welding.
- Variable AC frequency (40-400 Hz) for the control of travel speed and penetration.
- Fully functional, user-friendly control panel layout with graph and a numeric display makes it easy to set all welding parameters.
- Cellulosic capability.
- Energy efficient 3 phase buck-boost circuit for energy saving.
- Robust design – Potted PCBs, True HD design (special protection for use in harsh conditions).
- Best aluminium welding performance.
- Water Coolers and Cart available.
- Motor generator compatible.



Processes

Stick DC, Stick AC, TIG DC, TIG AC, TIG Lift, TIG HF, TIG Pulse

Applications

- Heavy industrial applications
- Industrial plants
- Maintenance and repair
- Pipe construction
- Process and food industry
- Metal construction
- Aerospace industry
- Chemical industry
- Nuclear industry
- Aluminium solutions

Input



Output



UNIT INCLUDES

Input cable (3 m)
Gas connection kit

Product	Reference	Primary Voltage (50-60 Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions WxLxD (mm)	Protection / Insulation Class
CITOTIG 315 AC/DC	W000403604	230/400V/3Ph	2-300	300A/22V/35% 200A/18V/100%	32/20	43	455 x 301 x 632	IP23 / H