

TERRA NX 320 MSE

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



HIGHLIGHTS

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



EQUIPMENT	
Power source	TERRA NX 320 MSE
Master Software	MS Terra NX SMC/MSE (STEELDRIVE)
Wire feeder	WF NX 230 Classic / WF NX 330 Classic / WF NX 430 Classic WF NX 230 Smart / WF NX 330 Smart / WF NX 430 Smart WF NX 230 SteelDrive / WF NX 330 SteelDrive / WF NX 430 SteelDrive
Cooling unit	WU 230
Trolley	GT 150 / GT 350 / GT 400 / GT 400 WF / GT 600 / GT 600 WF
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 MSE		
Dimensions	620x240x460mm	Slow blow line fuse	25 A
Weight	20.2kg	Open circuit voltage	61Vdc
Power supply (50/60 Hz)	3x400V±15%	IP protection rate	IP23S
Maximum Input Power	16.2 kVA	Insulation Class	H
Maximum Input current	23.2 A	Power supply cable	4x2.5 mm ² - 5 m
Efficiency	88%	cosφ	0.99
Power Factor (P.F.)	0.68	Adjustment range	3-320 A
Duty cycle MIG/MAG - 40 °C	50% - 320A 60% - 310A 100% - 260A	Duty cycle MIG/MAG - 25 °C	90% - 320A 100% - 310A
WF NX	230 (all versions)	330 (all versions)	430 (all versions)
Dimensions	470x170x430 mm	660x280x390 mm	640x250x460mm
Weight	8.8 kg	13.0 kg	19.0 kg
Wire drive unite power	90W (120W STEELDRIVE)	90W (120W STEELDRIVE)	90W (120W STEELDRIVE)
Wire speed	0.5 - 22.0 m/min	0.5 - 22.0 m/min	0.5 - 22.0 m/min
N° rolls	2	4	4
Wire spool diameter	D 200 mm	D 200/300 mm	D 200/300 mm
WU	WU 230		
Dimensions	660x240x220 mm	Power	1.0 kW
Weight	12.0 kg	Cooling liquid	3.0 l
Power supply	1x400 Vac	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		