

# Submerged ARC Series

## High Performance Inverter

# Ralli Wolf

## WS100 & WS125



### Features :

- IGBT Module inverter technology
- 1000A/44V, 100% duty cycle; max short circuit current is 1500A.
- Power devices (INFINEON) ensures high reliability.
- Unique control circuit guarantees balanced two sides output current.
- Complete protection including over-current, over-heat, phase loss, over/under voltage protections.
- Professional 3-proofing designs ensure well operation in extremely harsh environment.
- Wide application in Pre Engineer structures, boilers, wind power industry, pipe line and pressure vessels, projects & infrastructures etc.
- International Standard IEC 60974-1
- Welding Tractor complete with wire feeder motor, control panel, Flux Hopper & track.

### Specifications :

Standard

- SAW/ MMA/ Carbon ARC gouging
- CC SAW / CV SAW
- Adjustable Arc force & Hot start

### Accessories :

Standard

- Control box: MK-1 ,1pc • Welding tractor: AT-1, 1pc
- Control cable: 10\*0.75mm -15m, 1pc
- Welding cable: 70mm<sup>2</sup>-15m 2pcs • Earth cable: 70mm<sup>2</sup>-5m 2pcs
- Wheel-track: 300mm x 1000mm 2pcs

| PRODUCT TYPE                     | SAW-1000            | SAW-1250            |
|----------------------------------|---------------------|---------------------|
| MODEL                            | WS100               | WS125               |
| Input supply                     | 415V±10%, 3ph, 50Hz | 415V±10%, 3ph, 50Hz |
| Rated input current (A)          | 73.2                | 91.5                |
| Rated input power capacity (KVA) | 52                  | 65                  |
| Power factor (cos )              | 0.85                | 0.85                |
| No-load voltage (V)              | 79                  | 79                  |
| Rated output (A/V)               | 1000/44             | 1250/44             |
| Welding current (A)              | 100-1000            | 100-1250            |
| Arc start range (A)              | 0-500               | 0-500               |
| Arc force range (A)              | 0-580               | 0-580               |
| Rated duty cycle (%) @40°C       | 100                 | 80                  |
| Efficiency (%)                   | 91                  | 91                  |
| Protection class                 | IP-23               | IP-23               |
| Insulation class                 | H                   | H                   |
| Dimensions (mm)                  | 890X400X811         | 890X400X811         |
| Weight (Kg)                      | 115                 | 115                 |



Direct Current  
Output



50/60Hz Input  
Power Source



Forced  
Air Cooling



Energy Saving  
And Environment  
Friendly

## Ralli Engineering Ltd.

An ISO 9001:2015 Certified Organisation

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