

Power Arc® 5500

Robust Welder/Generator 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, you get 125 amps of AC welding output for many common maintenance, repair and construction projects. You also get maximum AC generator power in a lightweight package – that makes it easy to get auxiliary power where you need it – fast!

Add reliable engine choices and a rugged standard roll cage and you get one versatile tool you can use all year long!

Processes
Stick



Shown:
K1429-12 Subaru® Robin Engine

Output



Input



Advantage Lincoln

- 125 Amps AC Welding**
 - 125 amps AC welding output is ideal for 3/32" (2.4 mm) and 1/8" (3.2 mm) diameter electrodes.
 - Single-range output control makes it easy to dial in the right welding setting for your application.
- 5500 Watts Surge AC Generator Power**
 - 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 – any time, anywhere!
 - Circuit breakers provide secure overload protection for the generator and your tools.
- Rugged Tube Frame**
 - Rugged tube frame roll cage adds protection and many lift handle points.
- Easily Transported**
 - 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!
- Choice Of Two 9 HP Engines With Cast Iron Sleeves For Long Engine Life**
 - Subaru® Robin OHC (Overhead Cam)
 - Honda® OHV (Overhead Valve)
- Accessories Available**
 - Subaru® Robin unit is available in 2 models: with or without welding accessories.
- Three-Year Lincoln Electric® Warranty**
 - 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	Subaru® Robin 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

ARC PERFORMANCE

- 125 amps AC welding output for 3/32" (2.4 mm) and 1/8" (3.2 mm) diameter electrode.
- Single range control for adjusting weld output.
- 30% duty cycle at 125 amps and 60% duty cycle at 100 amps.

AC GENERATOR PERFORMANCE

- 5500 watts surge (4,000 watts continuous) single phase power for tools, lights, appliances and emergency needs. For example, plug in a grinder to clean weld spatter after welding is done.
- 120V and 240V, single phase 60Hz receptacles with weather protection covers for easy reliable connections.
- Combination 120V/240V circuit breaker for overload protection.

FEATURES

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

Subaru® Robin 9 HP EX27 OHC (Overhead Cam) engine has:

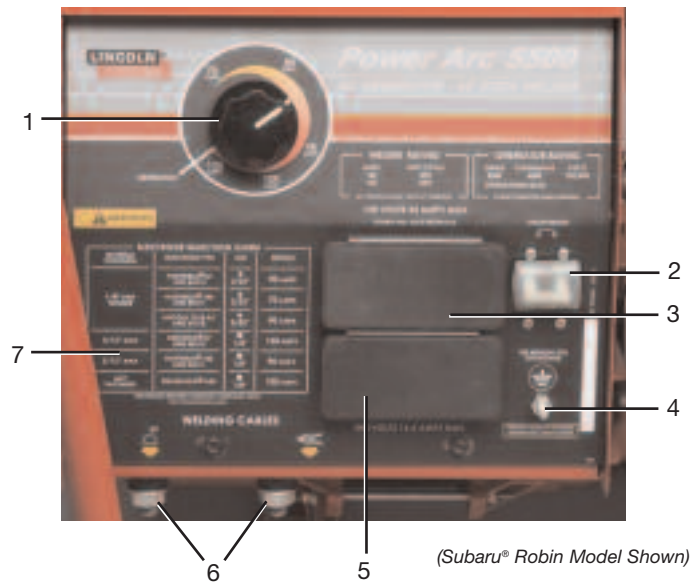
- Steel chain-driven overhead cam for great reliability and long engine life.
- Easy starts with automatic decompression system.
- Noise at rated load:
103.9 dB sound power (Lwa)
79.2 dBA sound level at 23 ft. (7 m)
- Low fuel consumption.
- Cast iron cylinder liner for maximum engine performance and long life.
- 1.6 gallon (6.1 Ltrs) fuel tank. Includes fuel fill strainer.
- Automatic shutdown for low oil level.
- 3-Year Subaru® Robin 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. (7 m)
- Low fuel consumption.
- Cast iron cylinder liner for maximum engine performance and long life.
- 1.6 gallon (6.1 Ltrs) 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/240V Circuit Breaker
3. 120V AC Output Receptacle
4. Grounding Stud
5. 240V AC Output Receptacle
6. Welding Output Studs
7. Electrode Selection Guide



(Subaru® Robin Model Shown)

QUALITY AND RELIABILITY

- Rugged tube frame roll-cage for protection and portability. Can be easily moved by two people.
- Red powder paint finish offers increased durability with added protection from rust and corrosion. Also, ultraviolet resistant to better retain color and gloss.
- 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	CC Rated Output Current/Voltage/Duty Cycle ⁽³⁾	Generator AC Power ⁽⁴⁾	Dimensions H x W x L inches (mm)	Weight lbs/(kg)
Power Arc® 5500	K1429-12 (Subaru® Robin)	5500 Watt Single Phase AC Generator & 125 Amp AC Stick Welder	AC Constant Current 125A/20V/30% 100A/25V/60% Current Range 70-125A Max. OCV @ 3700 RPM 62V RMS <i>(See Note 1)</i>	5500 Watts Surge 4,000 Continuous 60Hz, 120V/240V AC Single Phase 100% Duty Cycle Circuit Breaker Protection 120V Duplex Receptacles 20 Amps Each 33.3 Amps Total ⁽⁵⁾ 240V Receptacle 16.7 Amps	21 x 20 x 30 (530 x 508 x 762)	160 (72.5)
	K1429-14 ⁽²⁾ (Subaru® Robin)					165 (74.8)
	K1429-13 (Honda®)					169 (76.6)

- (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 20 ft. (6.1 m) #6 welding cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, 200 amp electrode holder, work clamp, sample electrode pack, welding gloves, helmet, chipping hammer and brush.
- (3) Based on a 10 minute period..
- (4) 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.
- (5) Circuits cannot be wired in parallel to operate the same device.

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Ignition	Capacities	Operating Load	Running Hours
Subaru® Robin 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
					NO LOAD	5.2
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
					NO LOAD	5.3

(6) 3-Year Subaru® Robin engine warranty. (7) 2-Year Honda® engine warranty.

Power Arc® 5500 – It's two tools in one!



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

5500 watts peak generator power for projects or emergency use.

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.

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

Order K875



Undercarriage

For moving by hand.

Order K882-2

POWER ARC® 5500 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
NEW! Power Arc® 5500 Subaru® Robin	K1429-12		
NEW! Power Arc® 5500 Subaru® Robin with Accessories	K1429-14		
NEW! Power Arc® 5500 Honda®	K1429-13		
Recommended General Options			
Accessory Kit	K875		
Undercarriage	K882-2		
TOTAL:			

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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