# Power Wave® AC/DC 1000® SD

## Increased productivity, quality and flexibility

Software-driven output delivers maximum control over the deposition rate and penetration in single or multi-arc environments.

## **Features**

- 380-575 VAC, 50/60 Hz Voltage Input offers the ability to be connected anywhere in the world.
- No hardware reconfiguration required with easy polarity switching - eliminates downtime.
- · Easy to parallel machines or run multiple arcs.
- 3-Phase voltage Input eliminates the imbalance associated with transformer-based AC welding
- 95% power factor correction enables connection of multiple machines on the same plant infrastructure for lower installation costs.
- Severe duty can be stored outdoors. IP23 rated.
- ArcLink®, ethernet and DeviceNet™ communication - offers remote process monitoring, control and troubleshooting.
- True Energy™ measures, calculates and displays instantaneous energy in the weld for critical heat input

Input Power

Item Number

K2803-1\*

**Technical Specifications** 

Product

Power Wave®AC/DC



- Production Monitoring™ 2.2 track equipment usage, store weld data and configure limits to assist in welding efficiency analysis.
- Software based controls can be upgraded as new features become available.
- iARC™ digital control 90 times faster than the previous generation, delivering a responsive arc.

Input Current @

Rated Output

82/79/69/62/55

Weight (kg)

363

HxWxD (mm)

1250 x 488 x 1174

### **Processes**

 Submerged arc Recommended



- Wire Feeders · K3048-1 Cruiser™ Tractor
- K3083-1 Tandem Cruiser™
- · K2814-1 MAXsa® 10 Controller
- · K2370-2 MAXsa® 22 Feed Head

### **Key Options**

- K2444-3 CE Filter (Required option
- · K1811-x Heavy Duty Process Sense Lead - 15/30 m
- K2683-x Heavy Duty ArcLink® Control Cable - 7.5/15/30 m
- K1785-x Control Cable (Heavy Duty) - 3.5/7.5/15 m
- K285 Concentric Flux Cone Assembly
- · K231-1 Contact Nozzle Assembly for 2.4, 3.2, 4.0 mm Wire
- K148A Positive Contact Nozzle Assembly for 2.4-3.2 mm Wire
- K148B Positive Contact Nozzle Assembly for 4.0-4.8 mm Wire





**Processes**  Submerged arc **Unit Includes** 

· Conduit Tubing, 1.5 m · 4 mm., 600 amps Contact Nozzle Assembly; 4 mm. Contact Tip

· Wire Reel Assembly

**Key Options** 

· Nozzle Extension 127 mm

 Curved Nozzle Extension, 45° Nozzle Extension Insulator

Flux Tubing and Hose Clamps

Note: Does not include a control cable.

· Wheels for Track Operation Front and Rear Outriggers Enclosed Wire Reel (2 for Tandem)

• K1733-5 Wire Straightener

• K396 Track Section

• K3070-1 Tiny Twin Kit



## \*(1)Filter is required to meet CE conducted emission requirements. The K2444-3 must be used with the K2803-1.

380/400/460/500/575V/3/50/60

Output

Range (A)

100-1000

Rated Output

1000A/44V/100%

# Digital Wire Feeder

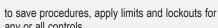
# Cruiser® & Tandem Cruiser®

# **Submerged Arc Welding Tractor**

The self-propelled, modular Cruiser™ and Tandem Cruiser™ travel carriages can deliver deposition rates up to 13 kg per arc, per hour for butt and fillet joints on lengthy plate welding applications common in bridge or barge decking, large tank fabrication or shipbuilding.

## **Features**

- Reliable operation strong, rigid and stiff, especially when you need it most:
  - Sturdy welded base frame.
  - Substantial steel mast stands up to daily construction
  - Simple cast wheels equipped with high temperature and slip resistant rubber tires.
  - Robust tube and clamp design trouble-free feeding component mounting.
- Adjustable extended length outriggers make it easy to guide tractor movement.
- Advanced control pendant removable, lightweight, impact resistant aluminium user interface can be used



Multiple configurations - flexible system allows set up with or without a track and three- or four-wheel operation. Tandem model not

recommended for three wheel operation.

# any or all controls.

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## Technical Specifications

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	Product	Item Number	Input Power	Rated Output	Travel Speed (m/min)	Gear Box	Wire Feed Speed range (m/min)	Wire Size Range (mm)		Dimensions HxWxD (mm)
	Cruiser Tractor	K3048-1	40V DC	1000A / 100%		142:1 95:1 <sup>(1)</sup> 57:1 <sup>(1)</sup>	0.4 - 5.0 0.4 - 7.6 1.3 - 12.7	2.4 - 5.6 1.6 - 3.2 1.6 - 2.4	94	736 x 584 x 914
	Tandem Cruiser™ Tractor	K3083-1							136	927 x 1156 x 1054

(1) Optional