

TERRA NX 270 TLH

Equipment for TIG DC HF welding. Inverter technology.
Three-phase power supply.



HIGHLIGHTS

- » Full digital control panel with LED display.
- » TIG DC HF welding with 4 proprietary welding processes by Böhler Welding.
- » Compact and lightweight.

EQUIPMENT	
Power source	TERRA NX 270 TLH
Cooling unit	WU 130
Torch - Air Cooled	ST 2200 (Standard - U/D) / ST 2200 FX (Standard - U/D)
Torch - Liquid Cooled	ST 2500 (Standard - U/D) / ST 2500 FX (Standard - U/D) / ST 2500 MP (Standard - U/D) ST 3000 (Standard - U/D) ST 3000 FX (Standard - U/D) / ST 3000 MP (Standard - U/D)
WELDING TECHNOLOGIES	
TIG DC Processes	DcDrive / DcPulse / FastPulse / EasyArc by Böhler Welding
MMA	✓
Main TIG functions	Easy Joining / Spot Welding / Pulse Slope

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TECHNICAL FEATURES	
Inverter technology	Inverter ThreeLevel® by Böhler Welding
Communication	CANBUS Digital communication 500 Kbs
Software upgrade	Proprietary software
Validation program	Included
User panel	Led-based
Welding parameters display A/V	Digital

TECH DATA			
TERRA NX	270 TLH		
Dimensions	500x190x400mm	Slow blow line fuse	16 A
Weight	16.1kg	Open circuit voltage	70Vdc
Power supply (50/60 Hz)	3x400V±15%	IP protection rate	IP23S
Maximum Input Power	14.0 kVA	Insulation Class	H
Maximum Input current	9.7 A	Power supply cable	4x2.5 mm ² - 5 m
Efficiency	85%	cosφ	0.99
Power Factor (P.F.)	0.70	Adjustment range	3-270 A
Duty cycle TIG - 40 °C	60% - 270A 100% - 250A	Duty cycle TIG - 25 °C	100% - 270A
WU	WU 130		
Dimensions	480x190x180 mm	Power	0.7 kW
Weight	8.8 kg	Cooling liquid	2.0 l
Power supply	48 Vdc	IP protection rate	IP23S
Torches - Air cooled	ST 2200 (all versions)	ST 2200 FX (all versions)	
Duty cycle	35% 180A	35% 180A	
Diameter	0.5÷4.0 mm	0.5÷4.0 mm	
Cable length	4-8 m	4-8 m	
	ST 2500 (all versions)	ST 2500 FX (all versions)	ST 2500 MP (all versions)
Duty cycle	100% 225A	100% 225A	100% 225A
Diameter	0.5÷4.0 mm	0.5÷4.0 mm	0.5÷4.0 mm
Cable length	4-8 m	4-8 m	4-8 m
Torches - Liquid cooled	ST 3000 (all versions)	ST 3000 FX (all versions)	ST 3000 MP (all versions)
Duty cycle	100% 280A	100% 250A	100% 250A
Diameter	0.5÷4.0 mm	0.5÷4.0 mm	0.5÷4.0 mm
Cable length	4-8 m	4-8 m	4-8 m