

Sub Arc DC Serie

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**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



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

(DVC) enables operator to preset weld voltage in the CV mode before striking an arc.

Hot Start™ 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.

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



ITW Welding Products

Edisonstraat 10
3261 LD Oud-Beijerland
The Netherlands

Contact

Tel.: +31 (0) 186 641 444
Fax: +31 (0) 186 640 880

info@itw-welding.com
www.itw-welding.com



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
Sub Arc DC 800	907 344	400 V, 3 - Phase
Sub Arc DC 1250	907 343	400 V, 3 - Phase
Accessories		
HDC 1500 A	300 439	Analog control unit
HDC 1500 DX	300 438	Digital control unit
RAD - 400	195 265	Standard-speed right-angle drive motor, 0 - 10 m/min.
RAD - 780	195 266	High-speed right-angle drive motor, 0 – 19,8 m/min.
OBT 600	043 923	600 A at 100% Duty Cycle
OBT 1200	043 900	1200 A at 100% Duty Cycle
OP Tractor	195 262	

