



# ARC STUD WELDER

## Visar 1200 HBS



### DESCRIPTION / FEATURES

- Drawn arc stud welding
- Short cycle stud welding
- All-rounder for workshops and construction sites – whether with shielding gas or with ceramic ferrule
- Compact lightweight unit with power: 1,200 A but just 20.5 kg
- Extremely wide current setting range from 25 to 1,200 A
- USB port for saving and loading welding programs
- Comprehensive customer-specific setting options as well as detailed process optimization and control

### SPECIFICATIONS

|   |   |             |             |             |
|---|---|-------------|-------------|-------------|
| <b>Welding Process:</b> ARC, Short ARC, Inert Gas (for s/c and aluminum)                                  | <b>Technology:</b> Inverter   |             |             |             |
| <b>Equipment:</b> Welding with ceramic ferrule<br>Welding with shielding gas<br>Process control           | <b>Welding range:</b><br>M3 to M16, dia. 2 to 16 mm<br>#4 to 5/8", dia. 14 ga to 9/16"  |             |             |             |
| <b>Welding Material:</b> Mild steel, Stainless steel, Aluminum (w/gas #4 to 3/8"), M3 to M10 - #4 to 5/8" | <b>Current adjustment range:</b><br>25 to 1 200 A (stepless)  |             |             |             |
| <b>Welding rate</b><br>(Duty cycle *)   | <b>25 °C</b>  | <b>100%</b> | <b>50%</b>  | <b>35%</b>  |
|   | <b>F [studs/min]</b>  | <b>11</b>   | <b>16</b>   | <b>21</b>   |
|   | <b>t [ms]</b>   | <b>600</b>  | <b>600</b>  | <b>600</b>  |
|   | <b>I* [A]</b>   | <b>1200</b> | <b>1200</b> | <b>1200</b> |
|   | <b>U* [V]</b>   | <b>30</b>   | <b>30</b>   | <b>30</b>   |
|   | <p>* The term "duty cycle" refers to the ratio of welding duration to work pause of a stud welding unit. It describes the uninterrupted operating time of a unit over a period of 10 minutes. The largest possible studs are used in the test.<br/>           100% duty cycle=10 min. of continuous welding, no shutdown due to over temperature.<br/>           50% duty cycle=5 min. of welding followed by 5 min. pause.<br/>           35% duty cycle=3.5 min. of welding followed by 6.5 min. pause.</p> |             |             |             |

[www.sunbeltstudwelding.com](http://www.sunbeltstudwelding.com)

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**713-939-8903**  
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### SPECIFICATIONS (continued)

|   |   |
|---|---|
| <b>Welding Current:</b> 1 200 A (max.) at 50 V  | <b>Primary power:</b><br>200 to 600 V, 3 phases, 50/60 Hz   |
| <b>Welding time:</b> 5 to 1 500 ms (stepless)   | <b>IP Code:</b> IP 43   |
| <b>Cooling type:</b><br>F (temperature controlled cooling fan)  | <b>Dimensions L x W x H (without handle):</b><br>472.5 x 355 x 358 mm<br>18.60" x 13.98" x 14.09" |
| <b>Weight:</b> 20.5 kg / 45 lbs   | <b>Display:</b> Digital   |
| <b>Order Number:</b><br>93-66-0120 - USA<br>93-40-020 - Ground cable, 5 m, 25 mm <sup>2</sup> , 2x 10" vice grip<br>88-24-466 - Tool bag - (Accessories and welding gun are not included) |   |

### STUD WELDING GUNS

|  |
|--|
| A 16                                       |
| A 12 with gas shroud PSS-1/SC-1            |
| A 12 with shielding gas leg assembly PSS-2 |
| A 12-FL                                    |
| A 12 with ceramic leg assembly PSC-1       |

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