

TIG Welding

W



TECNICA 190 TIG DC - LIFT VRD



EN TIG (LIFT striking) and MMA inverter welding machines in direct current (DC). Use with a wide range of materials such as **steel, stainless steel, titanium, copper, nickel and their alloys**. Features: compact and light • display to check welding current • dispositivo **VRD** (mod. 190, 227) • dispositivi MV/PFC (mod. 227) • arc force, hot start, anti stick • MMA regulations: arc force and hot start • MMA electrodes: rutile, basic, stainless steel and cast iron • thermostatic, overcurrent, overvoltage, undervoltage, motogenerator ($\pm 15\%$) protections.

IT Saldatrici inverter TIG (innesco LIFT) ed MMA in corrente continua (DC). Impiego con diversi tipi di materiali quali **acciaio, acciaio inox, titanio, rame, nichel e loro leghe**. Caratteristiche: peso e dimensioni ridotte • display per la visualizzazione della corrente di saldatura • dispositivo **VRD** (mod. 190, 227) • dispositivi MV/PFC (mod. 227) • arc force, hot start, anti stick • regolazioni MMA: arc force e hot start • elettrodi in MMA: rutili, basici, inox, ghisa • protezioni termostatica, sovratensione, sottotensione, sovracorrente, motogeneratore ($\pm 15\%$).

FR Postes de soudage inverter TIG (amorçage LIFT) et MMA en courant continu (DC). Utilisation pour différents types de matériaux tels que **acier, acier inox, titane, cuivre, nickel et leurs alliages**. Caractéristiques: poids et dimensions réduits • affichage numérique courant de soudage • dispositif **VRD** (mod. 190, 227) • dispositifs MV/PFC (mod. 227) • arc force, hot start, anti stick • réglages en MMA: arc force et hot start • électrodes en MMA: rutilés, basiques, inox, fonte • protections thermostatique, surcourant, surtension, sous-tension, motogénérateur ($\pm 15\%$).

ES DE RU

TIG LIFT
MMA
DC

230V

CE

EAC

UVultrasound
CERTIFIED



inverter



**TIG
LIFT**

DIGITAL

MMA
ADJUSTABLE
• ARC FORCE
• HOT-START

MMA
TIG

BE READY TO WELD!

**COMPLETE WITH TIG/MMA
ACCESSORIES IN PLASTIC CARRY CASE**

CONSUMABLES: TIG Pag. 230

OPTIONAL



GENERATOR ONLY



TECHNICAL DATA

| | CODE | V _{PH} | A _{MU} MAX | TELWIN %USE 20°C | A _{MAX} 40°C EN 60974-1 A | A _{60%} 40°C EN 60974-1 A | V _O | A _{60%} MAX | P _{60%} MAX | P _{GEN} | η | η/cos φ | Ø _{DC} MIN/MAX | IP | W _H L | k _g |
|--|--------|-----------------|------------------------|------------------------|---|---|----------------|-------------------------|-------------------------|------------------|----|-------------|----------------------------|------|-------------------------|----------------|
| | | V (50-60Hz) | A | | | | V | A | kW | kW | A | | mm | | mm | kg |
| Tecnica 190 Tig DC-LIFT VRD +tig/mma acc. in plastic c.case | 816220 | 230 1 ph | 10÷170 | 88% @ 150A | 160 20% | 110 | 78 | 17 29 | 2,6 4,4 | 6 | 16 | 0,86 0,7 | 1,6 4 | IP23 | 380 L 420 W 170 H | 9,4 |
| Tecnica 190 Tig DC-LIFT VRD | 816019 | | | | | | | | | | | | | | 300 L 130 W 230 H | 4,3 |

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

ADVANCE 227 MV/PFC TIG DC - LIFT VRD



ES Soldadoras inverter TIG (encendido LIFT) y MMA en corriente continua (DC). Uso con los materiales más variados como **acero, acero inoxidable, titanio, cobre, níquel y sus aleaciones**. Características: peso y dimensiones reducidos • visualización de la corriente de soldadura • dispositivo VRD (mod. 190, 227) • dispositivos MV/PFC (mod. 227) • arc force, hot start, anti stick • regulaciones en MMA: arc force y hot start • electrodos en MMA: rutilos, básicos, inoxidables, de fundición • protecciones termostática, sobre corriente, sobre tensión, baja tensión, motogenerador (± 15%).

DE Inverterschweißgeräte zum Schweißen mit Gleichstrom (DC) nach dem WIG (LIFT Zündung) - und MMA Verfahren. Arbeiten mit den verschiedensten Werkstoffen wie **Stahl, Edelstahl, Titan, Kupfer, Nickel und ihren Legierungen**. Eigenschaften: eingeschränkte Gewicht • Anzeige von Schweißstrom • VRD Vorrichtung (mod. 190, 227) • MV/PFC Vorrichtung (mod. 227) • Arc force, Hot start, Anti stick • MMA Einstellungen: Arc Force und Hot Start • Zum MMA: rutiler, basischer, Edelstahl- und Gußeisenelektroden • Schutzvorrichtungen Thermostat, Überstrom, Überspannung, Unterspannung, Stromaggregat (± 15%).

RU Сварочный аппараты с инвертером для сварки TIG (свозбуждением LIFT) и MMA при постоянном токе (DC). Гибкость применения с разными типами материалов, такими как: **сталь, нержавеющая сталь, титан, медь, никель и их сплавы**. Характеристики: уменьшенный вес и размеры • дисплей для отображения сварочного тока • устройство VRD (mod. 190, 227) • устройство MV/PFC (mod. 227) • arc force (сила дуги), hot start (горячий запуск) и Anti-stick (защита от прилипания) • регулирование MMA: arc force (сила дуги) и hot start (горячий запуск) • электроды используемые при MMA: рутитовые, щелочные, нержавеющая сталь и чугун • термостатическая защита, защита от перенапряжения, низкого напряжения, перегрузки по току, motogenerator (±15%).

EN IT FR



inverter



TIG LIFT

DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

GENERATOR ONLY



Advance 227 MV/PFC
Tig DC-LIFT VRD
cod. 816010

COMPLETE WITH TIG ACCESSORIES

CONSUMABLES: TIG Pag. 230

STANDARD



OPTIONAL



| | |
|------------------------|-------------|
| 4m ST9V 8122563 | 8122119 |
| 432036 | 3m DX25 |

| | |
|--------------------------------------|---|
| TIG WELDING KIT 801097 | ELECTRODE HOLDER 16 mm ² 3m DX25 713281 |
|--------------------------------------|---|

| |
|--|
| STAINLESS STEEL TIG CLEANING KIT CLEANTECH 100 850000 |
|--|

| | |
|---|---|
| RUTILE ELECTRODES STEEL | RUTILE ELECTRODES STAINLESS STEEL |
| <ul style="list-style-type: none"> Ø 1,6mm 15pcs 802616 Ø 2mm 15pcs 802617 Ø 2,5mm 15pcs 802618 Ø 3,2mm 10pcs 802619 Ø 4mm 8pcs 802620 | <ul style="list-style-type: none"> Ø 2,5mm 10pcs 802623 Ø 3,2mm 8pcs 802624 |

| | |
|---|---|
| BASIC ELECTRODES STEEL | RUTILE ELECTRODES IN BOX - STEEL |
| <ul style="list-style-type: none"> Ø 2,5mm 10pcs 802621 Ø 3,2mm 8pcs 802622 | <ul style="list-style-type: none"> Ø 2mm 2,5 kg 802737 Ø 2,5mm 2,5 kg 802739 Ø 3,2mm 4 kg 802749 |

| | |
|-----------------------------|---------------------------------|
| GLOVES 802632 | OTHER GLOVES Pag. 236 |
|-----------------------------|---------------------------------|

TECHNICAL DATA

| CODE | V _{PH} | A _{MIN} / A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V _O | A _{60%} MAX | P _{60%} MAX | P _{GEN} | I | η _φ | Ø _{DC} MIN/MAX | IP | W ^H / L | kg |
|--------|-----------------|-------------------------------------|-----------------------|-----------------------|----------------|----------------------|----------------------|------------------|----|----------------|-------------------------|------|-------------------------|--------------|
| | V (50-60Hz) | A | A EN 60974-1 | A EN 60974-1 | V | A | kW | kW | A | % / cos φ | mm | | mm | gen(Kit) |
| 852052 | 100-120 1 ph | 10÷130 | 130 40% * | 110 | 81 | 20 25 | 2,2 2,8 | 5 | 15 | 0,84 0,98 | 1,6 4 | IP23 | 385 L 150 W 265 H | 6,2 (9,2) |
| | 200-240 1 ph | 10÷200 | 200 30% | 135 | | 17,5 27 | 3,7 5,9 | 8 | 16 | | | | | |

Advance 227 MV/PFC
Tig DC-LIFT VRD + tig acc.

(*) A_{60%} = 150A@30% ⇒ I = 20A

TECHNOLOGY TIG 185 DC - HF/LIFT



EN Microprocessor controlled, TIG (high frequency HF or LIFT striking), PULSE TIG-EASY PULSE (mod.230) and MMA inverter welding machines in direct current (DC). Use with a wide range of materials such as **steel, stainless steel, titanium, copper, nickel and their alloys**. TIG regulations: current slope, "bi-level" • start up/end current, spot welding time, pre/post gas, current up/down slope, balance, square wave frequency (mod.230). Other features: 2/4 strokes operation • remote control connector • THINSPOT utility for a rapid and accurate tack welding, VRD device (mod.230) • MMA regulations: arc force, hot start (mod.230) according to the type of electrode in use • protections. The optional TIG PULSE allows Technology 185 the pulse welding. **Complete with TIG welding accessories and aluminium carry case (mod. 185).**

IT Saldatrici inverter TIG (innescio alta frequenza HF o LIFT), TIG PULSATO-PULSATO EASY (mod.230) ed MMA in corrente continua (DC), controllate a microprocessore. Impiego con diversi tipi di materiali quali **acciaio inox, titanio, rame, nichel e loro leghe**. Regolazioni TIG: rampa discesa della corrente, "bi-level" • corrente iniziale/finale, tempo di puntatura, post gas, pre gas, rampa di salita della corrente, balance, frequenza onda quadra (mod. 230). Altre caratteristiche: funzionamento 2/4 tempi • predisposizione per comando a distanza • utility THINSPOT per una rapida e precisa saldatura a punti, dispositivo VRD (mod.230) • regolazioni MMA: arc force, hot start (mod.230) in funzione del tipo di elettrodo in uso • protezioni varie. Technology 185 può saldare in pulsato con l'optional TIG PULSE. **Complete degli accessori per la saldatura TIG e valigetta alluminio (mod. 185).**

FR Postes de soudage inverter TIG (amorçage haute fréquence HF et LIFT), PULSE TIG-EASY pulsé (mod.230) et MMA en courant continu (DC), contrôlés par microprocesseur. Utilisation pour différents types de matériaux tels que **acier, acier inox, titane, cuivre, nickel et leurs alliages**. Régulations en TIG: décroissance du courant, "bi-level" • courant initiale/finale, temps de pointage, pré et post gaz, croissance du courant, balance, fréquence de l'onde carrée (mod.230). Autres Caractéristiques: fonctionnement 2/4 temps • prévus pour contrôle à distance • utility THINSPOT pour le pointage précise and rapide, dispositif VRD (mod.230) • régulations en MMA: arc force et hot start (mod.230) en fonction de l'électrode utilisé • protections. L'optional TIG PULSE permet le soudage en pulsé pour Technology 185. **Fournis avec accessoires de soudage TIG et mallette de aluminium (mod.185).**

ES DE RU

inverter

TIG
HF-LIFT
MMA DC

230V

REMOTE CONTROL

CE

EAC



COMPLETE WITH ACCESSORIES IN ALUMINIUM CARRY CASE

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | | STAINLESS STEEL TIG CLEANING KIT | |
|---------------------|----------|---|---|---|---|---------------------------|---|--|
| 4m ST17 ☐ 742423 | ☐ 722119 | MMA - MIG/MAG TIG MASK JAGUAR FIRE Automatic - Variable ☐ 802807 OTHER MASKS Pag. 38 | TIG TORCH 4m ST17 Blue line ☐ 742460 | ELECTRODE HOLDER 16 mm ² 3m DX25 ☐ 713281 | REMOTE CONTROLS 1 pot. ☐ 802219 2 pot. ☐ 802336 Pedal ☐ 802017 | CLEANTECH 200 ☐ 850020 | GLOVES ☐ 802632 OTHER GLOVES Pag. 236 | |
| ☐ 733511 | 3m DX25 | | TIG PULSE ☐ 802057 | TIG WELDING KIT ☐ 802415 | | | | |
| ☐ 432036 | ☐ 802067 | | | | | | | |

TECHNICAL DATA

| CODE | V _{PH} | A _{MIN} / A _{MAX} | A _{MAX} 40°C | A _{60°C} 40°C | V ₀ | A _{50% MAX} | P _{60% MAX} | η | φ | ∅ _{DC} MIN/MAX | IP | W ^H / L | kg |
|--|-----------------|-------------------------------------|-----------------------|------------------------|----------------|----------------------|----------------------|----|-------------|-------------------------|------|-------------------------|---------------|
| | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | | η/cos φ | mm | | mm | gen(kit) |
| Technology Tig 185 DC-HF/LIFT + acc. in alu carry case | 230 1 ph | 5 ÷ 160 | 160 25% | 100 | 91 | 17 27 | 2,5 4 | 16 | 0,82 0,7 | 1,6 3,2 | IP23 | 375 L 505 W 190 H | 6,8 (12,9) |

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

TECHNOLOGY TIG 230 DC - HF/LIFT VRD



ES Soldadoras inverter TIG (encendido alta frecuencia HF y LIFT), TIG PULSADO - pulsado EASY (mod.230) y MMA en corriente continua (DC), controladas por microprocesador. Uso con los materiales más variados como **acero, acero inoxidable, titanio, cobre, níquel y sus aleaciones**. Regulaciones TIG: rampa de descenso corriente, "bi-level" • corriente inicial/final, tiempo de soldadura por puntos, pre/post gas, rampa de subida corriente, balance, frecuencia de la onda cuadrada (mod. 230). Otras Características: funcionamiento 2/4 tiempos • predisposición para el control a distancia • utility THINSPOT para la soldadura por puntos precisa y rápida, dispositivo VRD (mod.230) • regulaciones MMA: arc force y hot start en función del tipo de electrodo en uso • protecciones. Con el opcional TIG PULSE Technology 185 puede soldar en pulsado. **Equipadas con accesorios para soldadura TIG y maleta aluminio (mod. 185).**

DE Mikroprozessorgesteuerte Inverterschweißgeräte zum Schweißen mit Gleichstrom (DC), nach dem WIG, PULSE WIG (Hochfrequenz HF und LIFT Zündung), EASY Impulsstrom (mod.230) - und MMA Verfahren. Arbeiten mit den verschiedensten Werkstoffen wie **Stahl, Edelstahl, Titan, Kupfer, Nickel und ihren Legierungen**. WIG Einstellungen: Stromabstieg, "bi-level" • Anfang/Endlauf Strom, Punktschweißdauer, Vor/Nachgas, Kennlinie Stromanstieg, balance, Quadratwellenfrequenz (mod. 230). Mehrere Einstellungen: 2/4 Taktbetrieb • Fernkontrollanschluss • Funktion THINSPOT, die zügige, präzise Punktschweißungen ermöglicht • VRD Vorrichtung (mod. 230) • MMA Einstellungen: Arc Force und Hot Start (mod. 230) an den jeweiligen Electroden typ • Schutzvorrichtungen. Die Optional TIG PULSE ermöglicht das Impulsstrom Schweißen f. Technology 185. **Komplett mit Schweißzubehör für WIG Schweißen und Aluminium Koffer (mod. 185).**

RU Сварочные аппараты с инвертером для сварки TIG, PULSE TIG (поджигание искрой HF и прикасанием LIFT), EASY импульсной сварки (mod. 230) и MMA, при постоянном токе (DC), с микропроцессорным контролем. Гибкость применения с разными типами материалов такими как: **сталь, нержавеющая сталь, титан, медь, никель, и их сплавы**. Регулирование TIG: спад тока, "bi-level" - двухуровневое регулирование • начальный/конечный ток, время контактной сварки, подача газа перед-после сварки, плавный подъем тока, баланс, частота волны (mod.230). Другие функции: выбор работы 2/4 такта • дистанционное управление • THINSPOT функция для быстрой и точной точечной сварки, устройство VRD (mod.230) • регулирование MMA: arc force (сила дуги), hot start (горячего пуска) (mod.230) в зависимости от типа используемого электрода • защита. Опциональная принадлежность TIG PULSE позволяет вести Technology 185 импульсную сварку. **Укомплектованы принадлежностями для сварки TIG и алюминиего чемоданчика (mod. 185).**

EN IT FR



inverter



COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | GENERATOR ONLY | |
|----------|-------------------|--|--------------------------------------|-------------------|---|------------------|---|
| | 4m ST26 742614 | | | | | | |
| | 722119 | | 25 mm ² 4m DX50 713282 | 8m ST26 742616 | Green line ST26 4m 742618 8m 742619 | 1 pot. 802219 | |
| | 3m DX50 | | | | + REMOTE DEVICE | 2 pot. 802336 | |
| | IT | JAGUAR FIRE Automatic - Variable 802807 OTHER MASKS Pag. 38 | | | 802810 | Pedal 802017 | Technology TIG 230 DC-HF/LIFT VRD cod. 816040 |
| | 432036 | | 850020 | 802788 | | | |
| | 802067 | | | | | | |

TECHNICAL DATA

| CODE | V _{PH} | A _{MIN} / A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} / A _{MAX} | P _{60%} / P _{MAX} | η | φ | ∅ DC MIN/MAX | IP | W ^H / L | kg |
|---|-----------------|-------------------------------------|-----------------------|-----------------------|----------------|-------------------------------------|-------------------------------------|----------|-----------|--------------|------|-------------------------|---------------|
| | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | A | 1/1/cos φ | mm | | mm | gen(kit) |
| Technology TIG 230 DC - HF/LIFT VRD + accessories | 852055 | 230 1 ph | 10÷220 | 220 30% | 125 | 95 | 26 36 | 4,1 6 | 20 | 0,86 0,7 | IP23 | 430 L 176 W 340 H | 9,7 (14,8) |

TECHNOLOGY TIG 182 AC/DC - HF/LIFT



EN Microprocessor controlled, TIG (high frequency HF or LIFT striking), PULSE TIG and MMA inverter welding machines in direct and alternating current (AC/DC). Use with a wide range of materials such as **steel, stainless steel, aluminium, titanium, copper, nickel, magnesium and their alloys.**
 Features: pulse and EASY pulse operation (mod.222) • adjustable pre-heating for simpler striking in AC • TIG regulations: bi-level, balance, pre gas, post gas, currents, slopes/square wave frequency • THINSPOT function for quick and precise tack welding (mod.222) • 2/4 times operation • MMA regulations: arc force and hot start (mod.222) • anti-stick device • VRD device (mod.222) • remote control connector • various protections.
Complete with TIG welding accessories.

IT Saldatrici inverter TIG (innesco alta frequenza HF e LIFT) TIG PULSATO ed MMA in corrente continua e alternata AC/DC, controllate a microprocessore. Impiego con diversi tipi di materiali quali **acciaio, acciaio inox, alluminio, titanio, rame, nichel, magnesio e loro leghe.**
 Caratteristiche: funzionamento in pulsato e pulsato EASY (mod.222) • pre-riscaldamento regolabile per innesco facilitato in AC • regolazioni TIG: bi-level, balance, pre gas, post gas, correnti, rampe/frequenza onda quadra • utility THINSPOT per una rapida e precisa saldatura a punti (mod.222) • funzionamento 2/4 tempi • regolazioni MMA: arc force and hot start (mod.222) • dispositivo anti-stick • dispositivo VRD (mod.222) • predisposizione per comando a distanza • protezioni varie. **Complete degli accessori di saldatura TIG.**

FR Postes de soudage inverter TIG (amorçage haute fréquence HF et LIFT), PULSE TIG et MMA en courant continu et alternatif (AC/DC), contrôlés par microprocesseur. Utilisation pour différents types de matériaux tels que **acier, acier inox, aluminium, titane, cuivre, nickel, magnésium et leurs alliages.**
 Caractéristiques: fonctionnement en pulsé et EASY pulsé (mod.222) • préchauffé réglable pour amorçage facilité en CA • régulations en TIG: bi-level, balance, pre et post gaz, courants, croissance et décroissance/fréquence de l'onde carrée • fonctionnalité THINSPOT, qui permet des soudages par points rapides et précis (mod.222) • fonctionnement 2/4 temps • régulations en MMA: arc force et hot start (mod.222) • dispositifs anti-stick • dispositif VRD (mod.222) • prévu pour contrôle à distance • protections. **Fournis avec accessoires de soudage TIG.**

ES DE RU

TIG HF
MMA
AC/DC

230V

REMOTE CONTROL

CE

ERC



inverter

PULSE

BLUE LINE TIG TORCHES (OPTIONAL)

Leather cable for high flexibility

MAXIMUM FLEXIBILITY

COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | OPTIONAL | GENERATOR ONLY | | | |
|--|---|---|--|---|--|
| 4m ST17 802423 722119 3m DX25 IT 432036 802067 | MMA - MIG/MAG TIG MASK STREAM Automatic 802813 OTHER MASKS Pag. 38 TIG TORCHES 4m ST17 Blue line 742460 TIG WELDING KIT 802415 ELECTRODE HOLDER 16 mm ² 3m DX25 713281 STAINLESS STEEL TIG CLEANING KIT CLEANTECH 100 850000 | REMOTE CONTROLS 1 pot. 802219 2 pot. 802336 Pedal 802017 | GLOVES 802632 OTHER GLOVES Pag. 236 | <p>Technology Tig 182 AC/DC-HF/LIFT cod. 815332</p> | |

TECHNICAL DATA

| | CODE | V _{PH} | A _{MIN} A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | η | φ | ∅ _{DC} MIN/MAX | IP | W _H | kg |
|--|--------|-----------------|--------------------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|----|-------------|----------------------------|------|-------------------------|---------------|
| | | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | A | 1/1/cos φ | mm | | mm | gen(kit) |
| Technology Tig 182 AC/DC - HF/LIFT + accessories | 852030 | 230 1 ph | 5÷160 | 160 20% | 85 | 94 | 18 29 | 2,5 4,3 | 16 | 0,75 0,7 | 1,6 3,2 | IP23 | 430 L 170 W 340 H | 9,7 (13,7) |

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

TECHNOLOGY TIG 222 AC/DC - HF/LIFT VRD



ES Soldadoras inverter TIG (con encendido alta frecuencia HF y LIFT), TIG PULSADO y MMA en corriente continua y alterna (AC/DC), controladas por microprocesador.

Uso con los materiales más variados como **acero, acero inoxidable, aluminio, titanio, cobre, níquel, magnesio y sus aleaciones.**

Características: funcionamiento en pulsado y pulsado EASY (mod.222) • precalentamiento ajustable para cebado facilitado en CA • regulaciones TIG: bi-level, balance, pre/post gas, corrientes, rampas/frecuencia de la onda cuadrada • THINSPOT función para la soldadura por puntos rápido y preciso (mod.222) • funcionamiento 2/4 tiempos • regulaciones MMA: arc force y hot start (mod.222) • dispositivo anti-stick • dispositivo VRD (mod.222) • predisposición para el control a distancia • protecciones. **Equipadas con accesorios para soldadura TIG.**

DE Mikroprozessorgesteuerte Inverterschweißgeräte zum Schweißen mit Gleich- und Wechsel Strom (AC/DC) nach dem WIG (Hochfrequenz HF und LIFT Zündung), PULSE WIG- und MMA Verfahren. Arbeiten mit den verschiedensten Werkstoffen wie **Stahl, Edelstahl, Aluminium, Titan, Kupfer, Nickel, Magnesium und ihren Legierungen.**

Eigenschaften: Betrieb mit Impulsstrom und EASY Impulsstrom (mod.222) • einstellbares Vorheizen für eine unterstützte AC-Zündung • WIG Einstellungen: bi-level, Umschaltperiode (Balance), Vor/Nachgas, Stromanstieg/-abstieg, Quadratwellenfrequenz • Funktion THINSPOT, die zügige, präzise Punktschweißungen ermöglicht (mod.222) • Anti-stick Vorrichtung • VRD Vorrichtung (mod.222) • Fernkontrollanschluss • Schutzvorrichtungen. **Komplett mit Schweißzubehör für WIG Schweißen.**

RU Сварочные аппараты с инвертером для сварки TIG, TIG Импульс (с возбуждением высокая частота HF и LIFT) и MMA, при постоянном и переменном токе (AC/DC), с управлением при помощи микропроцессоров. Гибкость применения с разными типами материалов, такими как: **сталь, нержавеющая сталь, алюминий, титан, медь, никель, магниевый и их сплавы.**

Характеристики: работа с импульсной и EASY импульсной сваркой (mod.222) • регулируемый предварительный нагрев для упрощения возбуждения дуги в AC • регулирование TIG: двухуровневое регулирование, баланс, подача газа перед-после сварки, рампа/частота волны • THINSPOT функция для быстрой и точной точечной сварки (mod.222) • выбор работы 2/4 такта • регулирование MMA: arc force (сила дуги) и горячего пуска (hot start) (mod.222) • устройство Anti-stick (защита от прилипания) • устройство VRD (mod.222) • дистанционное управление система • защиты. Аппараты укомплектованы принадлежностями для сварки TIG.

EN IT FR

TIG HF
MMA
AC/DC

230V

REMOTE
CONTROL

CE

EAC

TUV
SUD



inverter



COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | | | GENERATOR ONLY | | | | | | |
|----------|---------------------|----------|--|--|--|--|---------------------|----------------|---|--|--------------------|--|-----------------|--|
| | 4m ST26 ☐ 742614 | | MMA - MIG/MAG TIG MASK | | ELECTRODE HOLDER | | TIG TORCH | | TIG TORCHES WITH POTENTIOMETER | | REMOTE CONTROLS | | TROLLEY ARCTIC | |
| | ☐ 722119 | | VANTAGE RED XL Automatic - Variable ☐ 802936 | | 25 mm ² 4m DX50 ☐ 713282 | | 8m ST26 ☐ 742616 | | Green line ST26 4m ☐ 742618 8m ☐ 742619 | | 1 pot. ☐ 802219 | | ☐ 803059 | |
| | ☐ 432036 | | OTHER MASKS Pag. 38 | | STAINLESS STEEL TIG CLEANING KIT | | TIG WELDING KIT | | + | | 2 pot. ☐ 802336 | | TROLLEY AMERICA | |
| | ☐ 802067 | | | | CLEANTECH 200 ☐ 850020 | | ☐ 802788 | | REMOTE DEVICE ☐ 802810 | | Pedal ☐ 802017 | | ☐ 803074 | Technology Tig 222 AC/DC-HF/LIFT VRD cod. 816033 |

TECHNICAL DATA

| | CODE | V _{PH} | A _{MIN} A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V _O | A _{60%} MAX | P _{60%} MAX | η | φ | Ø _{DC} MIN/MAX | IP | W ^H mm | kg |
|---|--------|-----------------|--------------------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|----|-------------|----------------------------|------|-------------------------|----------------|
| | | V (50-60Hz) | A | A | A | V | A | kW | A | η/cos φ | mm | | mm | gen(kit) |
| Technology Tig 222 AC/DC-HF/LIFT VRD + accessories | 852054 | 230 1 ph | 5÷200 | 200 24% | 115 | 95 | 21 33 | 3,3 5,5 | 20 | 0,81 0,7 | 1,6 4 | IP23 | 430 L 170 W 340 H | 11,3 (16,4) |

SUPERIOR TIG 251 DC - HF/LIFT VRD



EN Microprocessor controlled, TIG (high frequency HF or LIFT striking), PULSE TIG and MMA inverter welding machines in direct current (DC) (mod. 251, 311) and alternating current (AC/DC) (mod. 252). Use with a wide range of materials such as **steel, stainless steel, titanium, copper, nickel and their alloys (mod. 251, 252, 311), aluminium, magnesium and their alloys (mod. 252).**

Features: pulse and EASY pulse operation • adjustable pre-heating for simpler striking in AC (mod. 252) • TIG regulations: "bi-level", start up/end current, spot welding time, pre/post gas, current up/down slope, balance DC (mod. 251, 311), balance AC DC (mod. 252), square wave frequency • MMA regulations: arc force and hot start • anti-stick device • dispositivo **VRD** • remote control and G.R.A. water cooling connector • thermostatic, overvoltage, undervoltage, overcurrent, water cooling unit. **Complete with TIG welding accessories.**

IT Saldatrici inverter TIG (innesco alta frequenza HF o LIFT), TIG PULSATO ed MMA in corrente continua (DC mod. 251, 311) e alternata (AC/DC mod. 252), controllate a microprocessore. Impiego con diversi tipi di materiali quali **acciaio inox, titanio, rame, nichel e loro leghe (mod. 251, 252, 311), alluminio, magnesio e loro leghe (mod. 252).** Caratteristiche: funzionamento in pulsato e pulsato EASY • preriscaldamento regolabile per innesco facilitato in AC (mod. 252) • regolazioni TIG: "bi-level", corrente iniziale/finale, tempo di puntatura, post gas, pre gas, rampa di salita e discesa della corrente, balance DC (mod. 251, 311), balance AC DC (mod. 252), frequenza onda quadra • regolazioni MMA: arc force e hot start • dispositivo anti-stick • dispositivo **VRD** • predisposizione per comando a distanza e gruppo di raffreddamento G.R.A. • protezioni termostatica, sovratensione, sottotensione, sovracorrente, gruppo di raffreddamento. **Complete degli accessori per la saldatura TIG.**

FR ES DE RU



inverter

PULSE

EASY PULSE

THINSPOT

VRD
VOLTAGE REDUCTION DEVICE

COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | GENERATOR ONLY | |
|----------|---------------------|--|---------------------|---|--|----------------|---|
| | 4m ST26 ☐ 742614 | | | | | | Superior Tig 251 DC-HF/LIFT VRD cod. 816029 |
| | ☐ 722119 | 25 mm ² 4m DX50 ☐ 713282 | 8m ST26 ☐ 742616 | Green line ST26 4m ☐ 742618 8m ☐ 742619 | | | |
| | 3m DX50 | | | | | | |
| | ☐ 432036 | | ☐ 802788 | ☐ 802810 | | ☐ 803074 | |

TECHNICAL DATA

| CODE | V _{PH} | A _{MIN} | A _{MAX} | A _{60%} | V ₀ | A _{60%} | P _{60%} | η | φ | ∅ _C | IP | W _H | kg |
|---|-----------------|------------------|------------------|------------------|----------------|------------------|------------------|------------|----|----------------|------|-------------------------|----------------|
| | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | | mm | mm | | mm | gen(kit) |
| Superior Tig 251 DC - HF/LIFT VRD + accessories | 816116 | 400 3 ph | 10÷250 | 230 20% | 115 | 101 | 6 12 | 3,3 7,5 | 10 | 0,85 0,8 | IP23 | 430 L 175 W 340 H | 11,3 (16,4) |

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

SUPERIOR TIG 252 AC/DC - HF/LIFT VRD (AQUA)

FR Postes de soudage inverter TIG (amorçage haute fréquence HF et LIFT), PULSE TIG et MMA en courant continu (DC mod. 251, 311) et en courant continu et alternatif (AC/DC mod. 252), contrôlés par microprocesseur. Utilisation pour différents types de matériaux tels que **acier, acier inox, titane, cuivre, nickel et leurs alliages (mod. 251, 252, 311), aluminium, magnésium et leurs alliages (mod. 252)**.

Caractéristiques: fonctionnement en pulsé et EASY pulsé • préchauffé réglable pour amorçage facilité en CA (mod. 252) • régulations en TIG: "bi-level", courant initiale/finale, temps de pointage, pre et post gaz, croissance et décroissance du courant, balance DC (mod. 251, 311), balance AC DC (mod. 252), fréquence de l'onde carrée • régulations en MMA: arc force et hot start • dispositif anti-stick • dispositif VRD • prévu pour contrôle à distance et groupe de refroidissement par l'eau • protections thermostatique, surtension, sous-tension, surcourant, groupe de refroidissement par l'eau.

Fournis avec accessoires de soudage TIG.

ES Soldadoras inverter TIG (encendido alta frecuencia HF y LIFT), TIG PULSADO y MMA en corriente continua (DC mod. 251, 311) y corriente continua y alterna (AC/DC mod. 252), controladas por microprocesador. Uso con los materiales más variados como **acero, acero inoxidable, titanio, cobre, níquel y sus aleaciones (mod. 251, 252, 311), aluminio, magnesio y sus aleaciones (mod. 252)**. Características: funcionamiento en pulsado e pulsado EASY • precalentamiento ajustable para cebado facilitado en CA (mod. 252)

• regulaciones TIG: "bi-level", corriente inicial/final, tiempo de soldadura por puntos, pre/post gas, rampa de subida y descenso corriente, balance DC (mod. 251, 311), balance AC DC (mod. 252), frecuencia de la onda cuadrada • regulaciones MMA: arc force and hot start • dispositivo anti-stick • dispositivo VRD • predisposición para el control a distancia y grupo de refrigeración par agua • protecciones termostática, sobre-tensión, baja tensión, sobre-corriente, grupo de refrigeración par agua.

Equipadas con accesorios para soldadura TIG.

EN IT

DE RU

TIG HF
MMA
AC/DC

400V

REMOTE
CONTROL

CE

EAC

TUV
SUD



inverter

PULSE

EASY

PULSE

THINSPOT























VRD
VOLTAGE REDUCTION DEVICE

SUPERIOR TIG 252
AC/DC - HF/LIFT VRD AQUA



COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | | GENERATOR ONLY | | | | | | |
|---|---------------------------|---|---|---|---|--|--|-----------------------------|--|------------------------|---|------------------------|---|
|  | 4m ST26 ☐ 742614 | ELECTRODE HOLDER |  | TIG TORCH |  | TIG TORCH WITH POTENTIOMETER |  | TIG WELDING KIT |  | REMOTE CONTROLS |  | TROLLEY ARCTIC |  |
|  | 4m AQUA ST18A ☐ 742615 |  | 4m AQUA ST18A ☐ 742615 | 8m ST26 ☐ 742616 | Green line ST26 4m ☐ 742618 8m ☐ 742619 | Green line ST18A 4m AQUA ☐ 742617 8m AQUA ☐ 742620 |  | TIG WELDING KIT AQUA |  | 2 pot ☐ 802336 |  | TROLLEY AMERICA |  |
|  | 3m DX50 ☐ 432036 |  |  | WATER COOLING SYSTEM G.R.A. 4500 |  | REMOTE DEVICE |  | Pedal | ☐ 802017 | |  | ☐ 803074 | Superior Tig 252 AC/DC - HF/LIFT VRD AQUA cod. 816030 |
|  | ☐ 802790 |  |  | CLEANTECH 200 | ☐ 850020 | | | | | | | | |

| | CODE | V | A _{MIN} A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | η | φ | IP | W ^H L | Kg |
|---|--------|-------------|--------------------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|------------|---------|------|-------------------------|------|
| | | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | A | η/cos φ | mm | mm | kg |
| Superior Tig 252 AC/DC - HF/LIFT VRD + accessories | 816117 | 400 | 5÷250 | 230 | 115 | 102 | 6 | 3,3 | 0,85 | | IP23 | 470 L 190 W 355 H | 19,6 |
| Superior Tig 252 AC/DC - HF/LIFT VRD AQUA + accessories (***) | 816119 | 400 3 ph | 5÷250 | 230 20% | 115 | 102 | 6 12,2 | 3,3 7,5 | 0,8 0,8 | | IP23 | 510 L 190 W 535 H | 25 |

(***) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

SUPERIOR TIG 311 DC - HF/LIFT VRD



DE Mikroprozessorgesteuerte Inverterschweißgeräte zum Schweißen mit Gleichstrom (DC mod. 251, 311) und Gleich- und Wechselstrom (AC/DC mod. 252), nach dem WIG, PULSE WIG (Hochfrequenz HF und LIFT Zündung) - und MMA Verfahren. Arbeiten mit den verschiedensten Werkstoffen wie **Stahl, Edelstahl, Titan, Kupfer, Nickel und ihren Legierungen (mod. 251, 252, 311), Aluminium, Magnesium und ihren Legierungen (mod. 252)**. Eigenschaften: Betrieb mit Impulsstrom und EASY Impulsstrom • einstellbares Vorheizen für eine unterstützte AC-Zündung (mod. 252) • WIG Einstellungen: "bi-level", Anfang/Endlauf Strom, Punktschweißdauer, Vor/Nachgas, Kennlinie Stromanstieg/-abstieg, Umschaltperiode (Balance DC - mod. 251, 311; Balance AC DC - mod. 252), Quadratwellenfrequenz • MMA Einstellungen: Arc Force und Hot Start • Anti-stick Vorrichtung • VRD Vorrichtung • Fernkontroll- und Wasserkühlungseinheitsanschluss • Schutzvorrichtungen Thermostat, Überspannung, Unterspannung, Überstrom, Wasserkühlungseinheit. **Komplett mit Schweißzubehör für WIG Schweißen.**

RU Сварочные аппараты с инвертером для сварки TIG, PULSE TIG (поджигание искрой HF и прикосанием LIFT) и MMA, при постоянном токе (DC мод. 251, 311) и переменном токе (AC/DC мод. 252), с микропроцессорным контролем. Гибкость применения с разными типами материалов такими как: **сталь, нержавеющая сталь, титан, медь, никель, и их сплавы (мод. 251, 252, 311), алюминий, магни и их сплавы (мод. 252)**. Характеристики: работа с импульсной и EASY импульсной сваркой • регулируемый предварительный нагрев для упрощения возбуждения дуги в AC (мод. 252) • регулирование TIG: «двухуровневое» регулирование, начальный/конечный ток, время контактной сварки, подача газа перед-после сварки, плавный подъем и спад тока, баланс DC (мод. 251, 311), баланс AC DC (мод. 252), частота волны • регулирование MMA: arc force (сила дуги) и горячего пуска (hot start) • устройство Anti-stick (защита от прилипания) • устройство VRD • дистанционное управление и водоохлаждающая система • термостатическая защита, защита от слишком сильного тока, сверхнапряжения, слишком низкого напряжения, водоохлаждающая защита. Укомплектованы принадлежностями для сварки TIG.

EN IT FR ES

TIG
HF-LIFT
MMA DC

230/400V

REMOTE CONTROL

CE

EAC

TUV



inverter

PULSE

EASY PULSE

THINSPOT

VRD
VOLTAGE REDUCTION DEVICE

2 YEARS WARRANTY
3 YEARS ON TRANSFORMER

COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | GENERATOR ONLY | | |
|-------------------|-------------------|---|---|--|---|---|---|---|
| 4m ST26 742614 | 3m DX50 802067 | MMA - MIG/MAG TIG MASK VANTAGE RED XL Automatic - Variable 802936 | TIG WELDING KIT 802788 | TIG TORCH 4m AQUA ST18A 742615 8m ST26 742616 | TIG TORCH WITH POTENTIOMETER Green line ST26 4m 742618 8m 742619 Green line ST18A 4m AQUA 742617 8m AQUA 742620 + REMOTE DEVICE 802810 | REMOTE CONTROLS 1 pot 802219 2 pot 802336 Pedal 802017 | TROLLEY ARCTIC 803059 TROLLEY AMERICA 803074 | Superior TIG 311 DC-HF/LIFT VRD cod. 816037 |
| 722119 | IT 432036 | | ELECTRODE HOLDER 25 mm² 4m DX50 713282 | WATER COOLING SYSTEM G.R.A. 4500 802790 | | | | |

| TECHNICAL DATA | CODE | V _{PH} | A _{MIN} / A _{MAX} | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | P _{GEN} | I | η _φ | ∅ _{DC} MIN/MAX | IP | W ^H / L | kg |
|---|--------|-----------------|-------------------------------------|-----------------------|----------------|----------------------|----------------------|------------------|----|----------------|-------------------------|------|--------------------|-----------|
| | | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | kW | A | η/cos φ | mm | mm | gen (kit) |
| Superior TIG 311 DC - HF/LIFT VRD + accessories | 816123 | 230/400 3 ph | 10÷300 (400V) | 300@ 30% | 205 | 64 | 10,2 14,4 | 6,3 9,2 | 10 | 0,91 0,9 | 1,6 5 | IP23 | 470 L 190 W 355 H | 13,2 (18) |

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

SUPERIOR TIG 322 AC/DC - HF/LIFT



Microprocessor controlled, TIG (high frequency HF or LIFT striking), PULSE TIG and MMA inverter welding machines in direct current (DC) (mod. 421) and alternating current (AC/DC) (mod. 322, 422). Use with a wide range of materials such as **steel, stainless steel, titanium, copper, nickel and their alloys (mod. 322, 421, 422), aluminium, magnesium and their alloys (mod. 322, 422)**. Features: pulse and EASY pulse operation • 9 customized welding programmes • TIG regulations: "bi-level", start up/end current, spot welding time, pre/post gas, current up/down slope, balance, square wave frequency • adjustable pre-heating for simpler striking in AC • MMA regulations: arc force and hot start according to the type of electrode in use • anti-stick device • remote control and G.R.A. water cooling connector • storage on on-board E²PROM of the last 10 alarms • thermostatic, overvoltage, undervoltage, inside dirtiness, overcurrent, phase failure, water cooling unit protections. **All models are complete with TIG welding accessories. The water cooled models (AQUA) are complete with trolley, water cooling unit and TIG welding accessories.**

IT FR ES DE RU

TIG HF
MMA
AC/DC

3
400V

REMOTE
CONTROL

CE

EAC



GENERATOR ONLY

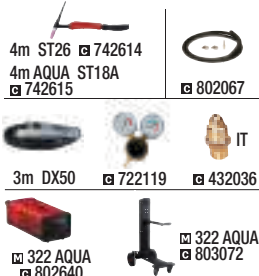


Superior TIG 322
AC/DC - HF/LIFT
cod. 816067

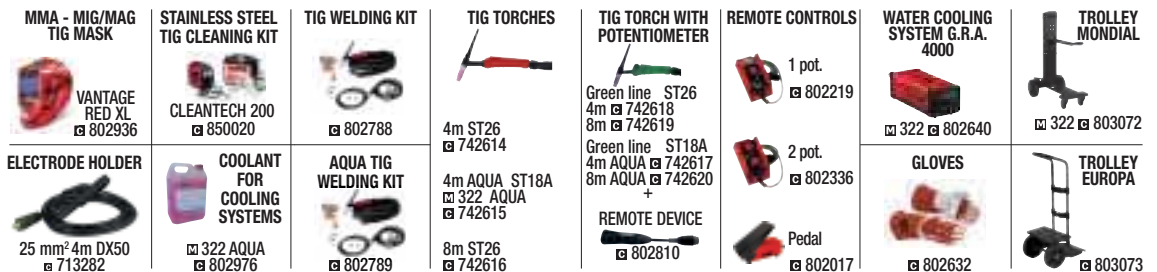
COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

STANDARD



OPTIONAL



TECHNICAL DATA



| | CODE | V _{PH} | A _{MIN} A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | η | φ | Ø _{DC} MIN/MAX | IP | W ^H L | kg |
|---|--------|-----------------|--------------------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|----|--------------|----------------------------|------|--------------------------|----|
| | | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | A | 1/cos φ | mm | | mm | kg |
| Superior TIG 322 AC/DC - HF/LIFT with accessories | 816130 | 400* 3 ph | 5÷270 | 270 40% | 215 | 64 | 11 15 | 7 10 | 16 | 0,85 0,92 | 1,6 5 | IP23 | 530 L 240 W 450 H | 34 |
| Superior TIG 322 AC/DC - HF/LIFT AQUA with accessories and trolley (***) | 816131 | | | | | | | | | | | | 935 L 500 W 1195 H | 68 |

(*) 3ph 208V-230V ATT150 (pag.223)

(***) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

SUPERIOR TIG 322 AC/DC - HF/LIFT AQUA



IT Saldatrici inverter TIG (innesco alta frequenza HF o LIFT), TIG PULSATO ed MMA in corrente continua (DC) (mod. 421) e alternata (AC/DC) (mod. 322, 422), controllate a microprocessore. Impiego con diversi tipi di materiali quali acciaio, acciaio inox, titanio, rame, nichel e loro leghe (mod. 322, 421, 422), alluminio, magnesio e loro leghe (mod. 322, 422). Caratteristiche: funzionamento in pulsato e pulsato EASY • 9 programmi di saldatura personalizzabili • regolazioni TIG: "bi-level", corrente iniziale/finale, tempo di puntatura, post gas, pre gas, rampa di salita e discesa della corrente, balance, frequenza onda quadra • pre-riscaldamento regolabile per innesco facilitato in AC • regolazioni MMA: arc force e hot start in funzione del tipo di elettrodo in uso • dispositivo anti-stick • predisposizione per comando a distanza e gruppo di raffreddamento G.R.A. • memorizzazione su EPROM interna ultimi 10 allarmi • protezioni termostatica, sovratensione, sottotensione, sporcizia interna, sovracorrente, mancanza fase, gruppo di raffreddamento. Tutti i modelli sono completi degli accessori di saldatura TIG. I modelli raffreddati ad acqua (AQUA) sono forniti di carrello, gruppo di raffreddamento ad acqua ed accessori di saldatura TIG.

← EN

FR ES DE RU →

inverter

PULSE

EASY PULSE

THINSPOT

VRD
VOLTAGE REDUCTION DEVICE

2 YEARS WARRANTY
3 YEARS ON TRANSFORMER

AQUA



AQUA STANDARD VERSION

GENERATOR + G.R.A 4000 + ACC.



COD: 816067 + 802640 + 802789

GENERATOR & ACC. + TROLLEY Europa



COD: 816130 + 803073

GENERATOR + G.R.A. + TROLLEY Europa + ACC.



COD: 816067 + 802789 + 802640 + 803073

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

SUPERIOR TIG 421 DC - HF/LIFT



FR Postes de soudage inverter TIG (amorçage haute fréquence HF et LIFT), PULSE TIG et MMA en courant continu (DC) (mod. 421) et en courant continu et alternatif (AC/DC) (mod. 322, 422), contrôles par microprocesseur. Utilisation pour différents types de matériaux tels que **acier, acier inox, titane, cuivre, nickel et leurs alliages (mod. 322, 421, 422), aluminium, magnésium et leurs alliages (mod. 322, 422)**. Caractéristiques: fonctionnement en pulsé et EASY pulsé • 9 programmes personnalisés de soudage • régulations en TIG: "bi-level", courant initiale/finale, temps de pointage, pré et post gaz, croissance et décroissance du courant, balance, fréquence de l'onde carrée • préchauffé réglable pour amorçage facilité en CA • régulations en MMA: arc force et hot start en fonction de l'électrode utilisée • dispositif anti-stick • prévu pour contrôle à distance et groupe de refroidissement par l'eau • mémorisation des 10 dernières alarmes sur E²PROM interne • protections thermostatique, surtension, sous-tension, saleté à l'intérieur, surcourant, absence de phase, groupe de refroidissement par l'eau. **Tous les modèles sont fournis avec accessoires de soudage TIG. Les modèles refroidis à eau (AQUA) sont fournis avec chariot, unité de refroidissement par eau et accessoires de soudage TIG.**

EN IT

ES DE RU

TIG
HF-LIFT
MMA DC

400V

REMOTE
CONTROL

CE

EAC



COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | OPTIONAL | | | | | | | |
|---|--|--|---|---|---|--|-----------------------------------|----------------------------|
| 4m ST26 ☐ 742427 4m AQUA ST18A ☐ 742570 3m DX50 ☐ 722119 ☐ 421 AQUA ☐ 802640 | MMA - MIG/MAG TIG MASK VANTAGE RED XL ☐ 802936 ELECTRODE HOLDER 25 mm ² 4m DX50 ☐ 713282 | STAINLESS STEEL TIG CLEANING KIT CLEANTECH 200 ☐ 850020 COOLANT FOR COOLING SYSTEMS ☐ 421 AQUA ☐ 802976 | TIG WELDING KIT (3P) ☐ 802607 AQUA TIG WELDING KIT (3P) ☐ 802637 | TIG TORCHES (3P) 4m ST26 Blue line ☐ 742427 4m AQUA ST18A ☐ 742463 Blue line ☐ 742570 8m ST26 ☐ 742462 Blue line ☐ 742431 8m AQUA ST18A ☐ 742464 Blue line ☐ 742497 | REMOTE CONTROLS 1 pot. ☐ 802219 2 pot. ☐ 802336 Pedal ☐ 802017 | WATER COOLING SYSTEM G.R.A. 4000 ☐ 421 ☐ 802640 GLOVES ☐ 802632 | TROLLEY MONDIAL ☐ 421 ☐ 803072 | TROLLEY EUROPA ☐ 803073 |

TECHNICAL DATA

| | CODE | V _{PH} | A _{MIN} | A _{MAX} | A _{60%} | V ₀ | A _{60%} | P _{60%} | φ | η/cos φ | ∅ _{DC} | IP | W ^H | kg |
|---|--------|-----------------|------------------|------------------|------------------|----------------|------------------|------------------|----|---------|-----------------|------|--------------------------|----|
| | | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | A | | mm | | mm | kg |
| Superior TIG 421 DC - HF/LIFT with accessories | 816103 | 400* | 5÷350 | 350 | 250 | 64 | 13 | 8 | 16 | 0,85 | 1,6 | IP23 | 530 L 240 W 450 H | 32 |
| Superior TIG 421 DC - HF/LIFT AQUA with accessories and trolley (***) | 816104 | 400* 3 ph | 5÷350 | 350 | 250 | 64 | 21 | 14 | 16 | 0,9 | 6 | IP23 | 935 L 500 W 1195 H | 67 |

(*) 3ph 208V-230V ATT150 (pag.223)

(***) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

SUPERIOR TIG 421 DC - HF/LIFT AQUA



ES Soldadoras inverter TIG (encendido alta frecuencia HF y LIFT), TIG PULSADO y MMA en corriente continua (DC) (mod. 421) y corriente continua y alterna (AC/DC) (mod. 322, 422), controladas por microprocesador. Uso con los materiales más variados como **acero, acero inoxidable, titanio, cobre, níquel y sus aleaciones (mod. 322, 421, 422), aluminio, magnesio y sus aleaciones (mod. 322, 422)**. Características: funcionamiento en pulsado e pulsado EASY • 9 programas de soldadura personalizados • regulaciones TIG: "bi-level", corriente inicial/final, tiempo de soldadura por puntos, pre/post gas, rampa de subida y descenso corriente, balance, frecuencia de la onda cuadrada • precalentamiento ajustable para cebado facilitado en CA • regulaciones MMA: arc force y hot start en función del tipo de electrodo en uso • dispositivo anti-stick • predisposición para el control a distancia y grupo de refrigeración por agua • memorización en E²PROM interior de las últimas 10 alarmas • protecciones termostática, sobre-tensión, baja tensión, suciedad en su interior, sobre-corriente, falta de fase, grupo de refrigeración por agua. **Todos los modelos son equipados con accesorios de soldadura TIG. Los modelos enfriados por agua (AQUA) son equipados con carrito, unidad de enfriamiento por agua y accesorios de soldadura TIG.**

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BLUE LINE TIG TORCHES (OPTIONAL)



Leather cable for high flexibility

MAXIMUM FLEXIBILITY



**GENERATOR WITH OPTIONAL:
EUROPA TROLLEY, G.R.A. 4000 AND ACC.
COD: 816017 + 803073 + 802640 + 802637**



GENERATOR + G.R.A 4000 + ACC.



COD: 816017 + 802640 + 802637

GENERATOR & ACC. + TROLLEY Europa



COD: 816103 + 803073

GENERATOR + G.R.A. + TROLLEY Mondial + ACC.



COD: 816104
AQUA STANDARD VERSION

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

SUPERIOR TIG 422 AC/DC - HF/LIFT



DE Mikroprozessorgesteuerte Inverterschweißgeräte zum Schweißen mit Gleichstrom (DC) (mod. 421) und Gleich- und Wechselstrom (AC/DC) (mod. 322, 422), nach dem WIG, PULSE WIG (Hochfrequenz HF und LIFT Zündung) - und MMA Verfahren. Arbeiten mit den verschiedensten Werkstoffen wie **Stahl, Edelstahl, Titan, Kupfer, Nickel und ihren Legierungen (mod. 322, 421, 422), Aluminium, Magnesium und ihren Legierungen (mod. 322, 422)**. Eigenschaften: Betrieb mit Impulsstrom und EASY Impulsstrom • 9 personalisierte Programme zu speichern • WIG Einstellungen: "bi-level", Anfang/Endlauf Strom, Punktschweisdauer, Vor/Nachgas • Kennlinie Stromanstieg/-abstieg, Umschaltperiode (Balance), Quadratwellenfrequenz • einstellbares Vorheizen für eine unterstützte AC-Zündung • MMA Einstellungen: Arc Force und Hot Start an den jeweiligen Electrodentyp • Anti-stick Vorrichtung • Fernkontroll- und Wasserkühlungseinheitsanschluss • Speicherung der letzten 10 Alarme auf interner E²PROM • Schutzvorrichtungen Thermostat, Überspannung, Unterspannung, Schmutz im Inneren, Überstrom, Phasenausfall, Wasserkühlungseinheit. **Alle Modelle sind komplett mit Schweißzubehör für WIG Schweißen. Alle wassergekühlte Modelle (AQUA) sind komplett mit Wagen, Wasserkühlungseinheit und Schweißzubehör für WIG Schweißen.**

EN IT FR ES

RU

TIG HF
MMA
AC/DC

400V

REMOTE
CONTROL

CE

EAC



COMPLETE WITH ACCESSORIES

CONSUMABLES: TIG Pag. 230

| STANDARD | | OPTIONAL | | | | | | | | | |
|-------------------------|--------------------|--------------------------------------|-------------------------------------|-------------------------|-------------------------------------|--|------------------|--|--------------------|--|--|
| 4m ST26 742614 | 802067 | MMA - MIG/MAG TIG MASK | STAINLESS STEEL TIG CLEANING KIT | TIG WELDING KIT | TIG TORCHES | TIG TORCH WITH POTENTIOMETER | REMOTE CONTROLS | WATER COOLING SYSTEM G.R.A. 4000 | TROLLEY MONDIAL | | |
| 4m AQUA ST18A 742615 | 802067 | VANTAGE RED XL 802936 | CLEANTECH 200 850020 | 802788 | 742614 | Green line ST26 4m 742618 8m 742619 | 1 pot. 802219 | 422 802640 | 422 803072 | | |
| 3m DX50 722119 | 432036 | ELECTRODE HOLDER | COOLANT FOR COOLING SYSTEMS | AQUA TIG WELDING KIT | 4m AQUA ST18A 322 AQUA 742615 | Green line ST18A 4m AQUA 742617 8m AQUA 742620 | 2 pot. 802336 | GLOVES 802632 | TROLLEY EUROPA | | |
| 422 AQUA 802640 | 422 AQUA 803072 | 25 mm ² 4m DX50 713282 | 422 AQUA 802976 | 802789 | 8m ST26 742616 | REMOTE DEVICE 802810 | Pedal 802017 | | 803073 | | |

TECHNICAL DATA

| | CODE | V _{PH} | A _{MIN} MAX | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | η | φ | ∅ _{DC} MIN/MAX | IP | W ^H | kg |
|---|--------|-----------------|-------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|----|-------------|----------------------------|------|--------------------------|----|
| | | V (50-60Hz) | A | EN 60974-1 A | EN 60974-1 A | V | A | kW | A | η/cos φ | mm | | mm | kg |
| Superior Tig 422 AC/DC - HF/LIFT with accessories | 816134 | 400* | 5÷350 | 350 35% | 250 | 64 | 13 21 | 8 14 | 16 | 0,85 0,9 | 1,6 6 | IP23 | 530 L 240 W 450 H | 36 |
| Superior Tig 422 AC/DC - HF/LIFT AQUA with accessories and trolley (***) | 816135 | | | | | | | | | | | | 935 L 500 W 1195 H | 71 |

(*) 3ph 208V-230V ATT150 (pag.223)

(***) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

SUPERIOR TIG 422 AC/DC - HF/LIFT AQUA



RU Сварочные аппараты с инвертером для сварки TIG, PULSE TIG (поджигание искрой HF и прикосанием LIFT) и MMA, при постоянном токе (DC) (мод. 421) и переменном токе (AC/DC) (мод. 322, 422), с микропроцессорным контролем. Гибкость применения с разными типами материалов такими как: сталь, нержавеющая сталь, титан, медь, никель, и их сплавы (мод. 322, 421, 422), алюминий, магний и их сплавы (мод. 322, 422). Характеристики: работа с импульсной и EASY импульсной сваркой • 9 индивидуальных программ • регулирование TIG: «двухуровневое» регулирование, начальный/конечный ток, время контактной сварки, подача газа перед-после сварки, плавный подъем и спад тока, баланс, частота вольны • регулируемый предварительный нагрев для упрощения возбуждения дуги в режиме переменного тока (AC) • регулирование MMA: arc force (сила дуги) и горячего пуска (hot start), в зависимости от типа используемого электрода • устройство Anti-stick (защита от прилипания) • дистанционное управление и водоохлаждающая система • запоминание на внутренней EPROM последних 10 тревог • термостатическая защита, защита от слишком сильного тока, сверхнапряжения, слишком низкого напряжения, от загрязнения, от отсутствия фазы, водоохлаждающая защита. Все модели укомплектованы принадлежностями для сварки TIG. Модели с водоохлаждаемыми системами укомплектованы тележкой, узлом водного охлаждения и принадлежностями для сварки TIG.

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PULSE

EASY PULSE

THINSPOT

VRD
VOLTAGE REDUCTION DEVICE



AQUA STANDARD VERSION

GENERATOR + G.R.A 4000 + ACC.



COD: 816069 + 802640 + 802789

GENERATOR & ACC. + TROLLEY EUROPA



COD: 816134 + 803073

GENERATOR + G.R.A. + TROLLEY EUROPA + ACC.



COD: 816069 + 802640 + 803073 + 802789

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

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