

Summit Arc DC 1250

January 2011 • Index No. AY/12.0

Submerged Arc Welding
Power Source 

Quick Specs



Applications

Fabrication and Construction
Heavy Manufacturing
Pressure Tank/Vessel Fabrication
Pipe Welding
Shipbuilding
Railcar Manufacturing
Wind Mill Manufacturing

Process

Submerged Arc
Air Carbon ArcGutsen
Cutting and Gouging
Stick
Flux Cored

IP 21S

Input Power:

400 VAC, 3 Phase

Rated Output:

1250 A 60% DC 40°C
1000 A 100% DC 40°C

Weight:

540 kg

The Power of Blue.®

Multiprocess AC-DC Power source
Provides versatility and outstanding arc performance in SAW.

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

PhaseShift Technology™
For use with several number of wires, without the need of an external interface.

Fan on Demand™ power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.



Variable balance AC provides excellent arc starting and positive arc re-ignition throughout the weld cycle for superior arc performance and quality.

Easy set of Balance, Frequencies and DC polarity refine arc for specific needs.

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

14-pin receptacle provides quick, direct connection to Miller control units and accessories.



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



Rated Output	A/V - Output	Max. Open-Circuit Voltage	Dimensions	Weight
1250 A 60% Duty Cycle 1000 A 100% Duty Cycle By 44 V, 40°C AC or DC	25 – 44 V/CV 250 – 1250 A/CC	71 V	H: 1118 mm W: 692 mm D: 1168 mm	540 kg

Ordering Information

Power Source	Stock No.	Description
Summit Arc 1250	903 570 011	400 V, 50/60Hz
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	
Fluxhopper	194 775	With electric valve
Wire traightener	199 733	For wire diameter 1,6 - 5,6 mm
Spool Support Assembly	119 438	For 27 kg wire spool
Wire Reel	108 008	For 27 kg wire spool
Cable Kit for HDC 1500	195 308	14-pin interconnect cable (9 m) and Motor cable (3 m)