

# The Allrounders RT 400 & RT 600

Thyristorised Welding Rectifier



- CONFORMS TO IS 4559
- HIGH CAPACITY
- MATCHLESS QUALITY
- ROBUST CONSTRUCTION
- EXCEPTIONAL RELIABILITY
- SUPERIOR WELDING PROPERTIES

POWERCON offers **RT series** of thyristorised Welding Rectifiers, for different types of welding application including **Pipe Welding**. Due to the robust construction with heavy underframe and two large, wheels, these sets are particularly suitable for **project site jobs**. Use of quality material and **Class 'H'** insulation ensures a long trouble free service life. A **near-ripple-free welding output** is obtained due to the optimally designed electronic circuit and the reactor, resulting in smooth welding with very little spatter.

Single range current control with provision for Remote control (optional), helps the operator in setting the desired current promptly and effortlessly.

Because of high capacity, the **RT 600** is suitable also for Gouging application.



## FEATURES

- Robust construction and optimum design.
- Immunity to input supply fluctuation of  $\pm 10\%$
- In-built hot start facility.
- Class 'H' insulation, in-built overload and thermostatic protection.
- High OCV with ideal external characteristic.
- Step-less single current range with optional remote control facility.
- TIG welding facility with suitable accessories.
- Low input rating.

## BENEFITS

- ◇ Suitable for both indoor and project site jobs even with long cables and cellulosic electrodes.
- ◇ Stable arc and quality welding.
- ◇ Easy arc striking.
- ◇ Longer coil life and total protection of the set
- ◇ Low spatter and high metal recovery.
- ◇ Precise current adjustment with increased operator convenience.
- ◇ Excellent TIG welding.
- ◇ Lower power cost and economy in welding.

**Quality**

**Performance**

**Economy**

# RT 400 & RT 600



## SPECIFICATION

| MODEL  | <i>RT 400</i>              | <i>RT 600</i>              |
|--|----------------------------|----------------------------|
| <b>INPUT</b>                                 |                            |                            |
| Supply Voltage                               | 415 V, 3 Phase<br>50 HZ AC | 415 V, 3 Phase<br>50 HZ AC |
| Rated KVA<br>(at 60% duty cycle)             | 23 KVA                     | 38 KVA                     |
| Input Current<br>(at rated output)           | 32 A                       | 53 A                       |
| <b>OUTPUT</b>                                |                            |                            |
| Open Circuit Voltage                         | 90 V (Max.)                | 90 V (Max.)                |
| Welding Current Range                        | 10 - 400 A DC              | 20 - 600 A DC              |
| Rated Welding Current<br>(at 60% duty cycle) | 300 A                      | 500 A                      |
| Welding Current<br>(at 100% duty cycle)      | 210 A                      | 380 A                      |
| <b>GENERAL</b>                               |                            |                            |
| Type of cooling                              | Natural Air                | Forced Air                 |
| Insulation Class                             | 'H'                        | 'H'                        |
| Protection Form                              | IP 2 3                     | IP 2 3                     |
| Weight (Approx.)                             | 195 Kg.                    | 195 Kg.                    |
| Dimension (Approx.)                          |                            |                            |
| Depth  | 830                        | 830                        |
| Width  | 700                        | 700                        |
| Height                                       | 1070                       | 1070                       |

POWERCON provides a wide range of Arc Welding Equipment for various welding processes. For more details please contact POWERCON.

POWERCON reserves the right to alter specifications without notice.



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