

TERRA NX 500 PME

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 500 PME
Master Software	MS Terra NX PMC/PME
Wire feeder	WF NX 230 SteelDrive / WF NX 330 SteelDrive / WF NX 430 SteelDrive
Cooling unit	WU 430
Trolley	GT 500 / GT 500 WF / GT 700 / GT 700 WF
Torch - Liquid Cooled	MT 440 W / MT 440 W U/D / MT540 W / MT 540 W U/D / MB 501 DGMIG / 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	500 PME		
Dimensions	690x290x510mm	Slow blow line fuse	40 A
Weight	32.5kg	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 SteelDrive	330 SteelDrive	430 SteelDrive
Dimensions	470x170x430 mm	660x280x390 mm	640x250x460mm
Weight	8.8 kg	13.0 kg	19.0 kg
Wire drive unite power	120W	120W	120 W
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 430		
Dimensions	705x305x250 mm	Power	1.4 kW
Weight	15.0 kg	Cooling liquid	5.5 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	MB 501 DGMIG
Duty cycle ArCO ₂	100% 450A	100% 550A	100% 450A
Wire diameter	0.8+1.6 mm	0.8+1.6 mm	0.8+1.6 mm
Cable length	3-4 m	3-4 m	4-8 m