

# POWER WAVE® S350 ALUMINUM WITH ADVANCED MODULE

## The Complete Solution

### KEY FEATURES

- » Ideal solution for robotic aluminum applications
- » Multiple processes including AC MIG and AC TIG
- » Typical challenges with welding aluminum such as large gaps and burnthrough

### Applications

- General/Heavy Fabrication
- Trailer Manufacturing
- Shipbuilding
- Automotive

### Processes

- MIG (GMAW)                      ▪ AC TIG
- Pulsed MIG (GMAW-P)       ▪ AC MIG
- CC Pulsed (GMAW-P)

### Output

- GMAW: 350A/31.5V/40%<sup>(2)</sup>
- GMAW: 300A/29V/100%
- GTAW: 350A/24V/40%
- GTAW: 300A/22V/100%



### PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Input Current @ Rated Output	Rated Output Current/Duty Cycle	Output Range <sup>(3)</sup>	H x W x D in (mm)	Net Weight lb (kg)
Power Wave S350 One-Pak® (Aluminum Air-Cooled)	K4184-5	208/230/380-415/460/575 /1/3/50/60	3 Ph / 40% Duty Cycle: 9/35/19/17/14 3 Ph / 100% Duty Cycle: 1/28/15/14/11 1 Ph / 40% Duty Cycle: 60/67 <sup>(1)</sup> /NA/NA/NA 1 Ph / 100% Duty Cycle: 60/53/NA/NA/NA	GMAW: 350A/31.5V/40% <sup>(2)</sup> GMAW: 300A/29V/100% SMAW: 325A/33V/40% <sup>(2)</sup> SMAW: 250A/30V/100% GTAW-AC: 350A/24V/40% GTAW-AC: 300A/22V/100%	5-350A	52 x 39 x 26 (1321 x 991 x 660)	450 (204.1)

<sup>(1)</sup> Based on the U.S. National Electrical Code <sup>(2)</sup> On 230 Volt / 1 Phase inputs, the peak rating is at a duty cycle of 30%, except for GTAW processes

<sup>(3)</sup> On 208 Volt inputs, the maximum output is limited to 300 amps

### CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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