

TERRA NX 320 PMC SteelDrive

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



HIGHLIGHTS

- » User panel with 3,5" LCD graphic colour display.
- » MIG/MAG and pulsed MIG/MAG welding with 4 proprietary welding processes by Böhler Welding.
- » Up to 600 Böhler Arc welding programs.



EQUIPMENT	
Power source	TERRA NX 320 PMC SteelDrive
Master Software	MS Terra NX PMC/PME
Cooling unit	WU 430
Trolley	GT 500 / GT 700
Torch - Air Cooled	MT 350 G / MT 350 G U/D
Torch - Liquid Cooled	MT 440 W / MT 440 W U/D / PP PLUS 401D

WELDING TECHNOLOGIES	
MIG/MAG Processes	ArcDrive / RapiDeep / PulsDrive / QuickPulse by Böhler Welding
MMA	✓
TIG DC LIFT	✓
Welding programs	Böhler Arc / Universal Arc - 600
Personalized programs (jobs)	240
Main MIG/MAG functions	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	Colour 3,5" graphic LCD display
Welding parameters display A/V	Digital

TECH DATA			
TERRA NX	320 PMC SteelDrive		
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 mm² - 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			
Wire drive unite power	120W		
Wire speed	0.5 - 22.0 m/min		
N° rolls	4		
Wire spool diameter	D 200/300 mm		
WU	WU 430		
Dimensions	705x305x250 mm	Power	1.25 kW
Weight	16.0 kg	Cooling liquid	3.0 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		