

# TERRA NX 320 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 320 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 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
Torch - Liquid Cooled	MT 440 W / MT 440 W U/D / MB 240 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

# TERRA NX 320 PME

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 PME		
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 <sup>2</sup> - 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 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 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 <sub>2</sub>	60% 310A		
Wire diameter	0.8+1.6 mm		
Cable length	3-4 m		
Torches - Liquid cooled	MT 440 W / 440 W U/D	MB 240 DGMIG	
Duty cycle ArCO <sub>2</sub>	100% 450A	100% 270A	
Wire diameter	0.8+1.6 mm	0.8+1.2 mm	
Cable length	3-4 m	3-4 m	