

**Welding process**

- MMA (Electrode)
- TIG DC Lift and HF start
- TIG AC
- TIG MIX AC/DC

**Materials**

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

**Applications**






- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Light job shop fabrication</li> <li>• Medium-heavy job shop fabrication</li> <li>• Boiler and tank construction</li> <li>• Building sites</li> <li>• Shipyards</li> <li>• Plant machinery construction</li> </ul> | <ul style="list-style-type: none"> <li>• Automobile industry</li> <li>• Motorcycle industry</li> <li>• Cycle industry</li> <li>• Nuclear industry</li> <li>• Military industry</li> <li>• Aeronautics and Aerospace industry</li> <li>• Food industry</li> </ul> | <ul style="list-style-type: none"> <li>• Chemical industry</li> <li>• Repair and overhaul</li> <li>• Repair and overhaul</li> <li>• Chassis</li> <li>• Pipeline construction</li> </ul> |
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**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
- 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
- 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)
- AC wave form selection (Square, Triangle, Sinusoidal, Mixed)
- AC frequency adjustment 200Hz
- Precise arc striking and high stability arc (fuzzy logic)
- Electrode tip rounding controlled by easy rounding functionality
- Easy joining
- Manual restart or down slope stop functions
- "Extra energy" setting for deeper penetration
- 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 mm<sup>2</sup>
- Digital TIG torch compatible
- Remote control compatible
- WU cooling unit compatible
- Controlled cooling operations

# URANOS NX 2700/3200 AC/DC

## Power source

			<b>P</b>	<b>X%</b>	<b>P.F.</b>	<b>I<sub>2</sub></b>	<b>U<sub>o</sub></b>	<b>IP</b>	 mm l x w x h	 Kg
URANOS NX 2700 AC/DC	3x400V	16A	10,9kVA 10,4kW	40°C 40% 270A 40°C 60% 250A 40°C 100% 230A 25°C 100% 270A	0,95	3-270A	80V	23S	620x240x460mm	27,0kg
	3x230V	20A	11,1kVA 10,6kW	40°C 40% 270A 40°C 60% 240A 40°C 100% 220A 25°C 100% 270A	0,96	3-270A	80V	23S	620x240x460mm	27,0kg
URANOS NX 3200 AC/DC	3x400V	16A	13,8kVA 13,1kW	40°C 40% 320A 40°C 60% 300A 40°C 100% 270A 25°C 65% 320A 25°C 100% 290A	0,95	3-320A	80V	23S	620x240x460mm	27,5kg
	3x230V	25A	14,3kVA 13,6kW	40°C 30% 320A 40°C 60% 270A 40°C 100% 250A 25°C 65% 320A 25°C 100% 250A	0,96	3-320A	80V	23S	620x240x460mm	27,5kg

## Cooling unit

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

## CONFIGURATIONS

### URANOS NX 2700 AC/DC - LCD 3,5" - TIG welding configuration - Gas

AC

55.08.051	URANOS NX 2700AC/DC 3x230-3x400V LCD 3.5"	A
71.03.079	POWER SOURCE TROLLEY GT 400	A
81.32.158	ST 2200 U/D TIG WELDING TORCH - 4m - AIR COOLED	A
71.05.012	WORK CABLE - 35mm <sup>2</sup> - L.4m	A

### URANOS NX 2700 AC/DC - LCD 3,5" - TIG welding configuration - Water

AC

55.08.051	URANOS NX 2700AC/DC 3x230-3x400V LCD 3.5"	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
71.05.012	WORK CABLE - 35mm <sup>2</sup> - L.4m	A

### URANOS NX 3200 AC/DC - LCD 3,5" - TIG welding configuration - Water

AC

55.08.053	URANOS NX 3200AC/DC 3x230-3x400V LCD 3.5"	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 <sup>2</sup> - L.4m	A