Inverter welding machine, DC, water-cooled
Microplasma welding
Portable, external water cooling (cooling unit required!)
5 m mains supply lead with 16 A shock-proof plug

<table>
<thead>
<tr>
<th>Setting range for welding current</th>
<th>Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot arc current</td>
<td>0.1 A - 20 A</td>
</tr>
<tr>
<td>Duty cycle at ambient t.e</td>
<td>1 A - 10 A</td>
</tr>
<tr>
<td>100 %</td>
<td>40 °C</td>
</tr>
<tr>
<td>Open circuit voltage</td>
<td>20 A</td>
</tr>
<tr>
<td>Mains frequency</td>
<td>95 V</td>
</tr>
<tr>
<td>Max. connected load</td>
<td>50 Hz / 60 Hz</td>
</tr>
<tr>
<td>Recommended generator power</td>
<td>0.9 kVA</td>
</tr>
<tr>
<td>Efficiency</td>
<td>1.2 kVA</td>
</tr>
<tr>
<td>Dimensions machine, LxWxH in mm</td>
<td>0.99</td>
</tr>
<tr>
<td>Weight, machine</td>
<td>86 %</td>
</tr>
<tr>
<td>Protection classification</td>
<td>520 x 550 x 480</td>
</tr>
<tr>
<td>Standards</td>
<td>IP 23</td>
</tr>
<tr>
<td>IEC 60 974-1; -3; -10 / S-Safety sign / EMC class A</td>
<td></td>
</tr>
</tbody>
</table>
Welding site equipment hdrZumPlasma

PWH 100 3 M
094-008232-00000

- Water-cooled plasma welding torch
- Greater load capacity of the plasma nozzles thanks to optimised cooling system
- Reduced operating costs, long service life of the plasma nozzles thanks to large, threadless retainer cone in the torch body and additional heat dissipation by means of the gas lens on the plasma nozzle
- Compact torch design and small torch head diameter for optimal handling with the best possible performance
- **Equipment as delivered:**
  - Gas nozzle: Ø 13.5 mm
  - Gas guide insert: Ø 1.5 mm
  - Fine-pore gas lens
  - Plasma nozzle Ø 1.4 mm
  - Collet chuck Ø 1.5 mm
  - Tungsten electrode, special Ø 1.5 mm

UK 500
090-008026-00504

- Cooling unit for water-cooled welding torches
- Cooling capacity: 1200 W, max. output pressure: 3.5 bar, 7 l tank capacity
- Dimensions LxBxH in mm, 485x390x385. Weight: 21 kg

KF 23E-10, -10
094-000530-00000

- Coolant (-10 °C), 9.3 l

FR21 14POL 5 M
094-000051-00000

- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Operating point setting directly at the site of welding
- For microplasma machine series

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https://www.ewm-group.com/

The content of this document has been prepared and reviewed with all reasonable care.
The information provided is subject to change, errors excepted.

29.01.2018
Welding site equipment hdrZumPlasma

WK25mm² 230A/60% 4m/K

- Completely assembled workpiece lead with terminal

Maxex Hydrogen

- Single-stage pressure regulator for measuring pressure
- Controller in front of gas metering units, for example

Maxex AR/MIX

- Single-stage pressure regulator for measuring pressure
- Controller in front of gas metering units, for example
- Cylinder pressure 200 bar
- Working pressure 0 - 10 bar

Gas hose

- Equipped with plastic nuts on both sides for tool-free assembly

UKV4SET 4M

- Hose connection set to connect a cooling unit

ADAP3 G1/4-G1/4 LKS

- Threaded adapter
Welding site equipment hdrZumPlasma

AG ELECTRODE
094-008262-00000
Accessories

PWH 100 3 M
094-008232-00000

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  - Collet chuck Ø 1.5 mm
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RK 2.1
094-002284-02000

- Bei Verwendung von Brennern über 150 A ist ein Rückkühlgerät mit verstärkter Pumpe notwendig!
- Leistungsfähiges Rückkühlgerät mit vollthermischem Motorkompressor
- Kühlleistung 2000 W
- Temperaturreglung und LED-Anzeige
- Anschlüsse hinten
- Kühlmittelablassventil und Kühlmittelstandanzeige
- Kühlleistung 2000 W, Tankinhalt 15,0 l
- Maße LxBxH in mm, 750x450x500. Gewicht: 85 kg

RK 1
094-002283-00000

- Bei Verwendung von Brennern über 150 A ist ein Rückkühlgerät mit verstärkter Pumpe notwendig!
### Accessories

**RK 3**

<table>
<thead>
<tr>
<th>RK 3</th>
<th>094-002285-00000</th>
</tr>
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<tbody>
<tr>
<td><img src="image" alt="RK 3" /></td>
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<tr>
<td><em>Kühlleistung 3200 W</em></td>
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<tr>
<td><em>Temperaturregung und LED-Anzeige</em></td>
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<tr>
<td><em>Kühlmittelablassventil und Kühlmittelstandanzeige</em></td>
<td></td>
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<tr>
<td><em>Kühlleistung 2700 W, Tankinhalt 15.0 l</em></td>
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**UK 500**

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**FR21 14POL 5 M**

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**FRP10 14POL 5m**

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<th>FRP10 14POL 5m</th>
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<tbody>
<tr>
<td><img src="image" alt="FRP10 14POL 5m" /></td>
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</tr>
<tr>
<td><strong>Robust metal casing with rubber feet, retaining clip and holding magnet</strong></td>
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**FRP15 14POL 5m**

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29.01.2018
## Accessories

### WK25mm² 230A/60% 4m FIX

398-000593-00000

- Completely assembled workpiece lead with original FIX clamp

### WK25mm² 230A/60% 4m/K

092-000016-00000

- Completely assembled workpiece lead with terminal

### Maxex AR/MIX

096-000000-00000

- Single-stage pressure regulator for measuring pressure
- Controller in front of gas metering units, for example
- Cylinder pressure 200 bar
- Working pressure 0 - 10 bar

### Maxex Hydrogen

096-000001-00000

- Single-stage pressure regulator for measuring pressure
- Controller in front of gas metering units, for example

### Gas hose

094-000010-00003

- Equipped with plastic nuts on both sides for tool-free assembly

### UKV4SET 4M

092-000587-00000

- Hose connection set to connect a cooling unit
Accessories

ADAP3 G1/4-G1/4 LKS
094-001652-00000

- Threaded adapter