

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 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 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 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 | MB 240 DGMIG | |
| Duty cycle ArCO ₂ | 100% 450A | 100% 270A | |
| Wire diameter | 0.8+1.6 mm | 0.8+1.2 mm | |
| Cable length | 3-4 m | 3-4 m | |