

Genesis 2200 AC/DC

Welding process

- MMA stick welding
- TIG DC Lift and HF start welding
- TIG AC welding
- TIG MIX AC/DC welding

Materials

- Carbon steels
- Stainless steels
- Aluminum and aluminum alloys
- Nickel and nickel alloys
- Copper and copper alloys
- Titanium and titanium alloys
- Cast irons

Applications

















- Light job shop fabrication
- Boiler and tank construction
- Building sites
- Shipyards
- Automobile industry
- Motorcycle industry
- Cycle industry
- Nuclear industry
- Military industry

- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Repair and overhaul
- Vehicle bodywork repair
- Pipeline construction

Technical features

- "Green@wave" inverter technology for high energy efficiency and perfect control over all welding phases
- Heavy duty and enviromental conditions, high service life
- Selco CAN fieldbus digital communication protocol system (very high speed and high reliability digital communication)
- Software based controls can be upgraded as new features become available
- Reduced dimensions and compact construction
- High temperature, shockproof, abrasion resistant plastic case
- Air flow ducting and fully encapsulated PC board to avoid dust contamination
- Energy-saving inverter technology (built-in P.F.C. - power factor controller)
- Full digital and user-friendly LCD graphic display control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- Totally programmable user interface
- Control of several welding units over Ethernet
- Totally welding process remote programming and management by PC network
- Ideal for stick welding with all types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)

- Bi-Level operating mode
- Pulsed and fast pulsed operating mode (2500Hz)
- AC waveform selection (Square, Triangle, Sinusoidal, Mixed)
- AC frequency adjustment
- Precise arc striking and high stability arc (fuzzy logic)
- Electrode tip rounding controlled by easy rounding functionality
- Easy joining
- Manual restart or downslope stop functions
- “Extra energy” setting for deeper penetration
- Lock-unlock function key protected by password
- User-defined welding program storage capability (64 free memory locations)
- Power source trolley for easy system manoeuvrability
- Forgiving arc for a low noise welding operations
- Linear controlled fan on demand
- Dinse connector, 50/70mm²
- Digital TIG torch compatible
- Remote control compatible
- Selco WU cooling unit compatible
- Controlled cooling operations

Genesis 2200 AC/DC			P	X%			P.F.	I₂	U_o	IP	 mm l x w x h	 Kg
	1x230V TIG	20A	6,4kVA 6,4kW	40°C	35%	220A	1,00	3-220A	80V	23S	500x190x400mm	18,8kg
				40°C	60%	170A						
				40°C	100%	150A						
				25°C	60%	220A						
				25°C	100%	180A						
			P	X%			P.F.	I₂	U_o	IP	 mm l x w x h	 Kg
	1x230V MMA	20A	6,4kVA 6,4kW	40°C	35%	180A	1,00	3-180A	80V	23S	500x190x400mm	18,8kg
				40°C	60%	150A						
				40°C	100%	130A						
				25°C	60%	180A						
				25°C	100%	160A						
			P	X%			P.F.	I₂	U_o	IP	 mm l x w x h	 Kg
	1x115V TIG	30A	6,4kVA 6,4kW	40°C	35%	180A	1,00	3-180A	80V	23S	500x190x400mm	18,8kg
				40°C	60%	140A						
				40°C	100%	130A						
				25°C	100%	180A						
			P	X%			P.F.	I₂	U_o	IP	 mm l x w x h	 Kg
	1x115V MMA	30A	6,4kVA 6,4kW	40°C	35%	130A	1,00	3-130A	80V	23S	500x190x400mm	18,8kg
				40°C	60%	110A						
			40°C	100%	90A							
			25°C	100%	130A							

Cooling units

			P		IP	 mm l x w x h	 Kg
WU 1000	WU 1000	48V	0,6kW	2,0l	23S	480x190x180mm	8,8kg