**Speedtec® 405SP – Pulse**

**Speedtec® 505SP – Pulse**

**High output, reliable industrial machine**

The Speedtec® range is the solution for Industrial Multi-process applications. With modular and compact design this welding set is easy to move around site. Transport is trouble free thanks to the lower weight of this new design. With the latest high frequency inverter technology, the arc is precisely controlled, many times faster than conventional analogue power sources. The electrical characteristics of the welding power can be changed by software in real time updates. A wide range of synergic programs are available as standard allowing simple yet precise control of welding parameters for the best results every time. The Speedtec® machines utilise the very latest power source technology for efficiency and lower energy consumption. Their advanced Inverter technology will save both time as well as energy. Driven by Lincoln Electric’s Green Initiative, we aim to reduce the costs to you as well as the environment. These welding sets are available as 400A rated at 80% or 500A rated at 50% duty cycle (at 40°C). With the PF-46 wire feed unit the welding set can support the MIG processes with synergic programs for Steel, Stainless Steel, Aluminium and Flux cored wires. Lift TIG and Stick functions are available as standard.

**Features**

- Pulsed MIG process-great for low spatter, low heat input and out-of-position applications makes virtually any operator a better welder!
- Premium welding behaviour on CV MIG & Stick welding.
- Variable inductance control.
- Synergic capability.
- Job control with limits secured by a password (PF-46).
- Continuous control of wire feed speed and voltage.
- Remote control on the gun (PF-46 & optional for PF-44).
- Pre-setting (PF-41 excl.) & Multi procedure (PF-46).

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product</th>
<th>Item Number</th>
<th>Primary Voltage (50-60Hz)</th>
<th>Current Range [A]</th>
<th>Rated Output</th>
<th>Fuse Type</th>
<th>Circuit Breaker Type</th>
<th>Weight [kg]</th>
<th>Dimensions</th>
<th>Protection Class</th>
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<tbody>
<tr>
<td>Speedtec® 405SP</td>
<td>K34117-2</td>
<td>400V/3Ph</td>
<td>20-400A</td>
<td>400A/40V/80%</td>
<td>32A</td>
<td>90</td>
<td>535 x 300 x 635</td>
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<td>20-500A</td>
<td>500A/39V/60%</td>
<td>32A</td>
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**Recommended Wire Feeders**

- PF-41, PF-42, PF-44, PF-46

**Recommended packages include**

- PF-4X wire feeder
- Speedtec® power source
- COOL ARC® 46 for water cooled version
- Cart
- 5 m-Interconnection cable, MIG gun and gas regulator

**Key Options**

- K10349-PG(W)-xM Interconnection cables
- K10429-36-xM MIG gun LGS 360 G – 300A – 3/4/5 m
- K10429-505-xM MIG gun LGS 505 W – 450A – 3/4/5 m
- K14096-1 Cart Speedtec
- K14141-1 Cart Dual
- K14105-1 Water cooler COOL ARC® 46
- K10420-1 Coolant Acorox (2x5l)
- K14130-1 LACI (Lincoln Arlink Communication Interface)
- K14141-1 User Interface U2
- K14122-1 User Interface U4
- K14123-1 User Interface U6
- K14132-1 Adapter 5-pin(M)/12-pin(F)
- K14120-1 Kit 6-pin socket (F)

**Technical Specifications of Wire Feeders**

<table>
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<tr>
<th>Product</th>
<th>Item Number</th>
<th>Drive Roll</th>
<th>Cooling</th>
<th>Input Power</th>
<th>Output Power</th>
<th>WFS Range (m/min)</th>
<th>Wire Size Range (mm)</th>
<th>Weight [kg]</th>
<th>Dimensions</th>
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<td>PF-41</td>
<td>K34163-1</td>
<td>4</td>
<td>A/W</td>
<td>40V DC</td>
<td>500A@60%</td>
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<td>K34107-1</td>
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