

TERRA NX 500 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 500 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 - Liquid Cooled	MT 440 W / MT 440 W U/D(STEELDRIVE) / MT540 W / MT 540 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

TERRA NX 500 MSE

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	500 MSE		
Dimensions	620x240x460mm	Slow blow line fuse	40 A
Weight	27.3kg	Open circuit voltage	61Vdc
Power supply (50/60 Hz)	3x400V±15%	IP protection rate	IP23S
Maximum Input Power	29.7 kVA	Insulation Class	H
Maximum Input current	42.1 A	Power supply cable	4x6 mm ² - 5 m
Efficiency	90%	cosφ	0.99
Power Factor (P.F.)	0.74	Adjustment range	3-500 A
Duty cycle MIG/MAG - 40 °C	50% - 500A 60% - 470A 100% - 420A	Duty cycle MIG/MAG - 25 °C	80% - 500A 100% - 470A
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 - Liquid cooled	MT 440 W / 440 W U/D	MT 540 W / 540 W U/D	
Duty cycle ArCO ₂	100% 450A	100% 550A	
Wire diameter	0.8+1.6 mm	0.8+1.6 mm	
Cable length	3-4 m	3-4 m	