

# Power Arc® 5500

## Robust Generator/Welder is Two Tools in One!

The Power Arc® 5500 is ideal for home, farm, contractors, maintenance, or business power outage emergencies. You get two great tools in one for double the value. First, maximum AC generator power in a lightweight package – that makes it easy to get auxiliary power where you need it – fast! You also get 125 amps of AC welding power for many common maintenance, repair and construction projects. Add reliable engine choices and a rugged standard roll cage and you get one versatile tool you can use all year long!

### Processes

Stick



Output



5.5s  
kW

Input



### Advantage Lincoln

- Sizable 5500 watts surge (4000 watts continuous) single phase AC generator power keeps your lights, tools, heaters, sump pumps or appliances running during emergencies or for any project – anytime, anywhere!
- 125 amps AC welding output is ideal for 3/32" (2.5 mm) and 1/8" (3.2 mm) diameter electrodes.
- Rugged tube frame roll cage adds protection and many lift handle points.
- Two people can easily transport the Power Arc 5500 where auxiliary power is needed – fast!
- Lightweight – up to 75 lbs. (34.0 kg) less than many competitors!
- Single-range output control makes it easy to dial in the right welding setting for your application.
- Powered by your choice of two popular 9 HP engines with cast iron sleeves for long engine life:
  - Robin/Subaru® OHC (Overhead Cam)
  - Honda® OHV (Overhead Valve)
- Circuit breakers provide secure overload protection for the generator and your tools.
- Industry-leading three-year Lincoln warranty on parts and labor. (Separate engine warranties per manufacturers).

### TECHNICAL SPECIFICATIONS

Product Name	Rated Output Current/Voltage/Duty Cycle	Output Range	Engine Model	No. of Cyl.	HP@ Speed (rpm)	Dimensions H x W x D inches (mm)	Net Weight lbs (kg)
Power Arc 5500	125A AC/20V/30% 100A AC/25V/60%	70-125A AC 5500 Watts Surge 4,000 Watts Continuous	Robin/Subaru® EX 27 Gas	1	9HP@ 3600	21 x 20 x 30 (530 x 508 x 762)	160 (72.5)
			Honda® GX 270 Gas				169 (76.6)

## A CLOSER LOOK

### AC GENERATOR PERFORMANCE

- 5500 watts surge (4,000 watts continuous) single phase power for tools, lights, appliances and emergency needs.
- 120V and 240V, single phase 60Hz receptacles with weather protection covers for easy reliable connections.
- Circuit breakers for overload protection.

### ARC PERFORMANCE

- 125 amps AC welding output for 3/32" and 1/8" diameter electrode.
- Single range control for adjusting weld output.
- 30% duty cycle at 125 amps and 60% duty cycle at 100 amps.

## FEATURES

### Choice of Two Top-of-the-Line Gasoline Engines:

- Robin/Subaru 9 HP EX27 OHC (Overhead Cam) engine has:
  - Steel chain-driven overhead cam for great reliability and long engine life.
  - Easy starts with automatic decompression system.
  - Noise at rated load:  
103.9 dB sound power (Lwa)  
79.2 dBA sound level at 23 ft. (7m)
  - Low fuel consumption.
  - Cast iron cylinder liner for maximum engine performance and long life.
  - 1.6 gallon fuel tank. Includes fuel fill strainer.
  - Automatic shutdown for low oil level.
  - 3-Year Robin/Subaru engine warranty.
- Honda 9 HP GX270 OHV (Overhead Valve) engine has:
  - Easy starts with automatic decompression system.
  - Noise at rated load:  
106.1 dB sound power (Lwa)  
82.8 dBA sound level at 23 ft. (7m)
  - Low fuel consumption.
  - Cast iron cylinder liner for maximum engine performance and long life.
  - 1.6 gallon fuel tank. Includes fuel fill strainer.
  - Automatic shutdown for low oil level.
  - Hour Meter to track scheduled maintenance.
  - 2-Year Honda engine warranty.

### Key Controls

1. Current Control Dial
2. 120V AC Output Receptacle
3. 240V AC Output Receptacle
4. Circuit Breakers
5. Grounding Stud
6. Welding Output Studs
7. Electrode Selection Guide



(Robin/Subaru Model Shown)

## QUALITY AND RELIABILITY

- Rugged tube frame roll-cage for protection and portability. Can be easily moved by two people.
- Honda model includes an hour meter to easily schedule regular engine maintenance.
- Optional K882-2 two-wheel undercarriage available.
- Approved by the Canadian Standards Association.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- Three-year Lincoln warranty (Separate engine warranties per the manufacturers).

## A CLOSER LOOK

### MACHINE SPECIFICATIONS

Product Name (1)	Ordering Information	Description	Generator AC Power(3)	CC Rated Output Current/Voltage/Duty Cycle	Dimensions H x W x L inches (mm)	Weight lbs/(kg)
Power Arc® 5500	K1429-8 (Robin/Subaru®)	5500 Watt Single Phase AC Generator & 125 Amp AC Stick Welder	5500 Watts Surge 4,000 Continuous 60Hz, 120V/240V AC Single Phase 100% Duty Cycle Circuit Breaker Protection	<b>AC Constant Current</b> 125A/20V/30% 100A/25V/60%	21 x 20 x 30 (530 x 508 x 762)	160 (72.5)
	K1429-9(2) (Robin/Subaru®)					165 (74.8)
	K1429-10 (Honda®)					169 (76.6)
			120V Duplex Receptacles 20 Amps Each 33.3 Amps Total(4)	<b>Current Range</b> 70-125A Max. OCV @ 3700 RPM 62V RMS <i>(See Note 1)</i>		
			240V Receptacle 16.7 Amps			

- (1) **SAFETY NOTE:** This welder should not be used in electrically hazardous conditions such as: damp locations, while wearing wet clothing, on metal structures or in cramped positions. Use a DC stick or wire welder.
- (2) Includes welding cables, work clamp, insulated electrode holder and sample pack of electrodes.
- (3) 120V will operate either 60Hz or 50/60Hz power tools, lights, etc. Consult a qualified electrician and/or the local electrical code before installing and operating as a stand-by generator.
- (4) Circuits cannot be wired in parallel to operate the same device.
- (5) Based on a 10 minute period.

### ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Ignition	Capacities	Operating Load	Running Hours
Robin/Subaru® EX27(6)	1 Cylinder, 4 Cycle, Overhead Cam, Air Cooled Gasoline Engine Aluminum Alloy, Cast Iron Liner	9 HP @ 3,600 RPM 16.2 cu in (265 cc)	Manual Recoil Start with Automatic Compression Release; Manual Choke; On/Off Switch	FUEL: 1.6 Gals (6.1 Ltrs)  OIL: 1.1 Qts (1.0 Ltrs)	FULL LOAD 4,000 WATTS	2.4 Hours
					NO LOAD	5.2 Hours
Honda® GX270(7)	1 Cylinder, 4 Cycle Overhead Valve, Air-Cooled Gasoline Engine, Aluminum Alloy, Cast Iron Liner	9 HP @ 3,600 RPM 16.5 cu in (270 cc)	Manual Recoil Start with Automatic Compression Release; Manual Choke; On/Off Switch	FUEL: 1.6 gal (6.1 ltrs)  OIL: 1.2 qts. (1.1 ltrs)	FULL LOAD 4,000 Watts	2.4 Hours
					NO LOAD	5.3 Hours

- (6) Robin/Subaru Warranty 3 years.
- (7) Honda Warranty 2 years.

### GENERATOR POWER APPLICATION CHART

Suggested Power Applications	Running Watts (Continuous)	Start-Up Watts(8) (Surge)
Airless Sprayer - 1/3 HP	600	1,500-2,400
Electric Motor - 1 HP	1,000	2,500 - 4,000
Portable Grinder (7")	2,000	
Halogen Work Light	500	
Hand Drill - 3/8"	700	
Heater	1,750	
Submersible Pump - 1 HP	1,000	2,500 - 4,000
Sump Pump	600	1,500 - 2,400
Lincoln Wire Feeder/Welder	4,000	

- (8) Equipment with unusually high START-UP WATTS is listed. For start-up of other tabled equipment that uses a motor, allow up to 2 times the RUNNING WATTS shown above. Multiple loads can be used as long as the total load does not exceed 4,000 watts continuous.

Note: Wattage listing is approximate. Check your equipment for actual wattage.



Power Arc 5500 - It's two tools in one!

5500 watts peak generator power for projects or emergency use.



125 amps AC welding capability for practical year-round use.

Power Arc® 5500

## A CLOSER LOOK

### ELECTRODE SELECTION GUIDE

Electrode Type	AWS Class	Material Thickness		
		Below 1/8"	1/8" and Thicker	
		● 3/32" Electrode	● 1/8" Electrode	● 5/32" Electrode
Fleetweld® 180	6011	50-80 A	55-110A	105-125 A
Fleetweld® 37	6013	70-95A	100-125A	--
Jetweld® LH-73 & 7018 AC	7018	65-85 A	90-125 A	--
Wearshield® ABR For Hardfacing - Not for Joining	--	--	50-125 A	--

The values listed above are suggested settings. Actual setting may vary depending on individual preference and/or specific application. Less experienced welding operators should use LINCOLN 7018 AC. Follow tables found in accompanying Lincoln literature for those electrodes not listed. Ask for Lincoln Publication C2.10 for a complete listing of all Lincoln stick electrodes and descriptions of applications. (AWS is the American Welding Society).

## RECOMMENDED OPTIONS

### GENERAL OPTIONS



#### Accessory Kit

For stick welding. Includes 20 ft. (6.1m) #6 electrode cable with lug, 15 ft. (4.6m) #6 work cable with lugs, headshield, filter plate, work clamp, electrode holder and sample pack of mild steel electrode. 150 amp capacity.

**Order K875**



120V



#### Power Plug Kit

Contains two 120V plugs and one 240V plug rated at **15 amps** each.  
**Order K802T**



#### Undercarriage

For moving by hand.

**Order K882-2**

## POWER ARC™ 5500 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
Power Arc 5500 Robin/Subaru	K1429-8		
Power Arc 5500 Robin/Subaru with accessories	K1429-9		
Power Arc 5500 Honda	K1429-10		
<b>Recommended General Options</b>			
Accessory Kit	K875		
Undercarriage	K882-2		
Power Plug Kit (15 amp)	K802T		
<b>TOTAL:</b>			

### CUSTOMER ASSISTANCE POLICY

The business of 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

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