

# Dimension<sup>TM</sup> Serie

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**Multiprocess Welding  
Power Source**



## Quick Specs



### Applications

Fabrication and Construction  
Heavy Manufacturing  
MRO – Maintenance and Repair  
Pressure Tank/Vessel Fabrication  
Pipe Welding  
Shipbuilding  
Refineries and Foundries  
Railcar Manufacturing  
Earth-Moving Equipment Manufacturing

### Process

MIG  
Stick  
TIG  
Flux Cored  
Cutting and Gouging  
Submerged Arc

**S IP 21M**

### Input Power:

380/400/440 VAC, 3-Phase

### Rated Output:

**562:** 20-565 A  
450 A 100% DC 40°C  
**812:** 50-815 A  
650 A 100% DC 40°C

### Weight:

**562:** 192 kg  
**812:** 247 kg

## The Power of Blue.®

### DC multiprocess capability

provides versatility and outstanding arc performance in CV (MIG) and CC (Stick, TIG).

**Built-in arc control** lets you get in tight without sticking the electrode. An electrode compensation circuit ensures consistent arc control performance regardless of the electrode size.

**Hot Start<sup>TM</sup>** makes it easier to start difficult-to-start Stick electrodes such as E-6010 and E-7018.

**Line voltage compensation** ensures consistent weld performance by keeping output power constant even if primary input power varies by  $\pm 10\%$ .

**Thermal overload protection** light indicates power shutdown. Helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.



**115 V duplex receptacle** provides 15 amps of auxiliary power.

### Remote voltage control

allows operator to change voltage from feeder.

**Fan on Demand<sup>TM</sup>** operates only when needed reducing noise, power consumption, and the amount of airborne contaminants pulled through the machine.

**Enclosed circuit boards** provide additional protection from contaminants resulting in longer service life.

**PC board protection** prevents the wire feeder power or other stray voltages (less than 115 VAC) from harming the power source PC board.

**Digital voltmeter and ammeter** Are easy to read.



Power source is warranted for 3 years, parts and labour.  
Original main power rectified parts are warranted for 5 years.

**MADE IN USA**  
APPLETON, WI



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## Specifications



Model	Rated Output	Amperage Range	Voltage Range	Max. Open-Circuit Voltage	Dimensions	Weight
562	450 A at 100 % Duty Cycle	20 – 565 A	10 – 38 V	65 V	H: 762 mm W: 585 mm D: 966 mm	192 kg
812	650 A at 100 % Duty Cycle	50 – 815 A	10 – 65 V	72 V		247 kg

## Ordering Information

Power Source	Stock No.	Description
<b>Dimension 562</b>	<b>907 360</b>	380/400/440 VAC, 50/60 Hz
<b>Dimension 812</b>	<b>907 361</b>	380/400/440 VAC, 50/60 Hz
<b>Accessories</b>		
Running Gear	<b>042 886</b>	Standard , 254 mm rear wheels and 127 mm front casters
Cylinder Rack	<b>042 887</b>	Installs on standard running gear 042886 only
Coolmate V3	<b>043 009 012</b>	Cooler 115 VAC
BlueLiquid	<b>050 024 004</b>	Coolant, can 10 l
S-74 S	<b>300 616 002</b>	Basic wire feeder 4 rolls
S-74 DX	<b>300 618 003</b>	Digital wire feeder 4 rolls
Spool cover	<b>057 607</b>	
HF 5000	<b>V29 012 345</b>	HF arc starter for TIG
Air filter kit	<b>042 939</b>	
Ground Current Sensor	<b>195 048</b>	
Polarity Control	<b>042 871</b>	Mechanical
Weld Cable Adapter	<b>232 728</b>	Threaded Stud to Dinse 50/70 mm <sup>2</sup>
Primary Power Cable		On request
Welding Cable		On request