

## Phoenix 355 Expert 2.0 puls MM TKM

090-005445-00502

### MULTIMATRIX



- Expert 2.0 control with intuitive user guidance via LCD panel and plain text display of all welding parameters and functions
- Compact inverter welding machine with integrated wire feed mechanism
- Pre-configured languages for control menu: English, German, French, Italian, Dutch, Polish, Danish, Latvian, Russian, Spanish, Czech, Brazilian Portuguese, Swedish, Turkish, Hungarian, Romanian
- Excellent Multimatrix welding characteristics
- Modular (gas- or water-cooled)
- Synergic or manual welding operation
- 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
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- 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
- Infinitely adjustable arc dynamics (choke effect)
- Equipped for 1.0 mm + 1.2 mm steel wire
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 5-litre water tank (cool50 cooling unit)
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- High mains voltage tolerances and therefore fully generator-compatible
- IP23 spray water protected
- Connection capability for remote control and function torch
- Trolley 55-5 trolley and cool50 cooling unit available
- **Scope of supply includes welding machine only; other components such as wire feeder and cooling unit can be selected from accessories!**

	MIG/MAG	TIG	MMA
Setting range for welding current		5 A - 350 A	
Duty cycle at ambient t.e		40 °C	
40 %		350 A	
60 %		300 A	
100 %		270 A	
Open circuit voltage		80 V	
Mains frequency		50 Hz / 60 Hz	
Mains fuses (slow-blow)		3 x 16 A	
Mains voltage (tolerances)		3 x 400 V (-25 % - +20 %)	
Max. connected load	13.9 kVA	10.6 kVA	15 kVA
Recommended generator power	18.8 kVA	14.3 kVA	20.3 kVA
cos φ		0.99	
Efficiency		88 %	
Dimensions machine, LxWxH in mm		625 x 300 x 480	
Weight, machine		33 kg	
Weight, cooling unit		16.5 kg	
Protection classification		IP 23	

Cooling output	1000 W (1l/min)
Tank capacity	5 l
Flow rate	5 l/min
Max. output pressure	3.5 bar
Standards	IEC 60 974-1; -2; -10