DATA SHEET

Phoenix XQ 500 puls DW EX

090-005645-00052



- MIG/MAG inverter welding machine including Expert XQ 3.0 control, pulse, with separate wire feeder
- Perfect MIG/MAG weld seams even with long welding leads
- Synergic control with one-knob operation
- **No need to purchase additional characteristics – all characteristics for this machine type are included in the scope of delivery ex works**
  - With innovative EWM Synergic characteristics rootArc® XQ/rootArc® puls XQ, forceArc® XQ/forceArc® puls XQ, pulse/superPuls and Positionweld for aluminium
  - To find out more about our high-tech MIG/MAG arcs, please click on XQ-Process
  - Synergic characteristics for MIG/MAG standard or pulsed welding for steel/CrNi/aluminium
  - Synergic characteristics for flux-cored wires
  - Non Synergic operation for manual setting of welding parameters
  - Also suitable for MMA welding, TIG welding and gouging
  - Individually configurable programs for JOBs (welding tasks)
  - Adjustable start and end-crater functions
  - Infinitely adjustable arc dynamics (choke effect)
- **Your benefits**
  - flexFit casing system: Many accessory parts and options can be fixed to the welding machine using conventional slot nuts
  - LED information bar: Indicates the current operating status
  - Drive XQ / Drive XQ IC 200 with high-precision, powerful EWM eFeed 4-roll drive to reliably feed all solid and flux cored wires
  - Energy-saving thanks to high efficiency and standby function
  - Best suited for use with long hose packages
  - Connection capability for remote control and function torch
  - Easy, tool-free change of welding polarity
  - Insulated wire space
  - IP23 spray water protected
  - Optional network connectivity with the ewm Xnet software via an integrated or external gateway
  - PC interface for PC300 XQ software
  - The high 1500 W cooling capacity, high-performance centrifugal pump and 8-litre coolant tank make for excellent torch cooling, resulting in cost savings on consumables
  - 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 XQ 500 puls DWEX3.0 R1 5m
Setting range for welding current	5 A - 500 A
Duty cycle 40 °C	500 A / 80 %
	470 A / 100 %
Open circuit voltage	82 V
Mains voltage (ex works)	3 x 380 V - 400 V
Mains voltage (possible)	3 x 440 V - 460 V
Mains voltage (possible)	3 x 480 V - 500 V
Mains tolerances (ex works)	-25 % up to +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	33.2 kVA
Efficiency	90 %
Power consumption Pi	26 W
Cooling capacity at 1 l/min.	1500 W
Pump pressure	3.5 bar
Tank capacity	8 l
Protection classification	IP23
Test mark	CE UKCA EAC S
EMC class	A
Dimensions (L x B x H)	1152 mm x 686 mm x 976 mm
	45.4 inch x 27 inch x 38.4 inch
Weight	125.5 kg / 276.7 lbs
Standards	IEC 60974-1, -2 and -10 CL.A

Configurations

Item no.	Designation
090-005645-00000	Phoenix XQ 500 puls D. Multiprocess MIG/MAG pulse welding machine including all characteristics and welding processes,
092-003303-00000	OW F06W. Water cooling
092-003316-00000	OW F06R1. Wheel kit with single cylinder mount
092-003349-00000	OW MCord 6 mm² 5m. Mains connection lead, 5 m
092-004768-00000	OW Expert 3.0 MIG/MAG. Expert 3.0 control

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