

# ROOFING

## DISTRIBUTOR CATALOG

**BAK**



# Heat-On RiOn

Cost-Effective.  
Field Tested.  
Robust.

The hand-held heat welder for all different types of thermoplastic materials for roofing, flooring, tarps, plastic fabrication, etc.

- High quality
- Maintenance friendly
- Longer lasting brushes
- Large accessory range
- Double insulated
- Optimal performance/great price
- Easy welding with ergonomic handle
- High speed welding enables high productivity



## Kits Available



### RiOn Basic Kit Includes (Item #6600160BK)

- RiOn hand held heat gun
- 40 mm pressure roller
- 40 mm nozzle
- Handy tool box

## Technical Data

Item Number		6600160 / 6600159
Voltage	VAC	120 / 230
Frequency	Hz	50 / 60
Power	W	1600
Electricity	A	13.5 / 7.0
Temperature	°F	68 - 1200
Air Flow	l/min	approx 250
Static Pressure	Pa	approx 3000
Dimensions	L x W x H(in)	13.38 x 3.93 handle 2.36
Emission Level	dB	64
Weight	lbs	2.8 with cord



### RiOn Deluxe Kit Includes (Item #6600160DK)

- RiOn hand welder heat gun
- 40mm pressure roller
- Spare element
- 20 mm nozzle
- Spare carbon brushes
- 40 mm nozzle
- Spare air filter
- Cleaning brush
- Handy tool box

# ErOn

## Completely Portable for All-in-One Heater/ Blower Applications

**Our most powerful hand tool**

**Robust**

**Compact**

**Tried and tested**

Stepless temperature adjustment up to 1200°F.  
Powerful with ergonomic handle for different applications and with a complete line of accessories like nozzles, reflectors, etc. Ideal for modified bitumen welding, shrinking, drying, soldering, heating forming, welding and bending.



### Kits Available



**Kit Includes**  
(Item #5107781K)

- ErOn hand held heat gun
- 100 mm pressure roller
- 75 mm nozzle with stand
- Handy tool box

*Special accessories upon request.*

### Technical Data

Item Number		5107791	5107781
Voltage	VAC	120	230
Frequency	Hz	50 / 60	
Power	W	2700	3400
Electricity	A	22.5	14.8
Temperature	°F	68 - 1200	
Air Flow	l/min	approx 500	
Static Pressure	Pa	approx 3000	
Dimensions	L x W x H(in)	3.7 x 12.6 handle 2.52	
Emission Level	dB	64	
Weight	lbs	3.3 with cord	

# LarOn

## The Workhorse of the Industry!

Hot air automatic welding machine for roofing membranes made of TPO, PVC, ECB, CSPE and modified bitumen

- Perfectly balanced
- Wrinkle-free welding
- High speed production
- Completely brushless
- Easy maintenance with standard components
- Digital display of speed and temperature
- Automatic drive start system
- Designed for the most demanding job sites
- For welding of all thermoplastic roofing membranes

### **NEW** LarOn H, high-speed welder now available.

The roofing industry's fastest overlap welder! Part #6600248.

Robust and performance driven, welding at speeds up to 60 ft per minute.

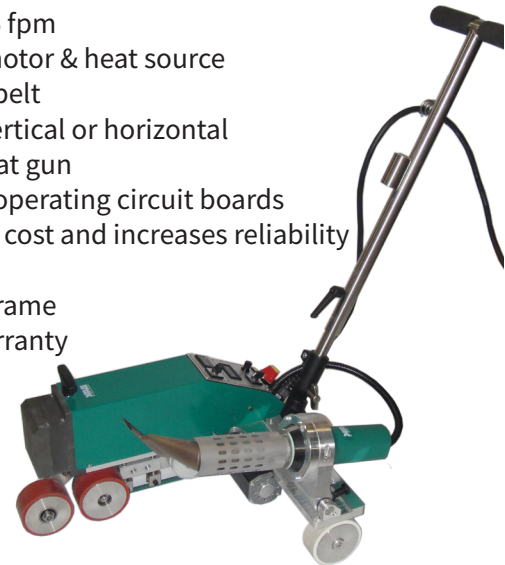
### Technical Data

Item Number		5115995
Voltage	VAC	230 / 400
Frequency	Hz	50 / 60
Power	W	4600 / 5700
Electricity	A	20.0 / 14.25
Temperature	°F	68 - 1148
Welding Speed	f/min	26
Dimensions	L x W x H(in)	24.4 x 15.7 x 12.5
Weight	lbs	77



### BAK LarOn Features

- Welding speed 26 fpm
- Brushless drive motor & heat source
- Chain driven, no belt
- Handle adjusts vertical or horizontal
- Filtered air for heat gun
- 2 independently operating circuit boards reduces repair cost and increases reliability
- Line cord is 25'
- Life-time milled frame
- 3 year limited warranty



### Modified Bitumen Conversion Kit Options

Item # 6108923 80mm overlap welding kit	Item # 6108924 100mm overlap welding kit
Kit includes additional weight, nozzle, overlap welding wheel and transport roller guide.	

### Bitumen Welder Part Numbers

Item # 6115997 LarOn for 80mm overlap welding	Item # 6116090 LarOn for 100mm overlap welding
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# LarOn Deluxe Kit

COST-EFFECTIVE &  
FIELD TESTED

Hot air automatic welding machine for  
roofing membranes made of TPO, PVC,  
ECB, CSPE and modified bitumen

- LarOn automatic welding machine
- 100' heavy duty UV resistant line cord with built in GFCI
- 12,000W Generator w/key ignition start
- 22hp Honda engine
- Convenient storage case for LarOn and accessories
- All plugs and receptacles



## Technical Data

Item Number		HP12000HE
Voltage	VAC	230
Frequency	Hz	50 / 60
Power	W	4600
Electricity	A	20.0
Temperature	°F	68 - 1148
Welding Speed	f/min	26
Dimensions	L x W x H(in)	24.4 x 15.7 x 12.5
Weight	lbs	77

*\*\*Due to laws prohibiting the shipment of gas, oil & acid, our generator/deluxe kit will not include a 12v (std. lawn tractor) battery. It must be added upon customer delivery.\*\**

*Total kit shipping weight 700lbs on a pallet*



# RoofOn

SIMPLE. EASY.  
AFFORDABLE.

- Tried and tested, robust technology
- Continuous speed, temperature and airflow adjustment through potentiometer
- Great for parapets, flashing & seam overlap
- 40mm weld width
- Automated drive
- High welding speed
- Lightweight (44 lbs), powerful, environmentally friendly
- Effectively helps reduce costly man-hours on outer perimeter roof welding to TPO/PVC coated drip edge
- Welds up to and including membrane 60 mil thickness
- Great for projects 20-150 sq. in size
- Convenient center wheel conversion kit for parapet wall tops and outer perimeter welding
- Extra weight included



## Kits Available



- BAK RoofOn
- Winco DP7500w generator
- Metal toolbox
- 100' GFCI line cord
- All plugs & receptacles

## Technical Data

Item Number		5230051C	6600132C
Voltage	VAC	120	230
Frequency	Hz	50 / 60	
Power	W	2700	3400
Temperature	°F	68 - 1112	
Max Power Input	A	22.5	15.0
Speed	ft/min	1.64 - 39	
Air Flow Max	l/min	500	
Air Flow	%	Adjustable	
Emission	dB	50	
Dimensions	L x W x H(in)	18" x 8" x 12"	
Weight	lbs	44 with 19' cable	

Also available:

\*\*\*\* The NEW RoofOn Digital \*\*\*\*  
Part# 5230052 (120V) and Part# 5230049 (230V)  
*Ask about the digital Roofon.  
Great for colder regions with ambient  
temperatures of 40 degrees or lower.*



# RoofOn R Edge

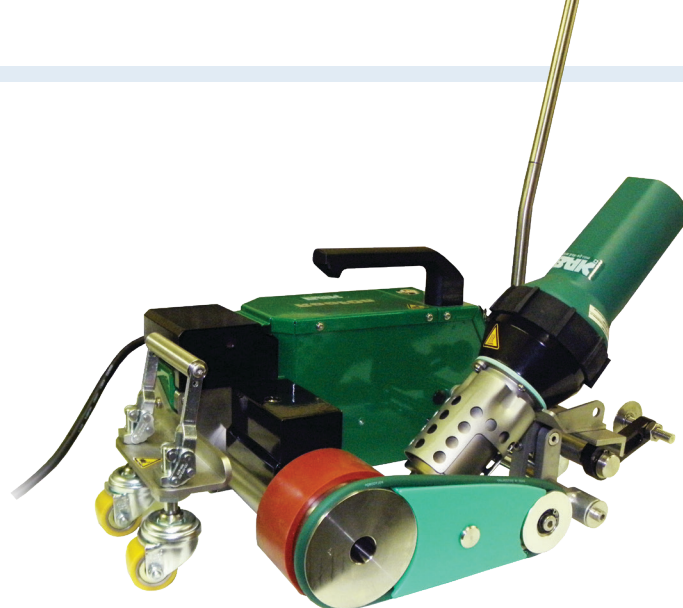
SIMPLE. EASY.  
AFFORDABLE.

## Talent in border areas

- Welds at only 0.8 inch from fascia
- Can also be used for welding to the surface
- 40mm weld width
- Available as RoofOn R Edge and RoofOn R Edge Digital
- Effectively helps reduce costly man-hours on:
  - Pitch pockets
  - Pipe boots
  - Skylights
- Lightweight, powerful and environmentally-friendly
- Portable (57 lbs)
- Welds up to and including membrane 60 mil thickness
- Great for projects 20-150 sq. in size
- Extra weight included

## Technical Data

Item Number		5230351C	5230352C
Voltage	VAC	120	230
Frequency	Hz	50 / 60	
Power	W	2700	3400
Temperature	°F	68 - 1112	
Max Power Input	A	22.5	15.0
Speed	ft/min	Standard 2-40 / Digital 0-40	
Air Flow Max	l/min	500	
Air Flow	%	Adjustable	
Emission	dB	50	
Dimensions	L x W x H(in)	18"x13"x33.4"	
Weight	lbs	57 with 16.4' cable	



## Kits Available



- BAK RoofOn Edge
- Winco DP7500w generator
- Metal toolbox
- 100' GFCI line cord
- All plugs & receptacles

## Also available:

\*\*\*\* The NEW RoofOn R Edge Digital \*\*\*\*  
 Part# 5230353 (120V) and Part# 5230354 (230V)  
 Ask about the digital Roofon Edge.  
 Great for colder regions with ambient  
 temperatures of 40 degrees or lower.



# Portable Repair Kit

SAVE TIME AND MONEY ON ROOF REPAIRS



## Heat Source:

- RiOn 120v Steplessly Controlled
- Double Insulated
- 1600w of Power
- Temperatures up to 1200°F
- Ergonomic Handle
- Long-Life Brushes
- Stainless Steel 40mm Overlap Nozzle
- 40mm Hand Roller
- Seam Probe
- Handy, Lightweight Tool Box
- 1 Year Warranty\*

## Power Source:

- EB 2000i Honda Generator (46lbs)
- 20A Duplex Receptacles
- ECO Throttle Switch
- Ground Terminal
- Oil Alert Indicator Light
- Overload Indicator Light
- Output Indicator Light
- DC Receptacle
- DC Circuit Protector
- 120v 2000w
- Recoil Starting System
- 3 year Commercial Warranty

## RiOn Technical Data

Item Number		PRK2000EB
Voltage	VAC	120
Frequency	Hz	50 / 60
Power	W	1600
Electricity	A	13.5 / 7.0
Temperature	°F	68 - 1200
Air Flow	l/min	approx 250
Static Pressure	Pa	approx 3000
Dimensions	L x W x H(in)	13.38 x 3.93 handle 2.36
Emission Level	dB	64
Weight	lbs	2.8 with cord

*\* On all RiOn machine components  
(except heating element and nozzle)*

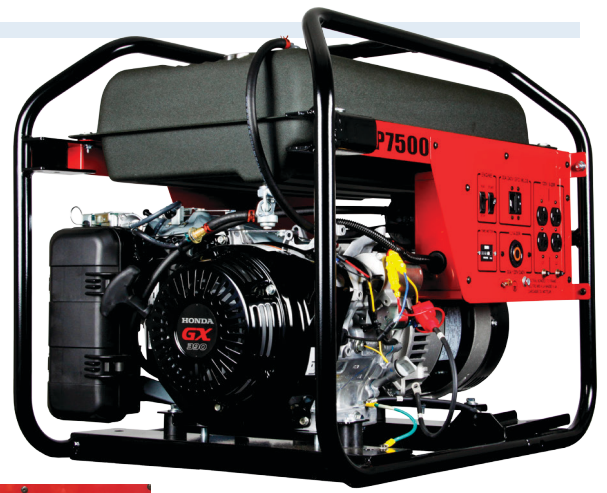
**Total kit weight 64lbs...  
weighs less than a bundle of shingles**



# Generator

## DP7500K

- Heavy duty , long lasting portable power for contractor and rental use
- Clean and dependable emergency electric power
- EPA approved engines and fuel systems
- 5%+/- harmonic engine distortion



## WL12000K

- Durable engine and fuel efficient design
- EPA and CARB approved
- Clean power at less than 5% total harmonic distortion
- Steady voltage regulation is safe for sensitive electronics
- Heavy duty capacitors and diodes
- 100% copper windings
- Industrial Square D mainline circuit breaker: Industry leading 1/60th second reaction time, Visi-Trip indicator
- Lifting bar makes it easy to get it on and off the roof while the 4 wheel dolly kit make maneuvering very easy, the preferred portable generator in the flat top roofing industry



## Technical Data

Model		DP7500K	WL12000K
Power	W	7,500	12,000
Output	VAC	120/240	120/240 Volt 1 PH
Starting	—	Electric/Recoil	Electric
Engine		Honda GX390	Honda GX630
Engine @ 3600 rpm	hp	13	22
Run-time	hrs	7	9 (full load)
Metering	—	Included	
Output Receptacles	—	(2) NEMA 520 20amp, (1) L-14-30 30amp	6x20A NEMA 5-20 GFCI 120V, 1x30A Locking NEMA L6-30 GFCI 240V, 1x60A NEMA 14-60 120/240V
Fuel Tank Capacity	Gal	8	15
Dimensions	L x W x H(in)	31 x 25 x 27.5	40 x 27.2 x 26.2
Weight	Lbs	210	412
Warranty	years	3 (gen), 3 (engine)	2 (gen), 3 (engine)

*\*\*Due to laws prohibiting the shipment of gas, oil & acid, our generator/deluxe kit will not include a 12v (std. lawn tractor) battery. It must be added upon customer delivery.*

# Choosing Your Power Source

**10,000 Watt Generator (Minimum)** for simultaneous use of hand and automatic overlap welders on the roof

**Commercial Grade Generators**, just like your tools, are generally not found in big box stores

## Harmonic Wave Distortion

- If the wave form distortion is higher than 10%, it can harm your electronic equipment
- Most big box store generators produce a 25% - 35% wave form distortion which can easily damage your equipment
- Your best choice is to choose a generator that carries a consistent electric load with a 6% - 7% wave form distortion

**More power is not better power** — machines and hand tools have a tolerance of plus or minus 10% in voltage to operate properly — although uncommon, a 440v line can, and most likely will damage your transformer, circuit boards and elements on your 230V equipment

**Volt Meters** are easy, fast and efficient ways to measure the power provided by your power source

**230v & 120v Outlets** for accommodating both tools 230v Power Line is required for automatic overlap tools — typical house/building power delivers only 208v, not the needed 230v

When buying used equipment always have it inspected by a generator repair company to test the stator before you buy that generator. The stator is what helps generate the voltage being supplied to your tools by the generator. A generator can start and run even if the stator is bad...but your tools wont get any voltage to make them work.

**FYI:** the stator is one of the most expensive replacement parts on your generator, so it is wise bringing a volt meter to test all of the power outlets and make sure you are getting proper voltage production on your outlets.

**Single Phase Electricity** while uncommon, some generators may have a 3 phase electric switch — this can damage your circuit boards and transformer on an automatic welder  
*\*\*Be sure you are using single phase electricity only*

**Full Tank of Gasoline** is always preferred — running tools on empty or nearly empty gasoline tanks can cause a power surge and can burn out the transformer and circuit boards

**Fill Your Generator Gasoline Tank** before you start and after lunch, when your generator is cool — avoid power surges due to low fuel

**Diesel Fuel** will not work on gasoline powered generators and gasoline will not work on diesel powered generators — know your generator before adding fuel

**Line Cord Length** should be no longer than 100ft using a 12 gauge wire for a hand or a 10 gauge wire automatic overlap welders. Stringing more than 100ft will cause a drop in voltage, causing an increase in amperage to you tool, burning our elements, circuit boards and potentially other components. It is recommended that the generator is on the roof, not the ground

# Safety GFCI

Meet NEC requirements for wet locations & temporary power

## What is a GFCI?

Electricity can be deadly! It is very important to realize the potential danger with electrical voltage because it is invisible and out of the minds of most individuals that operate electrical equipment. There are various methods of protecting people from electrical hazards. One way is the GFCI or GFI, Ground Fault (Circuit) Interrupter.

Most portable electric power tools are designed with an “equipment-grounding conductor” and many are double insulated. Both of these features are designed for ideal conditions. Therefore the tool must be in good working order and properly wired, and the environment should be clean and dry. A GFCI will sense a power problem (improper voltage, a short circuit, etc.) and shut down power to the tool and/or equipment. The short could be a direct ground between the tool and the ground with the operator being the conductor. This would be a very unhealthy position to be in. Electrical tools and equipment should be checked regularly to ensure they are in good condition, and always use a GFCI. It could save your life.



**GFCI Pigtail**

Item Number		1023	1320
Voltage	VAC	240	120
Electricity	A	30	30
Frequency	Hz	60	60
Trip Level	A	.005 +/- 1ma	.005 +/- 1ma
Response Time	Sec	.025 max	.025 max
Alarm		Audible & Indicator Light	Audible & Indicator Light
Safety		Double Insulated	Double Insulated
Ratings		UL & CSA class A	UL & CSA class A
Warranty		2 years	2 years

## All GFCI's are not created equal

Our GFCI is NEMA 6P rated which means it is appropriate for use in an industrial, outdoor setting where solvents, chemicals, UV light, and water may be present. Further, our GFCI has “open neutral protection” which meets OSHA requirements for confined space (a roof is considered confined space by OSHA). Our GFCI also has a “manual power up” and reset feature that requires the operator to manually reset the GFCI when initiating power (NEC Safe Start initiative) or to restore power after a “trip”. There is also an audible alarm feature when the unit is tripped, along with recessed buttons to reduce false tripping under rough conditions.

Our GFCI is made in the USA and comes with a full 2 year warranty. It is rated 240volt/30amp and 120volt/30am with a response time of 25 milliseconds maximum. When purchased with our 100 ft. power cable (10 gauge/3 wire) you can be sure that your power supply is being carried to your equipment properly and your personnel are well protected. We believe this is the best GFCI available and are confident you will agree with us once you have an opportunity to put it to the test.

## Technical Data

Item Number	L101/230v	L120/120V
Cord Length	100 ft.	100 ft.
Wire Type	10-3 SJO	10-3 SJO
Connectors	Water-Tite	Water-Tite
With GFCI	Yes	Yes

# Accessories

Our nozzles are Stainless Steel, not off-shore knock-offs. If you don't see the nozzle or accessory you're looking for, please call, we carry a huge selection!



Item # 107132 Push-fit wide slot 40mm nozzle



Item # 107133 Push-fit wide slot 40mm nozzle with preheat holes



Item # 107130 Push-fit wide slot 40mm nozzle with 60 degree bend



Item # 107123 Push-fit wide slot 20mm nozzle



Item # 107125 Push-fit wide slot 20mm nozzle with 60 degree bend



Item # 107131 Push-fit wide slot 80mm nozzle



Item # 107129 Push-fit wide slot 60mm nozzle



Item # 107124 Push-fit wide slot 20mm nozzle with 90 degree bend



Item # 22C  
1-3/4" silicone hand roller



Item # 22H  
1-3/4" cushion-grip heat-resistant silicone hand roller



Item # 22B  
4" heat-resistant silicone hand roller



Item # 22M  
1-3/4" roll and check silicone hand roller



Item # 22D  
1-3/4" extended offset fork cushion-grip heat-resistant silicone hand roller



Item # 22S  
Nylon V-Roller, 2" x 7/16" rounded edge radius



Item # 22E  
2" one-arm steel hand roller



Item # 22G  
Nylon cone detail hand roller



Rion heating element  
(100702)



Rion air filter  
(6601028)



Rion mica tube  
(100297)



Rion carbon brushes  
(6601039)



Rion power cord  
(5528H)



Laron heating element  
(107612)