


# Phoenix 401 Progress puls HP MM FKW

090-005404-00502

## MULTIMATRIX



- Compact inverter welding machine with integrated wire feed mechanism
- **Welding procedures and functions**
- Equipped at no extra charge with EWM Synergic characteristics for forceArc, forceArc puls, rootArc, rootArc puls and superPuls
- Equipped at no extra charge with Synergic characteristics for GMAW welding of steel/CrNi/aluminium
- Suitable for MMA welding, TIG welding and gouging at no extra charge
- Individually configurable programs for each welding task (JOB)
- Adjustable start and end-crater functions
- Infinitely adjustable arc dynamics (choke effect)
- Synergic or manual welding operation
- **Your benefits**
- No need to purchase additional characteristics – all characteristics for this machine type are included in the scope of delivery ex works
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- Wire spool diameter up to 300 mm/D300, 200 mm/D200 possible with adapter
- Energy-saving thanks to high efficiency and standby function
- Connection capability for remote control and function torch
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- Optional network connectivity with ewm Xnet software via LAN or WiFi gateway
- PC interface for PC300 XQ software
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank
- Free WPQR package for certification up to and including EXC2 in accordance with EN 1090 and for welding of unalloyed steels up to and including S355

Version	Phoenix 401
Setting range for welding current	5 A - 400 A
Duty cycle 40 °C	400 A / 100 %
Open circuit voltage	79 V
Mains voltage	-25 %
Mains frequency	50 Hz / 60 Hz
Mains voltage	3 x 400 V
Tolerances	-25 % up to +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	23.6 kVA
Wire feed speed	0.5 m/min - 25 m/min 19.68 ipm - 944.88 ipm
Factory-installed roll equipment	1,0-1,2 mm UNI / Steel
Spool diameter	D200/D300
Torch connection	Euro torch connector
Cooling capacity at 1 l/min.	1000 W
Pump pressure	3.5 bar
Tank capacity	12.5 l
Protection classification	IP23
Safety marking	
EMC class	A

Dimensions (L x B x H)

1085 mm x 450 mm x 1003 mm

42.7 inch x 17.7 inch x 39.5 inch

Standards

IEC 60974-1, -2, -5 and -10 CL.A