



ARC400 / 500 / 630



Features

- Machines are of small size, light weight, the easy and simple operation panel.
- Optional cable remote control control guarantees convenient remote operation.
- Key components adopted are all world top industrial brands to guarantee high reliability.
- Machines are equipped with over-heat and over-current protection.
- Excellent welding quality, optimum arc dynamic characteristics.
- Suitable for all acid electrodes, basic electrodes, stainless steel, low hydrogen electrodes; wide application in petrochemical engineering, electric power construction, shipping industry, steel structure, etc.
- ARC500 is with cellulose function and wide application in petroleum pipeline construction.

Specifications

Standard

- Hot start
- Arc force
- Arc gouging (ARC630)
- Lift-arc TIG (ARC400)
- O.C & O.H protection
- Cellulose (ARC500)
- Soft switching technology(ARC630)

Optional

- VRD
- Cable remote control

Accessories

Standard

- 2pcs quick plugs(ARC400/ARC500)
- 2pcs lugs and 1pc 500A earth clamp

Optional

- 500A earth clamp+-50mm²*3m cable+quick plug
- 500A electrode holder+-50mm²*3m cable+quick plug
- Cable remote control box



| | ARC400 Z245 | ARC400 Z312 | ARC500 Z398 | ARC630 Z321 |
|----------------------------------|----------------------|-------------|-------------|-------------|
| Input power source | 3~AC410V±15% 50/60Hz | | | |
| Rated input current (A) | 25.8 | 25.8 | 42.8 | 50 |
| Rated input power capacity (KVA) | 18.3 | 18.2 | 30.4 | 35.5 |
| Power factor (cosΦ) | 0.9 | 0.9 | 0.8 | 0.9 |
| Output current range (A) | 20-400 | 20-400 | 30-500 | 50-630 |
| Arc force range (A) | 0-240 | 0-100 | 0-230 | 0-220 |
| Hot start range (A) | 0-150 | 0-200 | 0-200 | 0-220 |
| No-load voltage (V) | 68 | 65 | VRD 9 77 | 85 |
| Rated duty cycle (%) @40°C | 60 | 60 | 60 | 60 |
| Efficiency (%) | 85 | 85 | 85 | 85 |
| Protection class | IP21S | IP21S | IP21S | IP21S |
| Insulation class | F | F | F | F |
| Dimensions (mm) | 592x297x523 | 360x150x270 | 655x370x485 | 661x340x625 |
| Weight (Kg) | 32 | 19 | 27.5 | 55 |

Remark: Z245 is of single IGBTs, others are of industrial modules.