



Welding process

- MMA (Electrode)
- TIG DC Lift and HF start

Materials

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

Applications

- Medium-heavy job shop fabrication
- Boiler and tank construction
- Plants machinery construction
- Automobile industry
- Cycle industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Pipeline construction
- Workshops



Technical features

- "greenWave" inverter technology for high energy efficiency and perfect control over all welding phases
- Heavy duty and environmental conditions, high service life
- 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
- Airflow 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
- Back-up/Restore automatic
- User-defined welding program storage capability (240 free memory locations)
- 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 multiple 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)
- Easy joining
- Manual restart or downslope stop functions
- Lock-unlock function key protected by password
- Power source trolley for easy system manoeuvrability
- Forgiving arc for a low noise welding operations
- Linear controlled fan on demand
- Current socket (panel) 50/70 mm²
- Digital TIG torch compatible
- Remote control compatible
- WU cooling unit compatible
- Controlled cooling operations

Power source

			P	X%	P.F.	I₂	U_o	IP	mm l x w x h	△Kg	
URANOS NX 3200 TLH	3x400V	16A	13,0kVA 12,4kW	40°C 40%	0,95	3-320A	75V	23S	620x240x460mm	26,0kg	
				40°C 60%							300A
				40°C 100%							270A
				25°C 65%							320A
	25°C 100%	270A									
	3x230V	25A	13,3kVA 12,8kW	40°C 30%	0,96	3-320A	75V	23S			
				40°C 60%							270A
				40°C 100%							250A
25°C 65%				320A							
25°C 100%	250A										

Cooling unit

		P		IP	mm l x w x h	△Kg
WU 2000	360Vdc	1,0 kW	3,0l	23S	660x240x220mm	12,0 kg

CONFIGURATIONS

URANOS NX 3200 TLH - LCD 3,5" - TIG welding configuration - Gas

AC

55.07.044	URANOS NX 3200TLH 3x230-3x400V LCD3.5"	A
71.03.079	POWER SOURCE TROLLEY GT 400	A
81.32.158	ST 2200 U/D TIG WELDING TORCH - 4m - AIR COOLED	A
71.05.013	WORK CABLE - 50mm ² - L.4m	A

URANOS NX 3200 TLH - LCD 3,5" - TIG welding configuration - Water

AC

55.07.044	URANOS NX 3200TLH 3x230-3x400V LCD3.5"	A
71.03.076	COOLING UNIT WU 2000	A
71.03.079	POWER SOURCE TROLLEY GT 400	A
81.32.558	ST 3000 U/D TIG WELDING TORCH - 4m - LIQUID COOLED	A
71.05.013	WORK CABLE - 50mm ² - L.4m	A