

TERRA NX 320 SMC

Equipment for MIG/MAG welding. Inverter technology.
Three-phase power supply.



HIGHLIGHTS

- » MIG/MAG welding with 2 proprietary welding processes by Böhler Welding.
- » Built-in wire feeder unit.
- » Up to 240 personalized programs (jobs).

EQUIPMENT	
Power source	TERRA NX 320 SMC
Master Software	MS Terra NX SMC/MSE (STEELDRIVE)
Cooling unit	WU 330
Trolley	GT 500 / GT 700
Torch - Air Cooled	MT 350 G / MT 350 G U/D (STEELDRIVE)
Torch - Liquid Cooled	MT 440 W / MT 440 W U/D (STEELDRIVE) / PP PLUS 401D

WELDING TECHNOLOGIES			
WF NX	CLASSIC	SMART	STEELDRIVE
MIG/MAG Processes	ArcDrive	ArcDrive	ArcDrive / RapiDeep
MMA	✓	✓	✓
TIG DC LIFT	✓	✓	✓
Welding programs	-	18	600 (max)
Personalized programs (jobs)	-	-	240
Main MIG/MAG functions	Welding Speed / Arc Dynamic / Spot Welding	Welding Speed / Arc Dynamic / Spot Welding	Welding Speed / Arc Dynamic / Crater Filler / Spot Welding / Mig Bi-Level

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TECHNICAL FEATURES	
Inverter technology	Inverter ThreeLevel® by Böhler Welding
Communication	CANBUS Digital communication 500 Kbs
Wire feeder technology	4 rolls motorgear by Böhler Welding
Wire spool diameter	D 200/300 mm
Software upgrade	Proprietary software
Validation program	Included
User panel	Led (CLASSIC-SMART) / Colour 3,5" graphic LCD display (STEELDRIVE)
Welding parameters display A/V	Digital

TECH DATA			
TERRA NX	320 SMC		
Dimensions	690x290x510mm	Slow blow line fuse	20 A
Weight	33.0kg	Open circuit voltage	61Vdc
Power supply (50/60 Hz)	3x400 ±15%	IP protection rate	IP23S
Maximum Input Power	14.8 kVA	Insulation Class	H
Maximum Input current	21.4 A	Power supply cable	4x2.5 mm ² - 5 m
Efficiency	89%	cosφ	0.99
Power Factor (P.F.)	0.74	Adjustment range	3-320 A
Duty cycle MIG/MAG - 40 °C	45% - 320A 60% - 280A 100% - 240A	Duty cycle MIG/MAG - 25 °C	80% - 320A 100% - 280A
WF NX	CLASSIC	SMART	STEELDRIVE
Wire drive unite power	90W	90W	120W
Wire speed	0.5 - 22.0 m/min	0.5 - 22.0 m/min	0.5 - 22.0 m/min
N° rolls	4	4	4
Wire spool diameter	D 200/300 mm	D 200/300 mm	D 200/300 mm
WU	WU 330		
Dimensions	705x305x250 mm	Power	1.0 kW
Weight	15.0 kg	Cooling liquid	5.5 l
Power supply	1x400 Vdc	IP protection rate	IP23S
Torches - Air cooled	MT 350 G / 350 G U/D		
Duty cycle ArCO ₂	60% 310A		
Wire diameter	0.8+1.6 mm		
Cable length	3-4 m		
Torches - Liquid cooled	MT 440 W / 440 W U/D		
Duty cycle ArCO ₂	100% 450A		
Wire diameter	0.8+1.6 mm		
Cable length	3-4 m		