

# GRAND TIG 200 DC



## SUGGESTED ACCESSORIES

1. 3MT 25MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM 21002
2. 3MT 25MM2 EARTH CABLE WITH CLAMP PLUG 13MM 21003
3. HELMET LKM VISTA HD 32000
4. TIG TORCH LKM STYLE 26 4MT 22014



## PRODUCT PARAMETERS

CODE	12000
INPUT VOLTAGE	230V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATED INPUT POWER*	5,5KW-7,76KW
RATED INPUT CURRENT (I1MAX)*	32A-45A
EFFECTIVE INPUT CURRENT (IIEFF)*	19A-20A
DUTY CYCLE 20% (10 MIN 40°C)*	200A
DUTY CYCLE 60% (10 MIN 40°C)*	125A-115A
DUTY CYCLE 100% (10 MIN 40°C)*	100A-90A
NO LOAD VOLTAGE	77V
CURRENT RANGE	10 A/200A
NET WEIGHT	7,7KG
DIMENSIONS	520X185X305MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,75
TIG TRIGGER CONNECTORS	12 PINS
* (TIG/MMA)	



GRAND TIG 200 DC is a single phase inverter power source for TIG DC with the possibility of MMA (stick) usage.

Down slope, post gas and trigger mode are selectable in order to give all the main parameters accurate in order to obtain a good welding. In TIG mode, with a very good high frequency ignition, GRAND TIG 200 DC can easily weld stainless steel, copper alloys, mild steel and titanium. It is equipped with temperature, voltage and current sensors for high protection and it is designed to avoid failures due to voltage spikes as when using diesel generator.

Extremely low weight and strength make this machine ideal for food industry, petrochemical plants and for every medium steel fabrication where a very high welding performance is required.

# GRAND TIG 200 DC



# GRAND TIG 200 DC PULSE PFC MV



## SUGGESTED ACCESSORIES

1. 3MT 25MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21002
2. 3MT 25MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21003
3. HELMET LKM ALTAVISTA HD	33000
4. TIG TORCH LKM STYLE 26 4MT	22014
5. MINI COOLER 220V	43004
6. LKM TROLLEY 2 WHEELS	40006
7. TIG TORCH LKM STYLE 18 HC 4M	22016
8. GRAND PEDAL WIRED 5M	40010
9. GRAND WRC DC	43000



## PRODUCT PARAMETERS

CODE	12001
INPUT VOLTAGE	110V-230V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATED INPUT POWER*	2,5KW-4,1KW (1PH-110V)
	4,5KW-6,6KW (1PH-230V)
RATED INPUT CURRENT (I1MAX)*	23A-37A (1PH-110V)
	20A-29A (1PH-230V)
EFFECTIVE INPUT CURRENT (IIEFF)*	22A-14A (1PH-110V)
	14A-14,5A (1PH-230V)
DUTY CYCLE 50% (10 MIN 40°C)* (TIG)	200A (1PH-220V)
DUTY CYCLE 60% (10 MIN 40°C)*	65A MMA; 90% 130A TIG (1PH-110V)
	180A-130A (1PH-220V)
DUTY CYCLE 100% (10 MIN 40°C)*	125A-55A (1PH-110V)
	145A-100A (1PH-230V)
NO LOAD VOLTAGE	68V
CURRENT RANGE*	5A/130A (1PH-110V)
	5A/200A (1PH-220V)
NET WEIGHT	10KG
DIMENSIONS	520X185X305
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,99
TIG TRIGGER CONNECTOR	12 PINS

\*(TIG/MMA)





# GRAND TIG 200 DC PULSE PFC MV

## WELDING MACHINES

GRAND TIG 200 DC PULSE PFC MV is a multi voltage single phase inverter power source for TIG DC and TIG PULSE DC with the possibility of MMA (stick) usage.

In TIG DC all the main parameters are adjustable in order to obtain the best welding. With a very good high frequency ignition, GRAND TIG 200 DC PULSE PFC MV can easy weld stainless steel, copper alloys, mild steel and titanium. PULSE TIG permits high performance on ultra thin surfaces with reduced deformations.

P.F.C (Power Factor Corrector) reduce the harmonic current emissions and increase the power inverter efficiency reducing the input current more than 20%. For the same reason it permit to have higher welding current than a standard inverter using a poor supply network and permit to use a very long supplying cables or a not stabilized line. Multi voltage device permits to connect the machine from 90V to 275V single phase supply network.

It is equipped with temperature, voltage and current sensors for hight protection and it is designed to avoid failures due to voltage spikes as when using diesel generator. Extremely low weight and strength make this machine ideal for food industry, petrochemical plants and for every medium steel fabrication where a very high welding performance is required and with the multi voltage device it becomes the perfect machine for anyone who works off the workshop.



# GRAND TIG 250 DC PULSE



## SUGGESTED ACCESSORIES

1. 4MT 35MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21004
2. 3MT 35MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21005
3. HELMET LKM ALTAVISTA HD	33000
4. TIG TORCH LKM STYLE 26 4MT	22014
5. GRAND COOLER	43003
6. LKM TROLLEY 4 WHEELS	40007
7. TIG TORCH LKM STYLE 18 HC 4MT	22016
8. GRAND PEDAL WIRED 5M	40010
9. GRAND WRDCDC	43000



## PRODUCT PARAMETERS

CODE	12003
INPUT VOLTAGE	400V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	3
RATED INPUT POWER*	7,7KW-10,3KW
RATED INPUT CURRENT (I1MAX)*	15A-20A
EFFECTIVE INPUT CURRENT (IIEFF)*	12A-10A
DUTY CYCLE 60% (10 MIN 40°C)*	250A-165A
DUTY CYCLE 100% (10 MIN 40°C)*	200A-125A
NO LOAD VOLTAGE	73V
CURRENT RANGE*	5A/250A
NET WEIGHT	15,8KG
DIMENSIONS	520X280X460MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,75
TIG TRIGGER CONNECTOR	12 PINS

\*(TIG/MMA)



GRAND TIG 250 DC PULSE three phase inverter power source for TIG DC and TIG PULSE DC with the possibility of MMA (stick) usage.

In TIG DC all the main parameters are adjustable in order to obtain the best welding. With a very good high frequency ignition, GRAND TIG 250 DC PULSE can easily weld stainless steel, copper alloys, mild steel and titanium. PULSE TIG permits high performance on ultra thin surfaces with reduced deformations. In MMA Mode Hot Start and Arc Force are adjustable in order to permit the operator to work easily and with excellent results. Antisticking helps the welder stop the welding current when the electrode is glued to the workpiece. It is equipped with temperature, voltage and current sensors for high protection and it is designed to avoid failures due to voltage spikes as when using diesel generator.

Hardy and with its high duty cycle (250 A at 60%) this power source is ideal for food industry, petrochemical plants and for industrial steel fabrication where a very high welding performance is required.

# GRAND TIG 250 DC PULSE





# GRAND TIG 400 DC PULSE



## SUGGESTED ACCESSORIES

1. 4MT 50MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21006
2. 3MT 50MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21007
3. HELMET LKM ALTAVISTA HD	33000
4. TIG TORCH LKM STYLE 26 4MT	22014
5. GRAND COOLER	43003
6. LKM TROLLEY 4 WHEELS	40007
7. TIG TORCH LKM STYLE 18 HC 4MT	22016
8. GRAND PEDAL WIRED 5M	40010
9. GRAND WRC DC	43000



## PRODUCT PARAMETERS

CODE	12005
INPUT VOLTAGE	400V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	3
RATED INPUT POWER (TIG/MIG)*	14,5KW-18,6KW
RATED INPUT CURRENT (I <sub>1MAX</sub> )*	28A-36A
EFFECTIVE INPUT CURRENT (I <sub>IEFF</sub> )*	17A-21A
DUTY CYCLE 35% (10 MIN 40°C)*	400A-400A
DUTY CYCLE 60% (10 MIN 40°C)*	305A-305A
DUTY CYCLE 100% (10 MIN 40°C)*	240A-240A
NO LOAD VOLTAGE	77V
CURRENT RANGE (TIG/MMA)	5A/400A
NET WEIGHT	25KG
DIMENSIONS	595X280X460MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,75
TIG TRIGGER CONNECTOR	12 PINS

\*(TIG/MMA)



GRAND TIG 400 DC PULSE is a three phase inverter power source for TIG DC and TIG PULSE DC with the possibility of MMA (stick) usage developed for heavy industrial application. In TIG DC all the main parameters are adjustable in order to obtain the best welding. With a very good high frequency ignition, GRAND TIG 400 DC PULSE can easy weld stainless steel, copper alloys, mild steel and titanium. PULSE TIG permits high performance on ultra thin surfaces with reduced deformations.

In MMA Mode Hot Start and Arc Force are adjustable in order to permit to the operator to work easily and with excellent results. Antisticking helps the welder stopping the welding current when the electrode is glued to the workpiece. It is equipped with temperature, voltage and current sensors for hight protection and it is designed to avoid failures due to voltage spikes as when using diesel generator. Hardy and with its good duty cycle this power source is ideal for heavy industrial applications (food industry, petrochemical plants and for every kind of industrial steel fabrication where a very high welding performance is required).

## GRAND TIG 400 DC PULSE





# GRAND PIPE 270 MULTI



## SUGGESTED ACCESSORIES

1. 4MT 35MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21004
2. 3MT 35MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21005
3. HELMET LKM ALTAVISTA HD	33000
4. TIG TORCH LKM STYLE 26 4MT	22014
5. MINI COOLER 220V	43004
6. MINI COOLER 400V	43005
7. LKM TROLLEY 2 WHEELS	40006
8. TIG TORCH LKM STYLE HC 18 HC 4MT	22016
9. GRAND PEDAL WIRED 5MT	40010
10. GRAND WRC DC	43000



## PRODUCT PARAMETERS

CODE	12006
INPUT VOLTAGE	110V-460V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1-3
RATED INPUT POWER*	3,2KW-3,8KW (1PH-110V)
	6,3KW-6,8KW (1PH-230V)
	7,5KW-9,5KW (3PH-230V)
	7,5KW-10,2KW (3PH-400V)
RATED INPUT CURRENT (I <sub>IMAX</sub> *)	30A-35A (1PH-110V)
	28A-30A (1PH-230V)
	19A-24A (3PH-230V)
	11A-15A (3PH-400V)
EFFECTIVE INPUT CURRENT (I <sub>IEFF</sub> *)	19A-19A (1PH-110V)
	15A-17A (1PH-230V)
	12A-13A (3PH-230V)
	7A-10A (3PH-400V)
DUTY CYCLE 40% (10 MIN 40°C)*	150A-120A 30% (1PH-110V)
	250A-200A 30% (1PH-230V)
	270A-250A 30% (3PH-230V)
	270A-270A (3PH-400V)
DUTY CYCLE 60% (10 MIN 40°C)*	125A-85A (1PH-110V)
	180A-145A (1PH-230V)
	225A-180A (3PH-230V)
	225A-225A (3PH-400V)
DUTY CYCLE 100% (10 MIN 40°C)*	95A-70A (1PH-110V)
	140A-110A (1PH-230V)
	175A-140A (3PH-230V)
	175A-175A (3PH-400V)
NO LOAD VOLTAGE	93V
CURRENT RANGE*	10A/270A
NET WEIGHT	22,5KG
DIMENSIONS	620X240X425MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,99
TIG TRIGGER CONNECTOR	12 PINS

\* (TIG/MMA)



GRAND PIPE 270 MULTI is one of the more flexible machine in the welding market. P.F.C (Power Factor Corrector) reduce the harmonic current emissions and increase the power inverter efficiency reducing the input current more than 20%. For the same reason it permit to have higher welding current than a standard inverter using a poor supply network and permit to use a very long supplying cables or a not stabilized line.

Multi voltage device permits to connect the machine from 110V to 460V with auto link both in single phase (110V-230V-400V-460V) and in three phase (230V-400V-460V). In MMA Mode Hot Start and Arc Force are adjustable in order to permit to the operator to work easily and with excellent results. Antisticking helps the welder stopping the welding current when the electrode is glued to the workpiece. It works with excellent performance with cellulose electrodes too. In TIG DC all the main parameters are adjustable in order to obtain the best welding. With a very good high frequency ignition, GRAND PIPE 270 MULTI can easy weld stainless steel, copper alloys, mild steel and titanium. PULSE TIG permits high performance on ultra thin surfaces with reduced deformations.

Combining these strengths makes the GRAND PIPE 270MULTI the ideal machine for any off-site job (pipe line, repairs, building sites, etc).

# GRAND PIPE 270 MULTI



# GRAND TIG 200 AC/DC PULSE PFC MV



## SUGGESTED ACCESSORIES

1. 3MT 25MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21002
2. 3MT 25MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21003
3. HELMET LKM ALTAVISTA HD	33000
4. TIG TORCH LKM STYLE 26 4MT	22014
5. MINI COOLER 220V	43004
6. LKM TROLLEY 2 WHEELS	40006
7. TIG TORCH LKM STYLE 18 HC 4MT	22016
8. GRAND PEDAL WIRED 5MT	40010
9. GRAND WRC ACDC	43002
10. GRAND PEDAL WRC	43001



## PRODUCT PARAMETERS

CODE	12002
INPUT VOLTAGE	90V-275V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATED INPUT POWER*	3.9KW-4.3KW (1PH-110V)
	6.0KW-7.2KW (1PH-230V)
RATED INPUT CURRENT (I <sub>MAX</sub> )*	36A-40A (1PH-110V)
	28A-32A (1PH-230V)
EFFECTIVE INPUT CURRENT (I <sub>IEFF</sub> )*	20A-22A (1PH-110V)
	17A-19A (1PH-230V)
DUTY CYCLE 60% (10 MIN 40°C)*	160A-110A (1PH-110V)
	200A-140A (1PH-230V)
DUTY CYCLE 100% (10 MIN 40°C)*	125A-80A (1PH-110V)
	155A-110A (1PH-230V)
NO LOAD VOLTAGE	67V
CURRENT RANGE*	5/160A; 5/130A (1PH-110V)
	5A/200A (1PH-230V)
NET WEIGHT	17KG
DIMENSIONS	620X240X425MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,99
TIG TRIGGER CONNECTOR	12 PINS

\*(TIG/MMA)





GRAND TIG 200 AC DC PULSE PFC MV is an inverter power source suitable for MMA, TIG DC and TIG AC professional welding.

Multi voltage device permits to connect the machine from 110V to 230V with auto link in single phase. P.F.C (Power Factor Corrector) reduces the harmonic current emissions and increase the power inverter efficiency reducing the input current more than 20%. It permits to have higher welding current than a standard inverter using a poor supply network and permit to use a very long supplying cable or a not stabilized line.

In MMA Mode Hot Start and Arc Force are adjustable in order to permit to the operator to work easily and with excellent results. Antisticking helps the welder stopping the welding current when the electrode is glued to the workpiece. In TIG DC all the main parameters are adjustable in order to obtain the best welding.

TIG AC, with the possibility to modify the waveform, permits GRAND TIG 200 AC DC PULSE PFC MV to weld easily and with great results Aluminium alloys. PULSE TIG permits high performance on ultra thin surfaces with reduced deformations. The perfect welding machine for TIG welding in medium and thin thicknesses.

# GRAND TIG 200 AC/DC PULSE PFC MV



# GRAND TIG 400 AC/DC PULSE



## SUGGESTED ACCESSORIES

1. 4MT 50MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21006
2. 3MT 50MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21007
3. HELMET LKM ALTAVISTA HD	33000
4. TIG TORCH LKM STYLE 26 4MT	22014
5. GRAND COOLER	43003
6. LKM TROLLEY 4 WHEELS	40007
7. TIG TORCH LKM STYLE 18 HC 4MT	22016
8. GRAND PEDAL WIRED 5MT	40010
9. GRAND WRC ACDC	43002
10. GRAND PEDAL WRC	43001



## PRODUCT PARAMETERS

CODE	12004
INPUT VOLTAGE	400V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	3
RATED INPUT POWER*	16,3KW-20,5KW
RATED INPUT CURRENT (I1MAX)*	31,5A-39,5A
EFFECTIVE INPUT CURRENT (IIEFF)*	25,0A-31,0A
DUTY CYCLE 60% (10 MIN 40°C)*	400A
DUTY CYCLE 100% (10 MIN 40°C)*	310A
NO LOAD VOLTAGE	74V
CURRENT RANGE*	10A/400A
NET WEIGHT	28KG
DIMENSIONS	640X280X460MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,75
TIG TRIGGER CONNECTOR	12 PINS

\*(TIG/MMA)



GRAND TIG 400 AC DC PULSE is a three phase inverter power source suitable for TIG AC/DC and MMA welding. In MMA Mode Hot Start and Arc Force are adjustable in order to permit to the operator to work easily and with excellent results. Antisticking helps the welder stopping the welding current when the electrode is glued to the workpiece. In TIG DC all the main parameters are adjustable in order to obtain the best welding. TIG AC , with the possibility to modify the waveform, allows GRAND TIG 400 AC DC PULSE to weld easily and with great results Aluminium alloys from thin to very thick thicknesses. PULSE TIG permits high performance on ultra thin surfaces and reduces deformations.

It is equipped with temperature, voltage and current sensors for hight protection and it is designed to avoid failures due to voltage spikes as when using diesel generator. With 60% of duty cycle GRAND TIG 400 AC DC PULSE is a strong machine created for every kind of Tig application (petrolchemical plant, food industry, aluminum structures, etc).

## GRAND TIG 400 AC/DC PULSE

