



Single Phase MMA



Single Phase TIG HF



Three Phase MMA



Plasma Cutting

SOLNOR[®]

INVERTER



Continue to innovate

TECNO MEC
made in Spain

www.ballero.com

Weldcut PuntoPlasma S.L. es la división del Grupo Ballero dedicada a la soldadura y al corte por plasma. **TECNOMECE** es la marca registrada que utiliza Weldcut Punto Plasma S.L. para sus equipos y productos.

La vocación de **TECNOMECE** es la fabricación íntegra en España de todos sus equipos, teniendo actualmente el diseño y la planta de producción situadas en Barcelona.

Nuestros clientes tienen a su disposición una línea de equipos inverter con más de 50 modelos incluyendo MMA, TIG HF, Plasma con alimentación monofásica (110Vac/230Vac) o trifásica (400Vac).

TECNOMECE está en constante evolución adaptándose a las exigencias de nuestros clientes así como a las normativas Europeas e Internacionales.

En este catálogo 2009/10 les presentamos la nueva línea de TIG HF DC Pulsados Digitales así como los equipos trifásicos TIG HF DC Pulsados tanto con control analógico como digital. También presentamos el nuevo chasis en plástico técnico (Cupel) con el diseño más vanguardista y funcional del mercado.

***Weldcut PuntoPlasma S.L.** is the welding and plasma cutting division of Ballero Group. **TECNOMECE** is the copyright brand that Weldcut Punto Plasma S.L. use in his equipment and products.*

*The vocation of **TECNOMECE** is to produce its equipment completely in Spain, nowadays, the design and the production factory are located in Barcelona.*

Our costumers disposal an inverter equipment line with more than 50 models including MMA, TIG HF, Plasma cutting, with single phase (110Vac - 230Vac) or three phase (400Vac).

***TECNOMECE** is developing constantly, adapting to our costumers requirements and according with the European and International norm.*

In this 2009/10 catalogue we present the new TIG HF DC Pulsed Digital line, the three phase TIG HF DC Pulsed with analog or digital control and the new technical plastic cover (Cupel), with the last vanguard and functionally design of the market.

Weldcut PuntoPlasma S.L. является подразделением, Ballero Group, которое занимается сварочным оборудованием и плазменной резкой. Weldcut PuntoPlasma S.L. выпускает свою продукцию под брендом Тесномес.

Тесномес создан для того, чтобы осуществлять производство оборудования в Испании. Дизайн разрабатывается в Барселоне, там же находится и производственная фабрика. Мы можем предложить нашим покупателям инвертерную линейку с более чем 50-ю моделями, включая MMA, TIG HF; оборудование для плазменной резки; однофазные (110 Вольт - 230 Вольт) и трехфазные (400 Вольт).

Тесномес постоянно развивается в соответствии с требованиями наших покупателей и в соответствии с европейскими и международными нормами.

В нашем новом каталоге 2009/2010 г. мы представляем новую цифровую TIG HF DC Pulsed линейку и трехфазную TIG HF DC Pulsed линейку с аналоговым и цифровым контролем и с новым пластиковым корпусом (Cupel). Эти линейки отличаются современным и функциональным дизайном.



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ICONS

EUROPEAN NORMS



TECHNICAL ICONS



Slope Up



Slope Down



Hot Start



Arc Force



Pulsed



Balance



Bilevel



Pre-gas



Post-gas



MMA Welding



Electrode Size



Celulosic Electrode



Scratch Start TIG



Lift Start TIG



HF Start TIG



AC/DC



Power Conector Size



Digital Control



Plasma Cutting



Central Conector Torch



Thickness



Kompressor inside



Control Numeric Connection



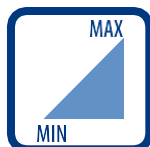
IGBT Transistor



Temperature Control



Thermo Controlled Air Cooling



Range Regulation



Single Phase



Three Phase



Generator Connectable



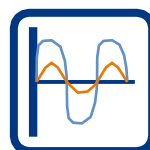
Tungsten Protection



Fly Back



Voltage Reduction Device



Active PFC

G-BOX, G-GAS

Ref. TINVGBOX/W Ref. TINVGAS

Maximum power supply	500VAC
Frequency	50/60 HZ
Input supply	32A
Duty cycle	100%
Level protection	IP 21 S
Dimensions	100x210x130
Weight	1,34 KG
Maximum pressure (G-Gas)	10 bar
Minimum pressure (G-Gas)	2 bar



VALE 100

Ref. TINVALE/1

Power supply	230 Vac±15%
Frequency	50/60 Hz
Input supply (50% - 100%)	15A-12A
Maximum input power	3,4 KVA
No load voltage	85V
Load voltage	24V
Welding intensity 50%/100%	100 A / 80 A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	115x200x155
Weight	3 Kg



VALE 120

Ref. TINVALE/2

Power supply	230 Vac±15%
Frequency	50/60 Hz
Input supply (35% - 100%)	17A-12A
Maximum input power	3,9 KVA
No load voltage	85V
Load voltage	24,8V
Welding intensity 35%/100%	120 A / 80 A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	115x200x155
Weight	3 Kg



SANDER 130

Ref. TINVSANDER1/G Ref. TINVSANDER1/G/L

Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	17A-12A
Maximum input power	4KVA
No load voltage	85V
Load voltage	25,2V
Welding intensity 60%/100%	130A/110A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	140x350x240
Weight	5,8 Kg



SANDER 130 DIGI

Ref. TINVSANDER1/DIGI

Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	17A-12A
Maximum input power	4KVA
No load voltage	75V
Load voltage	25,2V
Welding intensity 60%/100%	130A/110A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	140x350x240
Weight	5,8 Kg



SANDER 140

Ref. TINVSANDER2/G Ref. TINVSANDER2/G/L

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	18A-12A
Maximum input power	4,1 KVA
No load voltage	85V
Load voltage	25,6V
Welding intensity 60%/100%	140A/110A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	140x350x240
Weight	5,8 Kg



SANDER 140 DIGI

Ref. TINVSANDER2/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	18A-12A
Maximum input power	4,1 KVA
No load voltage	75V
Load voltage	25,6 V
Welding intensity 60%/100%	140A/110A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	140x350x240
Weight	5,8 Kg



MARK 150

Ref. TINVMARK1/G Ref. TINVMARK1/G/L

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	23A-15A
Maximum input power	5,3 KVA
No load voltage	85V
Load voltage	26V
Welding intensity 60%/100%	150A/115A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	145x370x240
Weight	6,3 Kg



MARK 150 DIGI

Ref. TINVMARK1/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	23A-15A
Maximum input power	5,3 KVA
No load voltage	75V
Load voltage	26V
Welding intensity 60%/100%	150A/115A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	145x370x240
Weight	6,3 Kg



MARK 170

Ref. TINVMARK2/G Ref. TINVMARK2/G/L

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	25A-16A
Maximum input power	5,7 KVA
No load voltage	85V
Load voltage	26,8V
Welding intensity 60%/100%	170A/130A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	145x370x240
Weight	6,3 Kg



MARK 170 DIGI

Ref. TINVMARK2/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	25A-16A
Maximum input power	5,7 KVA
No load voltage	75V
Load voltage	26,8V
Welding intensity 60%/100%	170A/130A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	145x370x240
Weight	6,3 Kg



NEW GABI 180

Ref. TINVNGABI/1/G Ref. TINVNGABI/1/G/L

Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60%-100%)	26A-22A
Maximum input power	5,9 KVA
No load voltage	85V
Load voltage	27,2V
Welding intensity 60%/100%	180A/150A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	155x400x240
Weight	8Kg



DUTY
60%
CYCLE



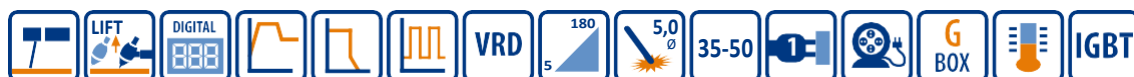
NEW GABI 180 DIGI

Ref. TINVNGABI1/DIGI

Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	26A-22A
Maximum input power	5,9 KVA
No load voltage	75V
Load voltage	27,2V
Welding intensity 60%/100%	180A/150A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	155x400x240
Weight	8 Kg



DUTY
60%
CYCLE



NEW GABI 200

Ref. TINVNGABI/2/G Ref. TINVNGABI/2/G/L

Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60%-100%)	29A-22A
Maximum input power	6,6 KVA
No load voltage	85V
Load voltage	28V
Welding intensity 60%/100%	200A/150A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	155x400x240
Weight	8Kg


DUTY
60%
CYCLE


NEW GABI 200 DIGI

Ref. TINVNGABI2/DIGI

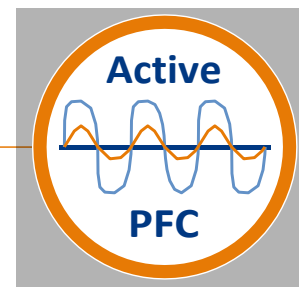
Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	29A-22A
Maximum input power	6,6 KVA
No load voltage	75V
Load voltage	28V
Welding intensity 60%/100%	200A/150A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	155x400x240
Weight	8 Kg


DUTY
60%
CYCLE


MARK 150 PFC

Ref. TINVMARKPFC/G Ref. TINVMARKPFC/G/L

Power supply range	150-265 Vac
Frequency	50/60 Hz
Input supply (40% -100%)	20A - 15A (230 Vac)
Maximum input power	4,6 KVA
No load voltage	85V
Load voltage	26V
Welding intensity 40%/100%	150A/100A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	145x370x240
Weight	6,3 Kg



MARK150DIGIPFC

Ref. TINVMARKPFC/DIGI

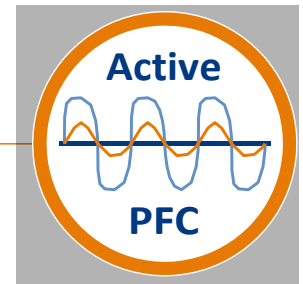
Power supply range	150-265 Vac
Frequency	50/60 Hz
Input supply (40% -100%)	20A - 15A (230 Vac)
Maximum input power	4,6 KVA
No load voltage	75V
Load voltage	26V
Welding intensity 40%/100%	150A/100A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	145x370x240
Weight	6,3 Kg



NEW GABI 180 PFC

Ref. TINVNGABIPFC/G Ref. TINVNGABIPFC/G/L

Power supply range	150-265 Vac
Frequency	50/60 Hz
Input supply (40%-100%)	27A-18A (230Vac)
Maximum input power	6,2 KVA
No load voltage	85V
Load voltage	27,2V
Welding intensity 40%/100%	180 A/130 A
Level protection	IP 21S
Insulation class	H
Dimensions (mm.)	155x400x240
Weight	9Kg


DUTY
40%
CYCLE


NEW GABI 180 DIGI PFC

Ref. TINVNGABIPFC/DIGI

Power supply range	150-265 Vac
Frequency	50/60 Hz
Input supply (40% -100%)	27A- 18A (230 Vac)
Maximum input power	6,2 KVA
No load voltage	75V
Load voltage	27,2V
Welding intensity 40%/100%	180 A/130 A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	155x400x240
Weight	9 Kg


DUTY
40%
CYCLE


ANDY210ThreePhase

Ref. TINVANDY0/G

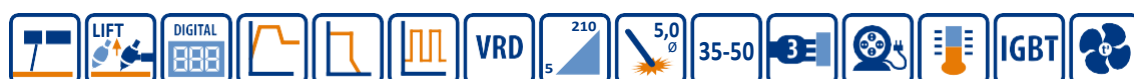
Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60%-100%)	14A - 10A
Maximum input power	9,2 KVA
No load voltage	85V
Load voltage	28,4V
Welding intensity 60%/100%	210A/150A
Level protection	IP21S
Insulation class	H
Dimensions (mm.)	155x400x240
Weight	8,5 Kg



ANDY210DIGIThreePhase

Ref. TINVANDY0/DIGI

Power supply	3 x 400 Vac ±15%
Frequency	50/60 Hz
Input supply (60% - 100%)	14A - 10A
Maximum input power	9,2 KVA
No load voltage	75V
Load voltage	28,4V
Welding intensity 60%/100%	210A / 150 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	155x400x240
Weight	8,5 Kg



ANDY 250 ThreePhase

Ref. TINVANDY1/G

Power supply	3 x 400 Vac $\pm 15\%$
Frequency	50/60 Hz
Input supply (60% -100%)	16A - 13A
Maximum input power	11,5 KVA
No load voltage	85V
Load voltage	30,0V
Welding intensity 60%/100%	250A / 200 A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	177 x 485 x 305
Weight	15 Kg



ANDY 250 DIGI ThreePhase

Ref. TINVANDY1/DIGI

Power supply	3 x 400 Vac $\pm 15\%$
Frequency	50/60 Hz
Input supply (60% -100%)	16A - 13A
Maximum input power	11,5 KVA
No load voltage	75V
Load voltage	30,0V
Welding intensity 60%/100%	250A / 200 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	177 x 485 x 305
Weight	15 Kg



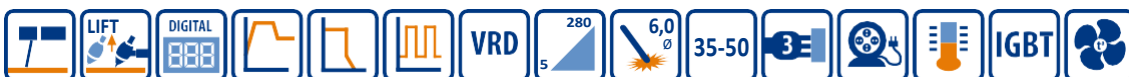
Ref. TINVANDY2/G

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (40% -100%)	19A-13A
Maximum input power	13,2 KVA
No load voltage	85V
Load voltage	31,2V
Welding intensity 40%/100%	280A/200A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	177 x 485 x 305
Weight	15 Kg



Ref. TINVANDY2/DIGI

Power supply	3 x 400 Vac ±15%
Frequency	50/60 Hz
Input supply (40% -100%)	19 A-13 A
Maximum input power	13,2 KVA
No load voltage	75 V
Load voltage	31,2 V
Welding intensity 40%/100%	280 A/200 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	1...250 Hz
VRD	<30 Vdc (<12 Vdc)
Dimensions (mm.)	177 x 485 x 305
Weight	15 Kg



ANDY350ThreePhase

Ref. TINVANDY3/G

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	26A-16A
Maximum input power	18KVA
No load voltage	85V
Load voltage	34V
Welding intensity 60%/100%	350A/250A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	177x550x305
Weight	18 Kg



ANDY350DIGIThreePhase

Ref. TINVANDY3/DIGI

Power supply	3 x 400 Vac ±15%
Frequency	50/60 Hz
Input supply (60% -100%)	26A-16A
Maximum input power	18KVA
No load voltage	75V
Load voltage	34V
Welding intensity 60%/100%	350A/250A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	177x550x305
Weight	18 Kg



CLODE 130 HF

Ref. TINVCLODEHF/1

Power supply	230Vac ±15%
Frequency	50/60 Hz
Input supply (60% -100%)	17 A -12 A
Maximum input power	4KVA
No load voltage	85V
Load voltage	25,2V
Welding intensity 60%/100%	130A/ 110 A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	145x350x290
Weight	6,5 Kg



CLODE 130 DIGI HF

Ref. TINVCLODEHF1/DIGI

Power supply	230Vac ±15%
Frequency	50/60 Hz
Input supply (60% -100%)	17 A -12 A
Maximum input power	4KVA
No load voltage	75V
Load voltage	25,2V
Welding intensity 60%/100%	130A/ 110 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30 Vdc (<12Vdc)
Dimensions (mm.)	145x350x290
Weight	6,5 Kg



CLODE 140 HF

Ref. TINVCL0DEHF/2

Power supply	230Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	18A-12A
Maximum input power	4,1 KVA
No load voltage	85V
Load voltage	25,6V
Welding intensity 60%/100%	140A/ 110 A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	145x350x290
Weight	6,5 Kg


DUTY
60%
CYCLE


CLODE 140 DIGI HF

Ref. TINVCL0DEHF2/ DIGI

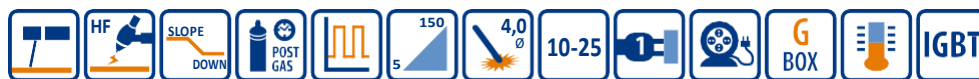
Power supply	230Vac ±15%
Frequency	50/60 Hz
Input supply (60% -100%)	18A-12A
Maximum input power	4,1 KVA
No load voltage	75V
Load voltage	25,6V
Welding intensity 60%/100%	140A/ 110 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	145x350x290
Weight	6,5 Kg


DUTY
60%
CYCLE


PULSER 150 HF

Ref. TINVPULSERHF/1

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	23A -15A
Maximum input power	5,3 KVA
No load voltage	85V
Load voltage	26V
Welding intensity 60%/100%	150A/115A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	155x400x310
Weight	8 Kg



PULSER 150 DIGI HF

Ref. TINVPULSERHF1/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	23A -15A
Maximum input power	5,3 KVA
No load voltage	75V
Load voltage	26V
Welding intensity 60%/100%	150A/115A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30 Vdc (<12 Vdc)
Dimensions (mm.)	155x400x310
Weight	8 Kg



PULSER 170 HF

Ref. TINVPULSERHF/2

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	25 A -16 A
Maximum input power	5,7 KVA
No load voltage	85V
Load voltage	26,8V
Welding intensity 60%/100%	170 A/130 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	155x400x310
Weight	8 Kg



PULSER 170 DIGI HF

Ref. TINVPULSERHF2/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	25 A -16 A
Maximum input power	5,7 KVA
No load voltage	75V
Load voltage	26,8V
Welding intensity 60%/100%	170 A/130 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30 Vdc (<12 Vdc)
Dimensions (mm.)	155x400x310
Weight	8 Kg



PULSER 180 HF

Ref. TINVPULSERHF/3

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	26 A -22 A
Maximum input power	5,9 KVA
No load voltage	85V
Load voltage	27,2V
Welding intensity 60%/100%	180 A/150 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	175x430x310
Weight	9,5 Kg


DUTY
60%
CYCLE


PULSER 180 DIGI HF

Ref. TINVPULSERHF3/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	26 A -22 A
Maximum input power	5,9 KVA
No load voltage	75V
Load voltage	27,2V
Welding intensity 60%/100%	180 A/150 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30 Vdc (<12 Vdc)
Dimensions (mm.)	175x430x310
Weight	9,5 Kg


DUTY
60%
CYCLE


PULSER 200 HF

Ref. TINVPUHSRHF/4

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	29 A -22 A
Maximum input power	6,6 KVA
No load voltage	85V
Load voltage	28V
Welding intensity 60%/100%	200 A/150 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	175x430x310
Weight	9,5 Kg


DUTY
60%
CYCLE


PULSER 200 DIGI HF

Ref. TINVPUHSRHF4/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	29 A -22 A
Maximum input power	6,6 KVA
No load voltage	75V
Load voltage	28V
Welding intensity 60%/100%	200 A/150 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30 Vdc (<12 Vdc)
Dimensions (mm.)	175x430x310
Weight	9,5 Kg


DUTY
60%
CYCLE


PULSER 210 HF Three Phase

Ref. TINVPULSTRIHF/0

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	14A -10A
Maximum input power	9,2 KVA
No load voltage	85V
Load voltage	28,4V
Welding intensity 60%/100%	210A/150A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	175x430x310
Weight	10 Kg



PULSER 210 DIGI HF

Ref. TINVPULSTRIHF0/DIGI

Three Phase

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	14A -10A
Maximum input power	9,2 KVA
No load voltage	75V
Load voltage	28,4V
Welding intensity 60%/100%	210A/150A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	175x430x310
Weight	10 Kg



PULSER 250 HF Three Phase

Ref. TINVULSTRIHF/1

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	16A-13A
Maximum input power	11,5 KVA
No load voltage	85V
Load voltage	30V
Welding intensity 60%/100%	250A/200A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	177x485x350
Weight	17 Kg


DUTY
60%
CYCLE


PULSER 250 DIGI HF

Ref. TINVULSTRIHF1/DIGI

Three Phase

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	16A-13A
Maximum input power	11,5 KVA
No load voltage	75V
Load voltage	30V
Welding intensity 60%/100%	250A/200A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	177x485x350
Weight	17 Kg


DUTY
60%
CYCLE


PULSER 280 HF Three Phase

Ref. TINVPUSTRHF/2

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (40% -100%)	19A-13A
Maximum input power	13,2 KVA
No load voltage	85V
Load voltage	31,2V
Welding intensity 40%/100%	280A/200A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	177x485x350
Weight	17 Kg



PULSER 280 DIGI HF

Ref. TINVPUSTRHF2/DIGI

Three Phase

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (40% -100%)	19A-13A
Maximum input power	13,2 KVA
No load voltage	75V
Load voltage	31,2V
Welding intensity 40%/100%	280A/200A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	177x485x350
Weight	17 Kg



PULSER 350 HF Three Phase

Ref. TINVPUSTRHF/3

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	26A-16A
Maximum input power	18KVA
No load voltage	85V
Load voltage	34V
Welding intensity 60%/100%	350A/250A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	177x550x350
Weight	20 Kg



PULSER 350 DIGI HF

Ref. TINVPUSTRHF3/DIGI

Three Phase

Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	26A-16A
Maximum input power	18KVA
No load voltage	75V
Load voltage	34V
Welding intensity 60%/100%	350A/250A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc (<12Vdc)
Dimensions (mm.)	177x550x350
Weight	20 Kg



CUPEL135-145-150PFC-155-165-175/G

Ref. TINVCUPEL1/G Ref. TINVCUPEL2/G Ref. TINVCUPELPFC/G Ref. TINVCUPEL3/G Ref. TINVCUPEL4/G Ref. TINVCUPEL5/G



Model	135/G	145/G	150/G PFC	155/G	165/G	175/G
Power supply range	230Vac±15%	230Vac±15%	150-265 Vac	230Vac±15%	230Vac±15%	230Vac±15%
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input supply (40% - 100%)	17A - 13A	18A - 13A	20A - 11A	23A - 15A	25A - 15A	26A - 15A
Maximum input power	4 KVA	4,1 KVA	4,6 KVA	5,3 KVA	5,7 KVA	5,9 KVA
No load voltage	85 V	85 V	85 V	85 V	85 V	85 V
Load voltage	25,2V	25,6V	26 V	26 V	26,4V	26,8V
Welding intensity 40% / 100%	130A/90A	140A/90A	150A/90A	150 A/100 A	160 A/100 A	170 A/100 A
Level protection	IP 23S	IP 23S	IP 23S	IP 23S	IP 23S	IP 23S
Insulation class	H	H	H	H	H	H
Dimensions(mm.)	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305
Weight	5,8 Kg	5,9 Kg	5,9 Kg	6,0 Kg	6,1 Kg	6,2 Kg



CUPEL135-145-150PFC-155-165-175/DIGI

Ref. TINVCUPEL1/DIGI Ref. TINVCUPEL2/DIGI Ref. TINVCUPELPFC/DIGI Ref. TINVCUPEL3/DIGI Ref. TINVCUPEL4/DIGI Ref. TINVCUPEL5/DIGI



Model

135/DIGI	145/DIGI	150/DIGI PFC	155/DIGI	165/DIGI	175/DIGI

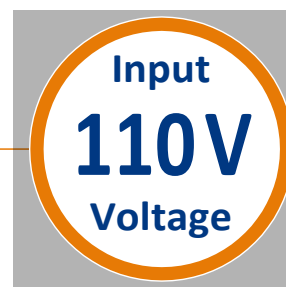
Power supply range	230Vac±15%	230Vac±15%	150-265 Vac	230Vac±15%	230Vac±15%	230Vac±15%
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input supply (40% - 100%)	17A - 13A	18A - 13A	20A - 11A	23A - 15A	25A - 15A	26A - 15A
Maximum input power	4 KVA	4,1 KVA	4,6 KVA	5,3 KVA	5,7 KVA	5,9 KVA
No load voltage	75 V	75 V	75 V	75 V	75 V	75 V
Load voltage	25,2 V	25,6 V	26 V	26 V	26,4 V	26,8 V
Welding intensity 40% / 100%	130 A / 90 A	140 A / 90 A	150 A / 90 A	150 A / 100 A	160 A / 100 A	170 A / 100 A
Level protection	IP 23S	IP 23S	IP 23S	IP 23S	IP 23S	IP 23S
Insulation class	H	H	H	H	H	H
Pulsed frequency	1... 250Hz	1... 250Hz	1... 250Hz	1... 250Hz	1... 250Hz	1... 250Hz
VRD	<30Vdc	<30Vdc	<30Vdc	<30Vdc	<30Vdc	<30Vdc
VRD Russia	<12 Vdc	<12 Vdc	<12 Vdc	<12 Vdc	<12 Vdc	<12 Vdc
Dimensions (mm.)	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305	155 x 370 x 305
Weight	5,9 Kg	6,0 Kg	6,0 Kg	6,1 Kg	6,2 Kg	6,3 Kg



MEXARK 80

Ref. TINVMEXARK1/G Ref. TINVMEXARK1/G/L

Power supply	110/115 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (100%)	24A
Maximum input power	2,8 KVA
No load voltage	85V
Load voltage	23,2V
Welding intensity 100%	80A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	140x350x240
Weight	5,8 Kg


DUTY
100%
CYCLE


MEXARK 80 DIGI

Ref. TINVMEXARK1/DIGI

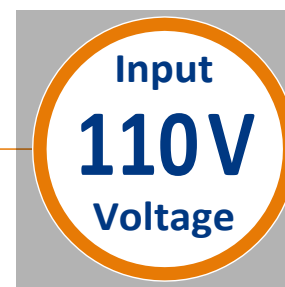
Power supply	110/115 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (100%)	24A
Maximum input power	2,8 KVA
No load voltage	75V
Load voltage	23,2V
Welding intensity 100%	80A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30Vdc
Dimensions (mm.)	140x350x240
Weight	5,8 Kg


DUTY
100%
CYCLE


MEXARK 110

Ref. TINVMEXARK2/G Ref. TINVMEXARK2/G/L

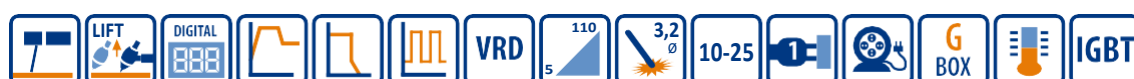
Power supply	110/115Vac ±15%
Frequency	50/60 Hz
Input supply (100%)	29A
Maximum input power	3,4 KVA
No load voltage	85V
Load voltage	24,4V
Welding intensity 100%	110 A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	145x370x240
Weight	6,3 Kg


DUTY
100%
CYCLE


MEXARK 110 DIGI

Ref. TINVMEXARK2/DIGI

Power supply	110/115Vac ±15%
Frequency	50/60 Hz
Input supply (100%)	29A
Maximum input power	3,4 KVA
No load voltage	75V
Load voltage	24,4V
Welding intensity 100%	110 A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30Vdc
Dimensions (mm.)	145x370x240
Weight	6,3 Kg


DUTY
100%
CYCLE


MEXARK 150

Ref. TINVMEXARK3/G Ref. TINVMEXARK3/G/L

Power supply	110/115 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (100%)	43A
Maximum input power	5KVA
No load voltage	85V
Load voltage	26V
Welding intensity 100%	150 A
Level protection	IP21S
Insulation class	H
Dimensions (mm.)	155x400x240
Weight	8Kg

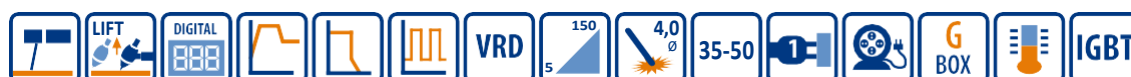

DUTY
100%
CYCLE

Input
110V
Voltage

MEXARK 150 DIGI

Ref. TINVMEXARK3/DIGI

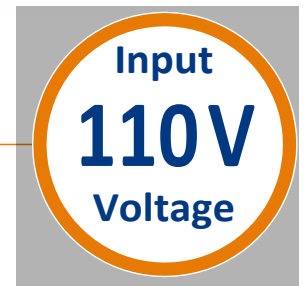
Power supply	110/115 $\pm$ 15%
Frequency	50/60 Hz
Input supply (100%)	43A
Maximum input power	5KVA
No load voltage	75V
Load voltage	26V
Welding intensity 100%	150 A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250Hz
VRD	<30Vdc
Dimensions (mm.)	155x400x240
Weight	8Kg


DUTY
100%
CYCLE


MEXCLODE 80 HF

Ref. TINVMEXCLODEHF

Power supply	110/115 Vac±15%
Frequency	50/60 Hz
Input supply (100%)	24A
Maximum input power	2,8 KVA
No load voltage	85V
Load voltage	23,2V
Welding intensity 100%	80A
Level protection	IP 21 S
Insulation class	H
Dimensions (mm.)	145x350x290
Weight	6,5 Kg



MEXCLODE 80 DIGI HF

Ref. TINVMEXCLODEHF/DIGI

Power supply	110/115 Vac±15%
Frequency	50/60 Hz
Input supply (100%)	24A
Maximum input power	2,8 KVA
No load voltage	75V
Load voltage	23,2V
Welding intensity 100%	80A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30 Vdc
Dimensions (mm.)	145x350x290
Weight	6,5 Kg



PULMEX 110 HF

Ref. TINVPULMEXHF1

Power supply	110/115Vac±15%
Frequency	50/60 Hz
Input supply (100%)	29A
Maximum input power	3,4 KVA
No load voltage	85V
Load voltage	24,4V
Welding intensity 100%	110 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	155x400x310
Weight	8 Kg


DUTY
100%
CYCLE

Input
110V
Voltage

PULMEX 110 DIGI HF

Ref. TINVPULMEXHF1/DIGI

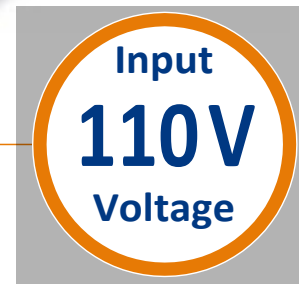
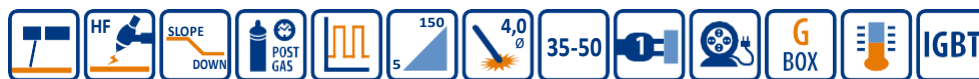
Power supply	110 Vac ± 15%
Frequency	50/60 Hz
Input supply (100%)	29A
Maximum input power	3,4 KVA
No load voltage	75V
Load voltage	24,4V
Welding intensity 100%	110 A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc
Dimensions (mm.)	155x400x310
Weight	8Kg


DUTY
100%
CYCLE


PULMEX 150 HF

Ref. TINVPULMEXHF2

Power supply	110/115 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (100%)	43A
Maximum input power	5KVA
No load voltage	85V
Load voltage	26V
Welding intensity 100%	150 A
Level protection	IP 21 S
Insulation class	H
Pulsed frequency	0,1...500 Hz
Dimensions (mm.)	175x430x310
Weight	9,5 Kg



PULMEX 150 DIGI HF

Ref. TINVPULMEXHF2/DIGI

Power supply	110 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (100%)	43A
Maximum input power	5KVA
No load voltage	75V
Load voltage	26V
Welding intensity 100%	150 A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	0,1...250 Hz
VRD	<30Vdc
Dimensions (mm.)	175x430x310
Weight	9,5 Kg



IRIN 29K

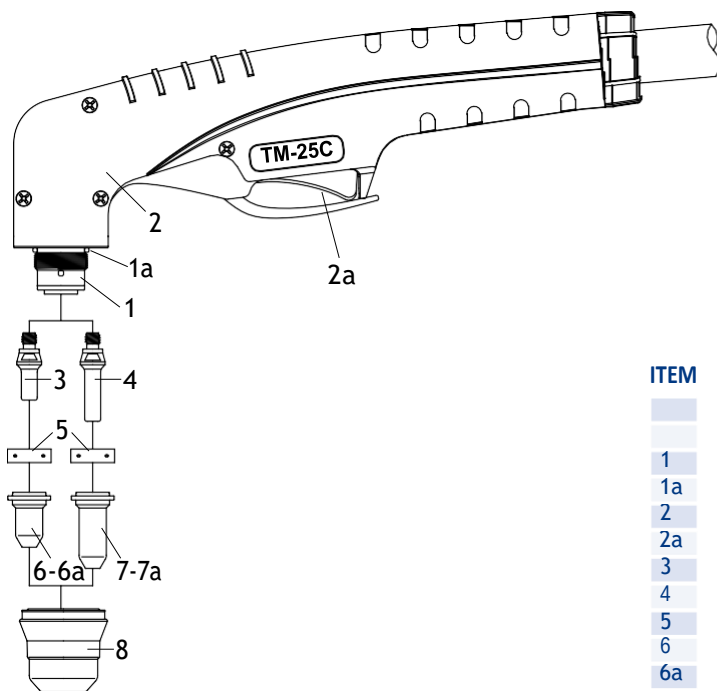
Ref. TINVPLASMA29K

Power supply	230Vac ± 15%
Frequency	50/60 Hz
Input supply (35% - 100%)	25 A - 13 A
Maximum input power	3,3 KVA
No load voltage	460 V
Cutting current 35% / 100%	25 A / 13 A
Recommended cutting capacity	6 mm
Maximum cutting capacity	8 mm
Brute cutting capacity	10 mm
Level protection	IP 23 S
Insulation class	H/F
Dimensions (mm.)	190x430x420
Weight	16 Kg



TORCH TM-25C

Ref. PP09627/TM



Pilotarc: Electrode against tip cutting
 Gas pressure: 40 psi (2,8 bar)
 Gas flow: 85 scfh (40 lpm)
 Duty cycle: 25 Amp 60%
 Ignition: Without HF
 Current: 10-25 Amp.
 Gas: Air

ITEM	CODE	DESCRIPTION
	PP09627/TM	70° Hand coaxial torch, 4 m (12,5 ft) length
	PP09682/TM	Coaxial lead assembly, 4 m (12,5 ft) length
1	PP09601*	PT-25C 70° torch head
1a	PP51620.60*	O-ring
2	PP09605*	Handle with switch
2a	PP07301.20*	Switch
3	PP52582*	Electrode, back striking
4	PP52583	Extended electrode, back striking
5	PP60028*	Gas distributor
6	PP51318.06	Tip, contact cutting, Ø0,65 (10-20 A)
6a	PP51318.08*	Tip, contact cutting, Ø0,80 (20-30 A)
7	PP51318L.06	Extended tip, contact cutting, Ø0,65 (10-20 A)
7a	PP51318L.08	Extended tip, contact cutting, Ø0,80 (20-30 A)
8	PP60389K*	Retaining cap, 2 holes

* Accessories included with the torch

IRIN 46 CC/CI

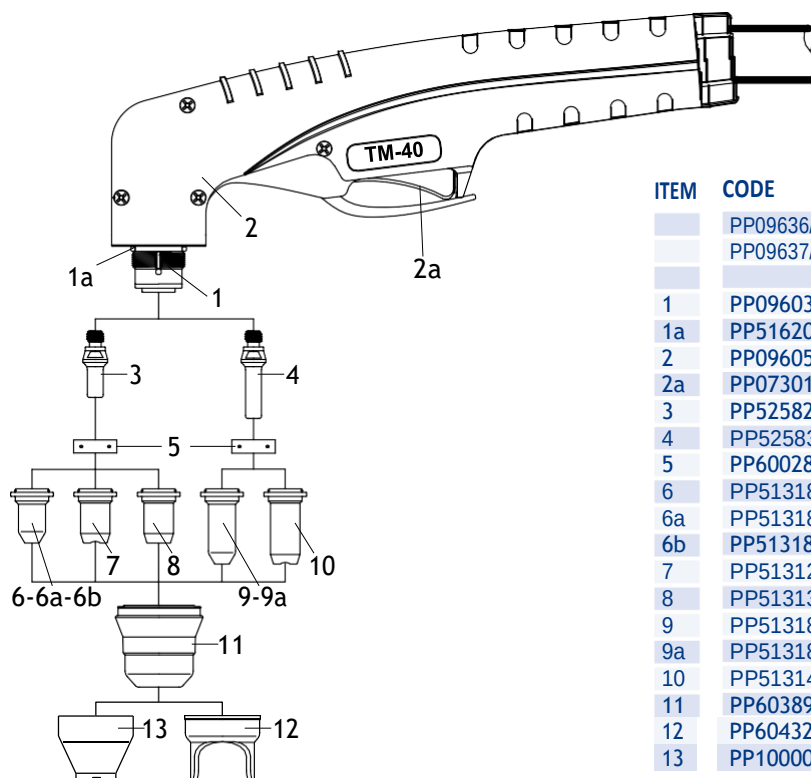
Ref. TINVPLASMA46/CC Ref. TINVPLASMA46/CI

Power supply	230Vac ± 15%
Frequency	50/60 Hz
Input supply (100%)	29A
Maximum input power	6,6 KVA
No load voltage	300 V
Cutting current 100%	40A
Flow	100 lpm
Pressure	4,4-5,0 bar
Recommended cutting capacity	10 mm
Maximum cutting capacity	12 mm
Brute cutting capacity	15 mm
Level protection	IP 23 S
Insulation class	H/F
Dimensions (mm.)	175x490x360
Weight	14,5 Kg



TORCH TM-40

Ref. PP09636/TM CI Ref. PP09637/TM CC



Pilot arc: Electrode against tip cutting

Gas pressure: 65-75 psi (4,4-5,0 bar)

Gas flow: 230 scfh (110 lpm)

Duty cycle: 40 Amp 100%

Ignition: Without HF

Current: 10-60 Amp.

Gas: Air/N2

ITEM	CODE	DESCRIPTION
	PP09636/TM	70° Hand torch, 6 m (20 ft) length CI
	PP09637/TM	70° Hand coaxial torch, 6 m (20 ft) length CC
		Coaxial lead assembly, 6m (20 ft) length
1	PP09603*	PT-60 70° torch head
1a	PP51620.60*	O-ring
2	PP09605*	Handle with switch
2a	PP07301.20*	Switch
3	PP52582*	Electrode, back striking
4	PP52583	Extended electrode, back striking
5	PP60028*	Gas distributor
6	PP51318.06	Tip, contact cutting, Ø0,65 (10-20A)
6a	PP51318.08	Tip, contact cutting, Ø0,80 (20-30A)
6b	PP51318.10*	Tip, contact cutting, Ø1,00 (40-50A)
7	PP51312P.09	Tip, contact cutting, Ø0,90 (30-40A)
8	PP51313P.10	Flat tip, contact cutting, Ø1,00 (40-50A)
9	PP51318L.06	Extended tip, contact cutting, Ø0,65 (10-20A)
9a	PP51318L.08	Extended tip, contact cutting, Ø0,80 (20-30A)
10	PP51314L.09	Extended tip, contact cutting, Ø0,90 (30-40A)
11	PP60389*	Retaining cap, 6 holes
12	PP60432*	Double pointed spacer
13	PP10000*	Shield cap hand TM-40

* Accessories included with the torch

IRIN 77 CC

Ref. TINVPLASMA77/CC

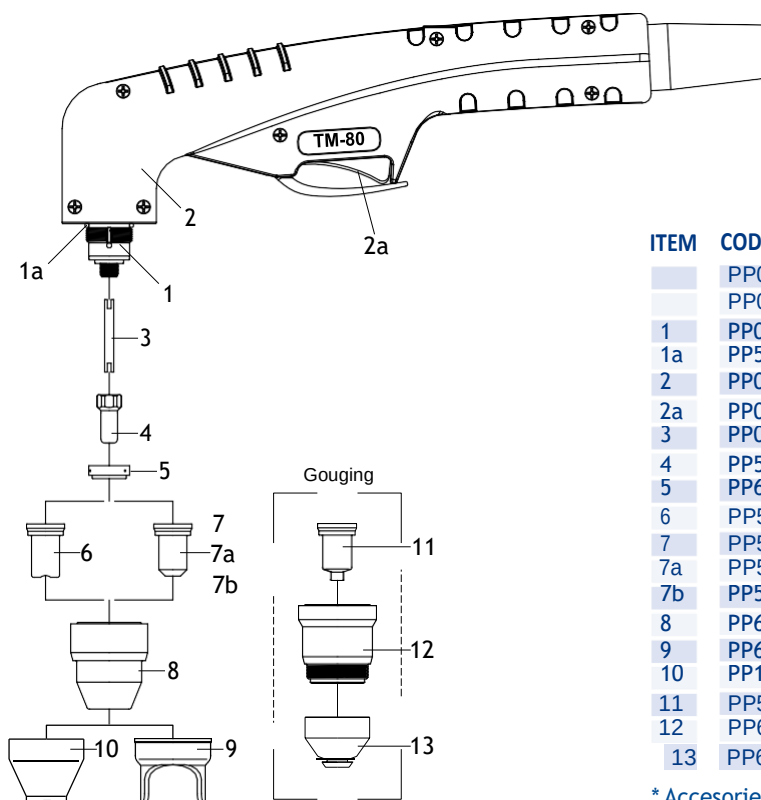
Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	19A- 15A
Maximum input power	13,2 KVA
No load voltage	300 V
Cutting current 60%/100%	70 A/ 50 A
Flow	110 lpm
Pressure	4,4-5,0bar
Recommended cutting capacity	15 mm
Maximum cutting capacity	18 mm
Brute cutting capacity	25 mm
Level protection	IP 23 S
Insulation class	H/F
Dimensions (mm.)	175x490x360
Weight	16 Kg



TORCH TM-80

Ref. PP09821CX/WLD

Pilot arc: Electrode against tip cutting
Gas pressure: 65-75 psi (4,4-5,0 bar)
Gas flow: 230 scfh (110 lpm)
Duty cycle: 80 Amp 60%
Ignition: Without HF
Current: 30-80Amp.
Gas: Air/N2



ITEM	CODE	DESCRIPTION
	PP09821CX/WLD	70° Hand coaxial torch, 6 m (20 ft) length
	PP09780CX	Coaxial lead assembly, 6 m (20 ft) length
1	PP09800*	PT-80 70° torch head
1a	PP51620.60*	O-ring
2	PP09705*	Handle with switch
2a	PP07301.20*	Switch
3	PP09800.42*	Cooling tube
4	PP52558*	Electrode, back striking
5	PP60027*	Gas distributor
6	PP51310.09	Tip, contact cutting, Ø0,90 (30-40A)
7	PP51311.10	Tip, contact cutting, Ø1,00 (40-50A)
7a	PP51311.11	Tip, contact cutting, Ø1,10 (50-60A)
7b	PP51311.12*	Tip, contact cutting, Ø1,20 (60-70A)
8	PP60510*	Retaining cap
9	PP60434*	Double pointed spacer
10	PP10001*	Shield cap hand TM-80
11	PP51311G.16	Tip, gouging, Ø1,60 (80 A)
12	PP60511	Retaining cup gouging
13	PP60508	Shield cap gouging

* Accessories included with the torch

IRIN 109 CC

Ref. TINVPLASMA109/CC

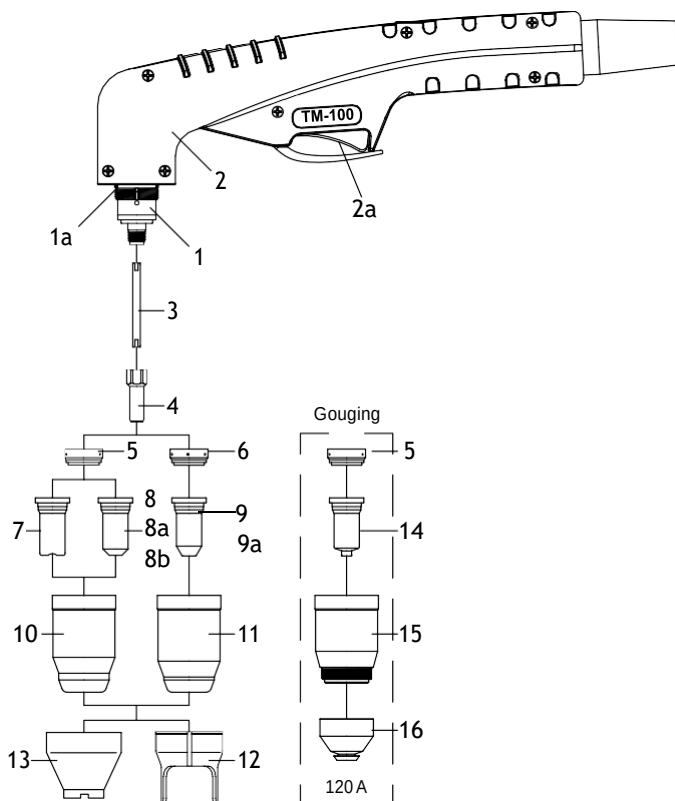
Power supply	3x400Vac±15%
Frequency	50/60 Hz
Input supply (60% -100%)	28A-19A
Maximum input power	19,5 KVA
No load voltage	300 V
Cutting current 60%/100%	100 A/70 A
Flow	200 lpm
Pressure	4,4-5,0bar
Recommended cutting capacity	25 mm
Maximum cutting capacity	30 mm
Brute cutting capacity	35 mm
Level protection	IP 23 S
Insulation class	H/F
Dimensions (mm.)	195x570x360
Weight	21 Kg



TORCH TM-100

Ref. PP09720CX/WLD

Pilot arc: Electrode against tip cutting
Gas pressure: 70-80 psi (4,6-5,0 bar)
Gas flow: 420 scfh (200 lpm)
Duty cycle: 120 Amp 60%
Ignition: Without HF
Current: 30-120 Amp.
Gas: Air/N2



ITEM CODE

	PP09720CX/WLD
	PP09780CX
1	PP09700*
1a	PP51190.41*
2	PP09705*
2a	PP07301.20*
3	PP09700.48*
4	PP52556*
5	PP60025
6	PP60026*
7	PP51245.09
8	PP51246.10
8a	PP51246.11
8b	PP51246.12
9	PP51248.14
9a	PP51248.15*
10	PP60500
11	PP60501*
12	PP60444*
13	PP10002*
14	PP51278G.22
15	PP60502
16	PP60508

DESCRIPTION

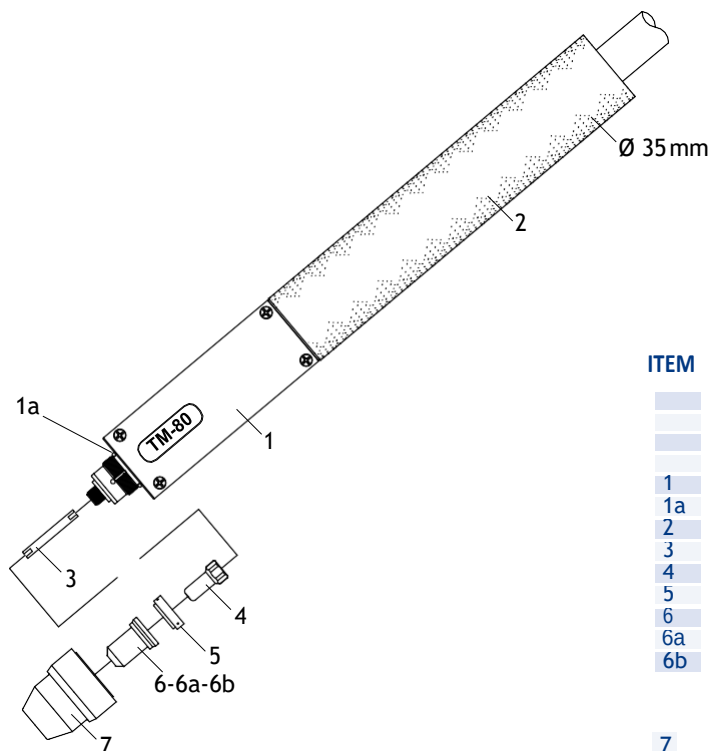
70° Hand coaxial torch, 6 m (20 ft) length
Coaxial lead assembly, 6m (20 ft) length
PT-100 70° torch head
O-ring
Switch with switch
Handle
Cooling tube
Electrode, back striking
Gas distributor (30-70 A)
Gas distributor (80-120 A)
Tip, contact cutting, Ø0,90 (30-40 A)
Tip, cutting, Ø 1,00 (40-50 A)
Tip, cutting, Ø 1,10 (50-60 A)
Tip, cutting, Ø 1,20 (60-70 A)
Tip, cutting, Ø 1,40 (80-90 A)
Tip, cutting, Ø 1,50 (100-110 A)
Retaining cap (30-70 A)
Retaining cap (80-120 A)
Double pointed spacer
Shield cap hand TM-100
Tip, gouging, Ø 2,20 (120 A)
Retaining cup gouging
Shield cap gouging

* Accessories included with the torch

AutomaticTorch TM-80

Ref. PP09831CX/WLD

Pilotarc: Electrode against tip cutting
 Gas pressure: 65-75 psi (4,4-5,0 bar)
 Gas flow: 230 scfh (110 lpm)
 Duty cycle: 80 Amp 60%
 Ignition: Without HF
 Current: 30-80Amp.
 Gas: Air/N₂



ITEM CODE

	PP09831CX/WLD
	PP09790CX
1	PP09810*
1a	PP51620.60*
2	PP07218*
3	PP09800.42*
4	PP52558*
5	PP60027*
6	PP51311.10
6a	PP51311.11
6b	PP51311.12*
	PP60510*

DESCRIPTION

180° Automatic coaxial torch, 8 m (26 ft) length
Coaxial lead assembly, 8 m (26 ft) length
180° Automatic coaxial torch, 16 m (52 ft) length
Coaxial lead assembly, 16 m (52 ft) length
PTM-80 180° torch head
O-ring
Fiberglass positioning tube Ø 35 mm
Cooling tube
Electrode, backstriking
Gas distributor
Tip, cutting, Ø 1,00 (40-50 A)
Tip, cutting, Ø 1,10 (50-60 A)
Tip, cutting, Ø 1,20 (60-70 A)
Retaining cap

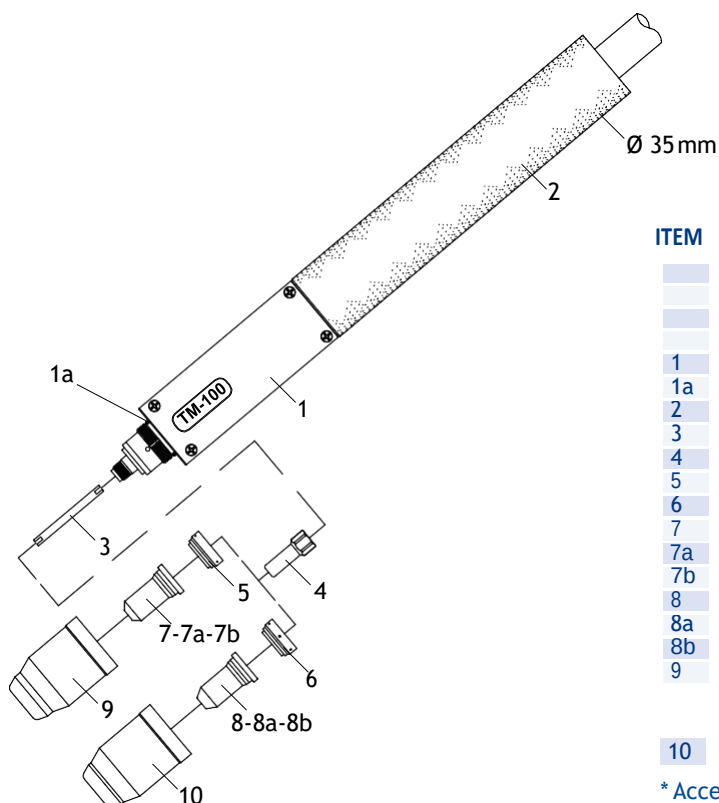
7

* Accessories included with the torch

Automatic Torch TM-100

Ref. PP09730CX/WLD

Pilotarc: Electrode against tip cutting
 Gas pressure: 70-80 psi (4,6-5,0 bar)
 Gas flow: 420 scfh (200 lpm)
 Duty cycle: 120 Amp 60%
 Ignition: Without HF
 Current: 30-120 Amp.
 Gas: Air/N₂



ITEM CODE

	PP09730CX/WLD
	PP09790CX
1	PP09710*
1a	PP51190.41*
2	PP07218*
3	PP09700.48*
4	PP52556*
5	PP60025
6	PP60026*
7	PP51246.10
7a	PP51246.11
7b	PP51246.12
8	PP51248.14
8a	PP51248.15*
8b	PP51248.16
9	PP60500
	PP60501*

DESCRIPTION

180° Automatic coaxial torch, 8 m (26 ft) length
Coaxial lead assembly, 8 m (26 ft) length
180° Automatic coaxial torch, 16 m (52 ft) length
Coaxial lead assembly, 16 m (52 ft) length
PTM-100 180° torch head
O-ring
Fiberglass positioning tube Ø 35 mm
Cooling tube
Electrode, backstriking
Gas distributor (30-70 A)
Gas distributor (80-120 A)
Tip, cutting, Ø 1,00 (40-50 A)
Tip, cutting, Ø 1,10 (50-60 A)
Tip, cutting, Ø 1,20 (60-70 A)
Tip, cutting, Ø 1,40 (80-90 A)
Tip, cutting, Ø 1,50 (100-110 A)
Tip, cutting, Ø 1,60 (110-120 A)
Retaining cap (30-70 A)
Retaining cap (80-120 A)

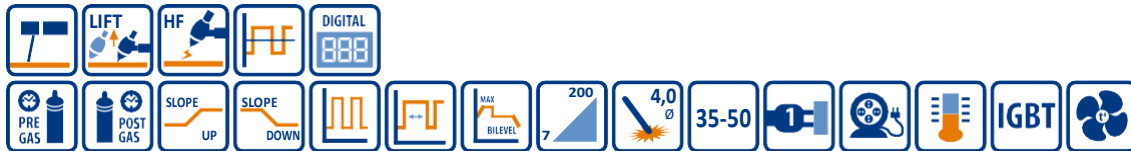
10

* Accessories included with the torch

DELTA AC/DC 200

Ref. TINVDEL200AC/DC

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	27,6A -15,1A
Maximum input power	6,3 KVA
No load voltage (TIG)	10V
Load voltage	18V
Welding intensity 30%	200 A
Welding intensity 60%	170 A
Welding intensity 100%	130 A
Level protection	IP 23 S
Insulation class	H
Dimensions (mm.)	460x325x230
Weight	17,5 Kg



DELTA AC/DC 280

Ref. TINVDEL280AC/DC

Power supply	3x400 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (40% -100%)	18,4A -13,3A
Maximum input power	12,7 KVA
No load voltage (TIG)	11V
Load voltage	30V
Welding intensity 40%	250 A
Welding intensity 60%	210 A
Welding intensity 100%	180 A
Level protection	IP 23 S
Insulation class	H
Dimensions (mm.)	670x460x290
Weight	40,5 Kg



UNIVERSAL

Ref. TINVUNIVERSAL/DIGI

Power supply	230 Vac $\pm$ 15%
Frequency	50/60 Hz
Input supply (60% -100%)	29A-22A
Maximum input power	6,6 KVA
No load voltage	85V
Load voltage	27,2V
Welding intensity 60%/100%	150 A/120 A
Level protection	IP 21S
Insulation class	H
Pulsed frequency	1...250 Hz
VRD	<30 Vdc (<12 Vdc)
Dimensions (mm.)	155x400x240
Weight	8 Kg



UNIVERS-AL Control



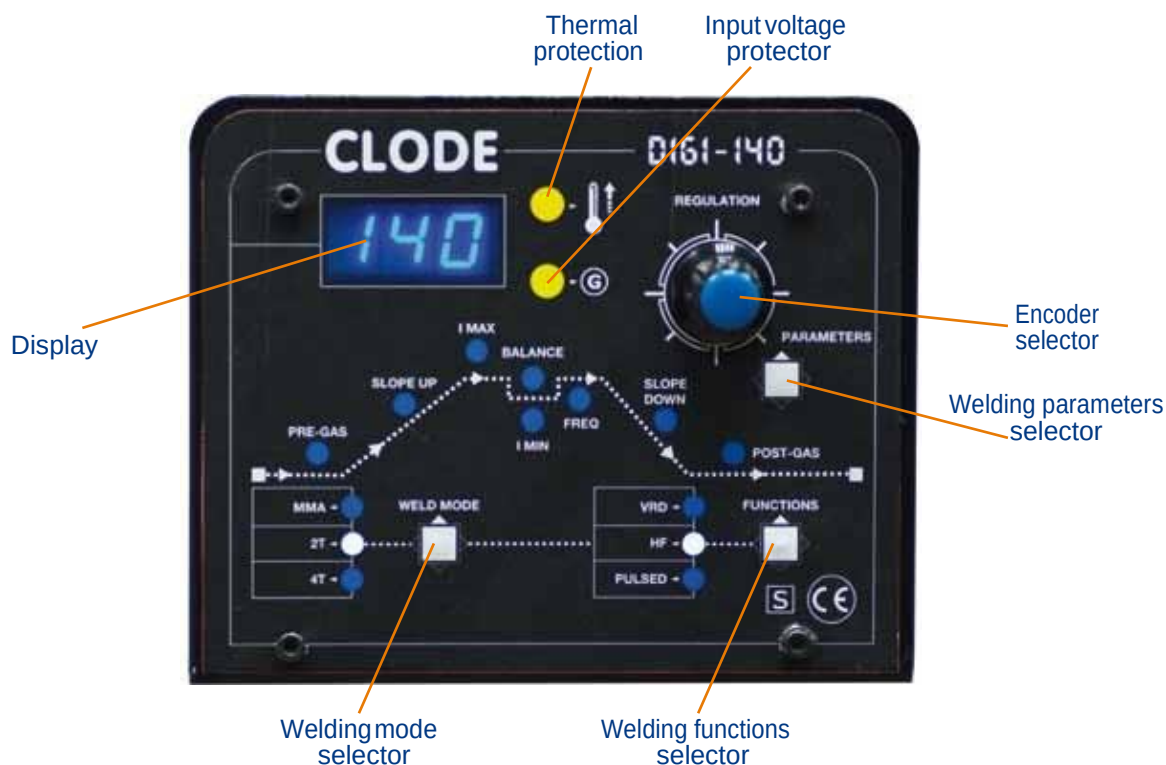
TIG LIFT Control



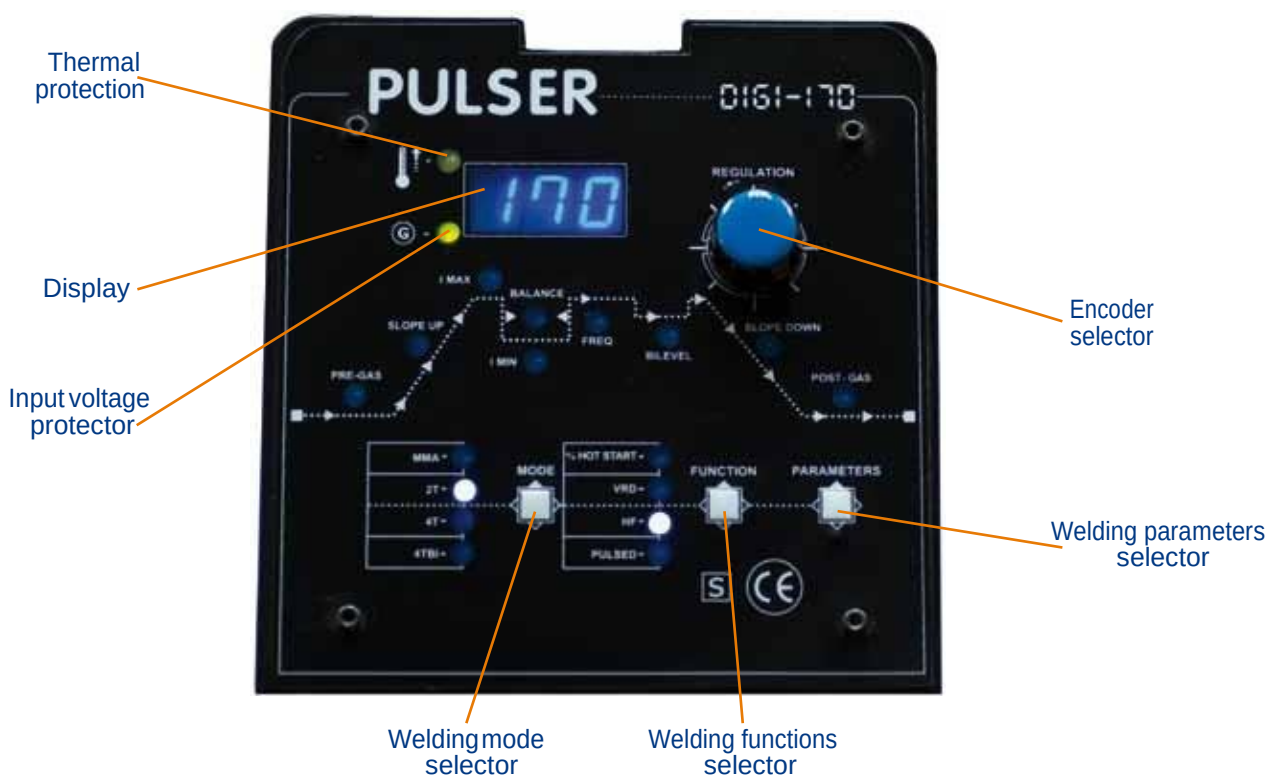
DIGITAL MMA Control



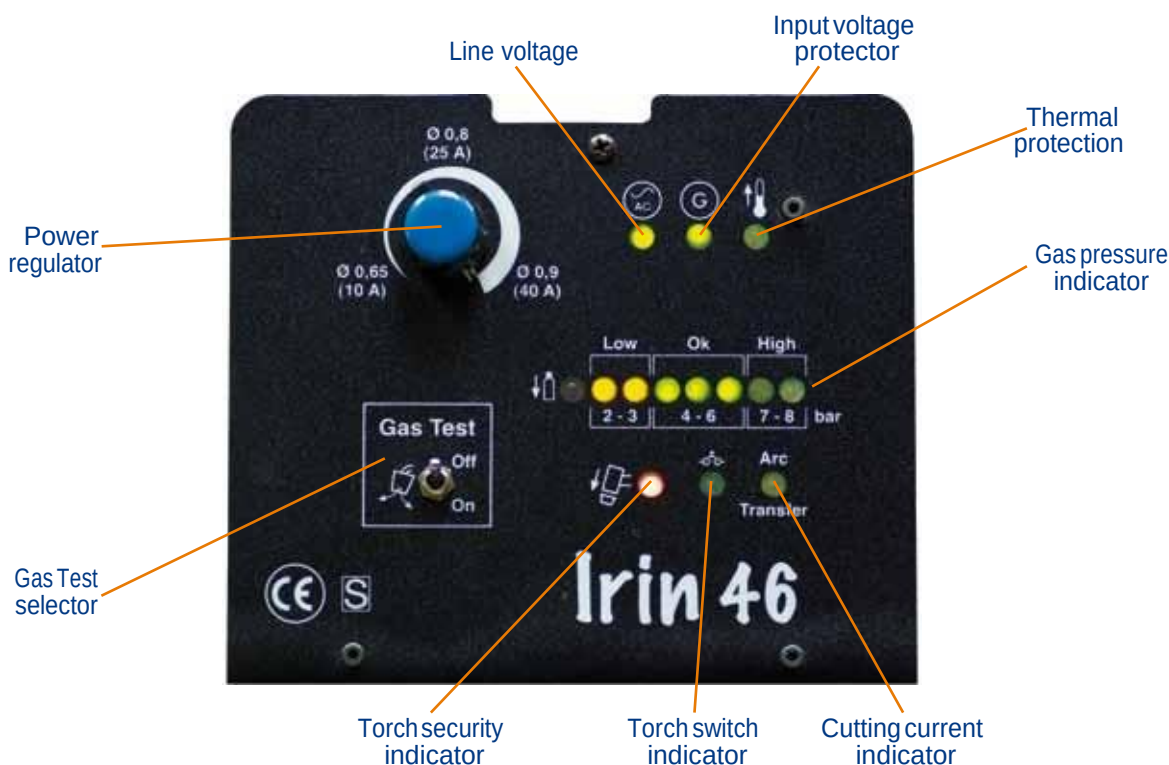
DIGITAL CLODE Control



DIGITAL PULSER Control



PLASMA Control



DIGITAL AC/DC Control



HOBBY KIT

Ref. TINVHOBBYKIT/1 Ref. TINVHOBBYKIT/2



ITEM	CODE	DESCRIPTION
1	TINVVALE/1	Inverter VALE 100 A
1a	TINVVALE/2	Inverter VALE 120A
2	TMINVMIN	Plastic case
3	TER25350	Rutile electrode 2,5 / 350 mm (10 pcs.)
4	TINV64/120	Welding wires mass (2m) holder (2m)
5	TINV002	Manual mask
6	TCRINA105*50T12	Inactivic glass 105x50 T-12
7	TINV001	Brush with hammer
8	TINV41	Welding gloves
9	TCATCDMANUAL	DVD multiactive manual instructions



PRO KIT

Ref. TINVPROKIT/1 Ref. TINVPROKIT/2



ITEM	CODE	DESCRIPTION
1	TINVSANDER1/G	Inverter SANDER 130 A
1a	TINVSANDER2/G	Inverter SANDER 140 A
2	TMINVPE	Plastic case
3	TER25350	Rutile electrode 2,5 / 350 mm (10 pcs.)
4	TINV64/150	Welding wires mass (2m) holder (2m)
5	TINV002	Manual mask
6	TCRINA105*50T12	Inactinic glass 105x50 T-12
	TINV001	Brush with hammer
7	TINV41	Welding gloves
8	TCATCDMANUAL	DVD multiactive manual instructions
9		



SUPERKIT

Ref. TINVSUPERKIT1/D Ref. TINVSUPERKIT2/D



	CODE	DESCRIPTION
1	TINVMARK1/DIGI	Inverter MARK 150 A/Digi
1a	TINVMARK2/DIGI	Inverter MARK 170 A/Digi
2	TMINVPE	Plastic case
3	TER25350	Rutile electrode 2,5 / 350 mm (10 pcs.)
4	TINV64/150	Welding wires mass (2m) holder (2m)
4a	TINV64/200	Welding wires mass (2,5 m) holder (2,5 m)
5	TINV002	Manual mask
6	TCRINA105*50T12	Inactinic glass 105x50 T-12
7	TINV001	Brush with hammer
7	TINV41	Welding gloves
8	TCATCDMANUAL	DVD multiactive manual instructions
9		



KIT PULSER

Ref. TINVPUKSERKIT/1 Ref. TINVPUKSERKIT/2



ITEM	CODE	DESCRIPTION
1	TINVPULSERHF/1	Inverter PULSER HF 150A
1a	TINVPULSERHF/2	Inverter PULSER HF 170A
2	TMINVGR	Plastic case
3	TANTTIGTL174MTS	TIG torch TL-17 (4 m)
4	TINV64/150-2/3	Welding wires mass (2m) holder (3m)
5	TCAUTOSCU	Automatic mask
6	TMANORMINI	Mini manometer
7	TINV001	Brush with hammer
8	TINV41	Welding gloves
9	TCATCDMANUAL	DVD multiactive manual instructions





Big case
Ref. TMINVGR



Medium case
Ref. TMINVPE



Small case
Ref. TMINVMIN



Welding gloves
Ref. TINV41



Circle guide
Ref. PP51866



Manometer
Ref. TMANORMINI



Brush with hammer
Ref. TINV001



Manual mask
Ref. TINV002

Automatic mask
Ref. TCAUTOSCU

Electrode holder
and mass clamp
Ref. TINV64/150



Electrode holder
and mass clamp
Ref. TINV64/200



TIG micro torch
Ref. TANTTIGTL174MTS
Ref. TANTTIGTL178MTS



TIG micro torch
Ref. TANTTIGTL264MTS
Ref. TANTTIGTL268MTS



TIG valve torch
Ref. TANTTIGTL9V4MTS
Ref. TANTTIGTL9V8MTS
Ref. TANTTIGTL17V4MTS
Ref. TANTTIGTL17V8MTS
Ref. TANTTIGTL26V4MTS
Ref. TANTTIGTL26V8MTS



Plasma manual torch
Ref. PP09627/TM
Ref. PP09637/TM
Ref. PP09821CX/WLD
Ref. PP09721CX/WLD



**ANDY 210**

Ref. TINVCON/210

**ANDY 250/280**Ref. TINVCON/250
Ref. TINVCON/280**IRIN 46**

Ref. TINVCON/46

**IRIN 77**

Ref. TINVCON/77

**MARK**Ref. TINV114/150
Ref. TINV114/170**NEW GABI**Ref. TINV154/180
Ref. TINV154/200**VALE**Ref. TINV142/100
Ref. TINV142/120**SANDER**Ref. TINV153/130
Ref. TINV153/140



Ref. TINV131/NW



Ref. TINV47

Ref. TINV139 (230V)
Ref. TINV105 (110V)

Ref. TINV130

Ref. TINV 143/100
Ref. TINV 143/120
Ref. TINV 71/130
Ref. TINV 71/140
Ref. TINV 71/150
Ref. TINV 71/170
Ref. TINV 71/180
Ref. TINV 71/200

Ref. TINV182

Ref. TINV70/130-D
Ref. TINV70/140-D
Ref. TINV70/150-D
Ref. TINV70/170-D
Ref. TINV70/180-D
Ref. TINV70/200-D

Ref. TINV183



TINV138



Ref. TINV90



TINV109



Ref. TINVEXPOTOTEM/3 - Dimensions 500x500x1.900 mm



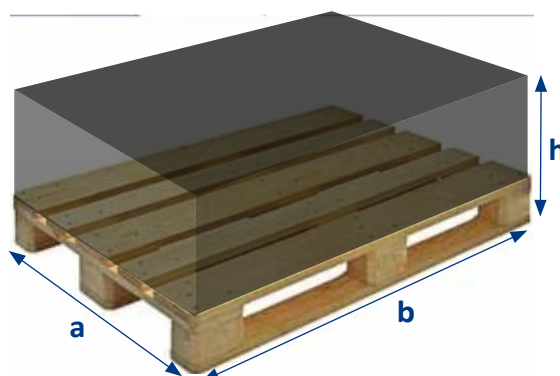
Ref. TINVEXPOTOTEM/5 - Dimensions 500x500x1.900 mm



Ref. TINVEXPOSITOR - Dimensions 1.350x600x1.670 mm

EURO PALLET SIZE (wood or plastic)

	a	b	h
Small	80	120	100
Medium	80	120	130
Large	80	120	150



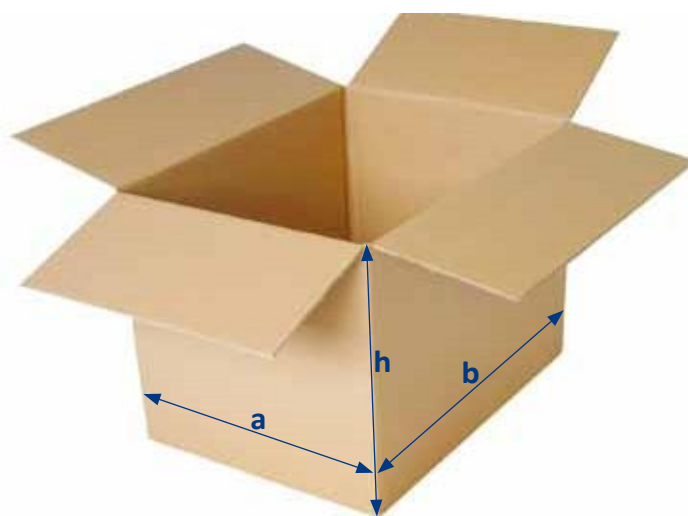
CARTON BOXES FOR MACHINES

	a	b	h
Vale G-Box/W	350	160	210

Mark Mexark Sander	500	210	365
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New Gabi Mexark 150 Pulser Pulmex Clode Mexclode	500	245	415
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Irin 29 K Irin 46-77-109 Andy 250-280	650	300	500
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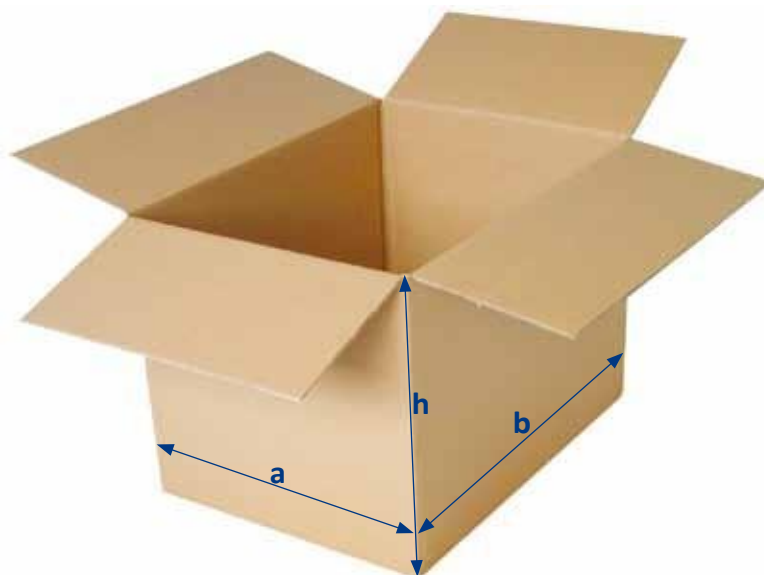
CARTON BOXES FOR MACHINES WITH PLATIC CASE

	a	b	h
Vale G-Box/W	500	210	365

Mark Mexark Sander	500	245	415
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New Gabi Mexark 150 Pulser Pulmex Clode Mexclode	650	300	500
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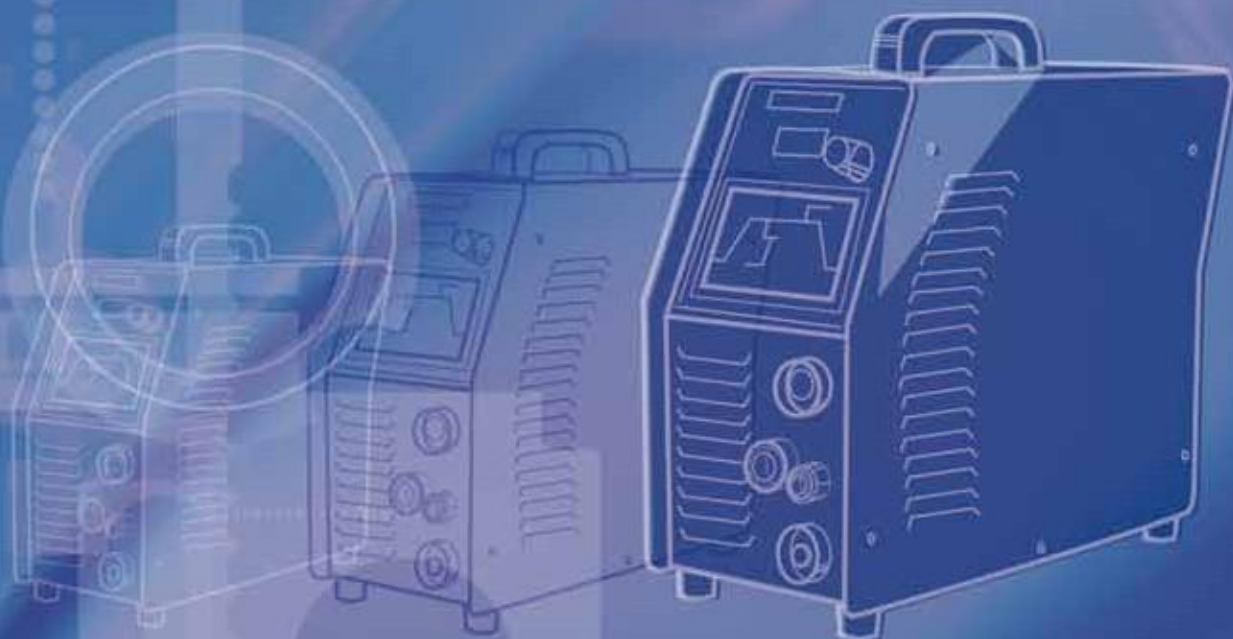
Irin 29 K Irin 46-77-109 Andy 250-280	650	300	500
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NOTES

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A world map with a light blue background. The landmasses are outlined in white. The countries of Latin America and the Caribbean are highlighted in a dark blue color. These include Mexico, Central American countries (Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, Panama), Caribbean islands (Cuba, Haiti, Santo Domingo, Jamaica, Puerto Rico, etc.), and South American countries (Venezuela, Colombia, Ecuador, Peru, Bolivia, Paraguay, Uruguay, Argentina, Brazil, Chile, and Uruguay).



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