


DATA SHEET

Phoenix 355 Expert 2.0 puls MM TKM





090-005445-00502



- Compact inverter welding machine with integrated wire feed mechanism
- Expert 2.0 control with intuitive user guidance via LCD panel and plain text display of all welding parameters and functions
- **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
- rootArc –
- Short arc with good modelling properties for easy gap-bridging and positional welding
- |forceArc –
- Low-heat, directionally stable and powerful arc with deep penetration for the upper power range
- |Pulsed arc –
- Controlled, short circuit-proof pulsed arc for all positions, especially in the transitional arc area
- 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
- Gas cooled or optionally water cooled with cool 50 U40 cooling unit
- 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
- High open circuit voltage for excellent ignition characteristics
- Energy-saving thanks to high efficiency and standby function
- Connection capability for remote control and function torch
- Easy, tool-free change of welding polarity
- Insulated wire space
- IP23 spray water protected
- PC interface for PC300 XQ software
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 5-litre water tank (cool50 cooling unit)
- Delivery includes practical torch holder
- 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

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Version	Phoenix 355 Expert 2.0 puls
Setting range for welding current	5 A - 350 A
Duty cycle 40 °C	350 A / 40 % 300 A / 60 % 270 A / 100 %
Open circuit voltage	79 V
Mains voltage	3 x 400 V
Tolerances	-25 % up to +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	18.8 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
Protection classification	IP23
Test mark	   
EMC class	A
Dimensions (L x B x H)	636 mm x 298 mm x 482 mm 25 inch x 11.7 inch x 19 inch
Weight	36.2 kg / 79.8 lbs
Standards	IEC 60974-1, -5 and -10 CL.A