

# Sub Arc DC Serie

January 2011 • Index No. DC/19.8  
**Submerged Arc Welding**  
**Power Source**



**Quick  
Specs**



## Applications

Fabrication and Construction  
Heavy Manufacturing  
Pressure Tank/Vessel Fabrication  
Pipe Welding  
Shipbuilding  
Refineries and Foundries  
Railcar Manufacturing

## Process

Submerged ARC  
Stick  
Flux Cored

**S IP 21M**

**Input Power:** 400 VAC, 3 Phase

**Rated Output:**  
**DC 800:** 50-815 A  
650 A 100% DC 40° C  
**DC 1250:** 100-1250 A  
1000 A 100% DC 40° C

**Weight:**  
**DC 800:** 247 kg  
**DC 1250:** 292 kg

## The Power of Blue.®

### DC multiprocess capability

provides versatility and outstanding arc performance in SAW (Submerged Arc) and CC (Stick).

### Internal digital voltage control



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

### 14-pin receptacle

provides quick, direct connection to Miller 14-pin wire feeders and accessories.

**Fan on Demand™** 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



Distribuito da:

**TECNOWELD**  
di ROBERTO GAMBERINI

MATERIALI E MACCHINE PER SALDATURA

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## Specifications



Model	Rated Output	Welding Mode	A/V - Output	Max. Open-Circuit Voltage	Dimensions	Weight
DC 800	650 A 44 VDC	CC/CV, DC	50 – 815 A 10 – 65 V	72 V	H: 692 mm W: 565 mm D: 914 mm	247 kg
DC 1250	1000 A 44 VDC	CC/CV, DC	100 – 1250 A 10 – 60 V	66 V		292 kg

## Ordering Information

Power Source	Stock No.	Description
<b>Sub Arc DC 800</b>	<b>907 344</b>	400 V, 3 - Phase
<b>Sub Arc DC 1250</b>	<b>907 343</b>	400 V, 3 - Phase
<b>Accessories</b>		
HDC 1500 A	<b>300 439</b>	Analog control unit
HDC 1500 DX	<b>300 438</b>	Digital control unit
RAD - 400	<b>195 265</b>	Standard-speed right-angle drive motor, 0 - 10 m/min.
RAD - 780	<b>195 266</b>	High-speed right-angle drive motor, 0 – 19,8 m/min.
OBT 600	<b>043 923</b>	600 A at 100% Duty Cycle
OBT 1200	<b>043 900</b>	1200 A at 100% Duty Cycle
OP Tractor	<b>195 262</b>	



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