

IDEALARC R3R 500-I



THE TOTAL SOLUTION

The Idealarc R3R 500-I is Lincoln's premium stick welder. Producing a smooth and stable DC arc for welding a wide variety of materials including carbon, low alloy and stainless steels, as well as a forceful driving arc for gouging applications.

Applications include: field construction, shipbuilding, offshore oil platforms, water towers, storage tanks, pipeline welding, industrial shop fabrication and maintenance welding.

The R3R 500-I is especially suited for critical welding applications using low hydrogen and stainless steel electrodes. Featuring an arc with superior all position welding stability, which resists pop-outs, limits spatter and makes code quality welds and clear x-rays easier to attain.

The R3R 500-I Arc Force Control also adds to the operator appeal of these units. By simply adjusting the Arc Force Control, you can either create a soft welding arc for critical welding applications or a forceful driving arc for heavy duty welding and gouging applications.

Built to last - all weather protection features a totally enclosed control circuit compartment. Designed to IP-23 requirements. Submerged dipping of all transformer base assemblies in a special epoxy-based sealing/insulating enamel provides added protection against moisture or corrosive atmosphere such as salt air.

ADVANTAGE LINCOLN

- Great operator appeal.
- Despite input voltage or ambient temperature changes, the R3R 500-I compensates and continues to produce a quality, low spatter, smooth arc without pop-outs.
- R3R 500-I line voltage compensation holds the output constant with a $\pm 10\%$ input variation.
- Easy to operate. Calibrated current control knob makes procedure setting easy.
- The design provides long life and low cost operation.
- Smooth arc makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hardfacing electrodes.
- Stackable case design with built-in lift hook allows for easy storage and handling. Machines can safely be stacked three high to conserve floor space.
- All weather protection for field construction.
- Submersion dipped transformer assembly for added corrosion and moisture protection.
- Totally enclosed fan motor is permanently lubricated.
- Powder paint finish for increased durability.
- Fan-cooled for extra thermal protection.
- Designed to NEMA specifications.
- Australian made.
- 3 year warranty.

IDEALARC R3R 500-I

TECHNICAL SPECIFICATIONS

| Part Number | Description | Input Voltages | Rated input AS1966.1 | Duty Cycle | Output Range | Max OCV | Weight | Dimensions H x W x D |
|-------------|-------------|---------------------|----------------------|-------------------------------|--------------|---------|--------|----------------------|
| K1380A1 | R3R 500-I | 220/380/440/3/50/60 | 74/47/37A | 500A,40V@35% | 60-500A | 64 | 182kg | 699 x 566 x 840mm |
| K1380A7 | R3R 500-I | 415/3/50/60 | 30A | 400A,36V@60% 300A,32V@100% | | | | |

OPTIONS AVAILABLE

Remote Current Control - Portable current control provides the same dial range as the current control on the welder.

8.5m cable **Order K857**
30m cable **Order K857-1**

Accessory Kits

Consists of electrode and work cables, headshield, electrode holder and work clamp.

Order KIT1700 and KIT400

Undercarriage - Platform undercarriage with mountings for two gas cylinders at rear of welder.

Order KA1237

Undercarriage - A mounting frame with wheels for hand moving.

Order KA1236

TIG WELDING OPTIONS

TIG Module - Portable, high frequency unit with gas valve for TIG welding. Rated at 300 amps @ 60% duty cycle. **Order K930-2**

Water Valve Kit - For use with a water-cooled TIG torch. Controlled by the preflow and afterflow timers. Installs inside the TIG Module. **Order K844-1**

Amptrol™ - Provides 7.6m of remote current control for TIG welding. (6 pin MS-type plug connection).

Foot Amptrol **Order K870**

Hand Amptrol:

For use with LA-9, LA-17 and LW-20 torches. **Order K963-1**

For use with LA-26 and LW-18 torches. **Order K963-2**

Contact Kit - For use with the TIG Module. **Order K938-1**

Docking Kit - Secures TIG Module on top of R3R-I machines, or any flat surface at least 254 x 381mm. Mounts using strong grip adhesive pad or fasteners. Includes latch and provisions for a user-supplied padlock. **Order K939-1**

Control Cable - Connects the TIG Module to the R3R-I machine (9 to 6 plus 115V plug). **Order K936-3**

Your local Lincoln distributor is:

In line with company policy of continuing improvement, specifications are subject to change without notice. Packages include listed items.



The Lincoln Electric Company (Australia) Pty Ltd

35 Bryant St, Padstow, NSW, 2211, Australia A.B.N. 36 000 040 308

Phone International: +61 2 9772 7222 Fax: +61 2 9792 2420

To contact your Lincoln Technical Sales Representative in Australia call **1300 728 720** (at local call costs)

AUSTRALIAN LOCATIONS:

Northern Region:

Unit 1/15 Westgate St, Wacol QLD 4076.

Phone: (07) 3277-3000

Central Region:

35 Bryant St, Padstow NSW 2211.

Phone: (02) 9772-7222

Southern Region:

52b Winterton Rd, Clayton VIC 3168.

Phone: (03) 9543 9399

Western Region:

25 Barker St, Belmont WA 6104.

Phone: (08) 9277-8744

OVERSEAS LOCATIONS:

New Zealand:

5-7 Westech Place, Kelston, Auckland

Phone: 9 813 3422

Singapore, Malaysia, Vietnam:

11 Pandan Crescent, Singapore

(65) 6773 6689

China:

200 Fu Te Rd (N), Wai Gao Qiao, FTZ

Pudong Shanghai.

Phone: 86 21 5866 8666

Indonesia:

Bekasi International Industrial Estate, Blk C-

10, No 12A Lippo Cikarang, Bekasi,

West Java.

Philippines:

Marcelo R Dela Cruz Extension,

Saint Martin Village, Barangay Talipapa,

Quezon City, District II.

India, Sri Lanka, Bangladesh:

309 Solaris-II, 3rd Flr, Saki Vihar Road

- Opp. L&T Powai Gate 6, Andheri (East)

Mumbai, India.

Thailand:

Embassy Place, 548 Plenchit Road,

Patumwan, Bangkok.

Phone: 2570799

THE LINCOLN ELECTRIC COMPANY

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