

# *HY-TECH PRODUCTS*

# **ROOF PRO GENERATORS**

*Construction-Grade Portable Power*



*Made in the USA*



*Call Today: 877-482-3983*



## **About This Brochure**

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# HY-TECH ROOF PRO GENERATORS

## *A New Breed of Construction-Grade Portable Generators*

Built by roofers, for roofing and construction contractors, Hy-Tech's heavy-duty portable generators are commercial and industrial job-site tested.

Fully backed by our world-class customer service, these generators are built to withstand the demands of any construction site.

**Made in the USA**, some of the features you'll find standard on all our portable generators include:

- [Consistent, clean portable power](#)
- Superior power output
- Rugged, durable Honda engines
- Unrivaled mobility on the ground or around roof decks
- Compliance with [EPA and CARB regulations](#)

## Contact Hy-Tech Products

Interested in learning more? Contact one of our representatives at **877-482-3983** or [info@hy-techroof.com](mailto:info@hy-techroof.com).

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# ROOF PRO 12,000

*Heavy-Duty Portable Power*



*“None compare to the Roof Pro 12,000. The generator’s bigger, the capacitors don’t blow as easy, and the cart makes moving around the roof a breeze.”*

—Sean Cash, Garlock East



# ROOF PRO 12,000 PORTABLE GENERATOR

## *HEAVY-DUTY PORTABLE POWER*

The Roof Pro 12,000 is the **first generator designed by roofers specifically for commercial roofing contractors**. A true workhorse, the Roof Pro 12,000 includes the features that matter most to roofers, including:

- Clean, consistent power
- Simultaneous power to one 240-volt machine and up to three 120-volt tools
- Lifting eye for easy hoisting
- Narrow width to easily move through doorways
- Durable Honda GX630 engine
- Extended run fuel tank (15 gal.)—9 hrs. of run time on a full load
- 2-year warranty
- CARB & EPA compliance
- Locking brake system
- Volt meter



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## ROOF PRO 12,000 ADVANTAGES

### *Superior Power Output*

Drawing too much power from your generator by plugging in too many tools can overheat its internal components—namely diodes and capacitors—which, if blown, render the generator useless.

We've put safeguards in place to protect your generator investment, without sacrificing power output. With the Roof Pro 12,000, **power one 240V tool and up to three 120V tools simultaneously.**



### *Clean, Consistent Power*

Power fluctuations—or harmonic distortions—directly affect equipment performance, and **generators with more frequent fluctuations will overheat, short out and damage the internal electrical components** of your power equipment.

The Roof Pro 12,000 operates at **only 3% or less total harmonic distortion (THD)** under full load, ensuring your equipment consistently operates as efficiently as possible. The IEEE recommends less than 5% THD when power tools with programmable interfaces.

### *Durable Honda Engine*

The Roof Pro 12,000 features the **durable, long-lasting Honda GX630**—a V-twin OHV engine with cast-iron cylinder sleeves and an electric start.



#### **Total Harmonic Distortion n.**

1. *The average percentage an electrical current's fluctuations differ from what the current would be under ideal conditions.*

*[Click Here to Learn More](#)*



## ROOF PRO 12,000 ADVANTAGES

### *Extended-Run Fuel Tank*

The Roof Pro 12,000's **15-gallon fuel tank translates to 9 hours of run time at full load (15 hours at half load)**, keeping you productive longer. Compare this to some of the other top generator brands, including Honda and Briggs & Stratton.



### *CARB Compliant and Quiet Operation*

The Roof Pro 12,000 is **California Air Research Board (CARB) and Environmental Protection Agency (EPA) compliant**, satisfying the most stringent carbon-emission laws.

*According to the EPA, compliant engines may cost more, but durability and fuel efficiency typically improve, saving you money in the long run.*

*[Click Here to Learn More](#)*

In addition, this generator **operates at 75 decibels**—quieter than most other comparable generators on the market.

### *Cord Management System*

The Roof Pro 12,000 comes equipped with a **cord management system**, which protects a tool's cord from being accidentally yanked out of the outlet.



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## ROOF PRO 12,000 ADVANTAGES

### Easy Ground-to-Roof and On-Deck Movement

For **easy mobility on the roof, and transportation from one job site to another**, the Roof Pro 12,000 generator offers the following features:

- A single-point lifting eye
- Four-wheel dolly kit with ball-bearing caster wheels for turning on a dime
- Locking brake system
- Flat-free, lightweight tires
- 1.25-in., 13-gauge tubular steel frame
- Fold-down, pull handle
- Narrow width for easy movement through standard doorways



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# ROOF PRO 12,000 TECHNICAL SPECS

<b>Max. Power Rating</b>	12,000 W
<b>Cont. Power Rating</b>	10,800 W
<b>Voltage</b>	120 / 240V single phase
<b>Cont. Current Rating</b>	45 / 90 amps
<b>Total Harmonic Distortion</b>	3% under full load
<b>120-Volt Receptacles</b>	3, NEMA 5-20R, 20 amp
<b>240-Volt Receptacles</b>	1, NEMA 6-50R, 50 amp
<b>Capacitor</b>	425 V
<b>Diodes (lifetime warranty)</b>	25-amp, 1,200V
<b>GFCI</b>	All outlets independently protected
<b>Circuit Breaker</b>	Square D with 1/60th second trip time (industry leading)
<b>Outlet Covers</b>	All outlets protected by UL-listed metal covers
<b>Engine</b>	Honda GX630
<b>Cylinder Sleeves</b>	Cast iron
<b>Displacement</b>	688cc
<b>OHV Engine</b>	Yes
<b>Warranty</b>	2 years

<b>Fuel Tank Capacity</b>	15 gallons
<b>Run Time @ Full Load</b>	9 hours
<b>Run Time @ Half Load</b>	15 hours
<b>Low-Oil Protection</b>	Yes
<b>Start Type</b>	Electric
<b>Decibel Rating @ 7 Meters</b>	75 dBA
<b>CARB Compliant</b>	Yes
<b>EPA Compliant</b>	Yes
<b>Single-Point Lifting Eye</b>	Yes
<b>Dolly Kit</b>	4-wheel with ball-bearing casters
<b>Frame</b>	1.25 in., 13-gauge tubular steel
<b>Locking Brake System</b>	Yes
<b>Pull Handle</b>	Yes, fold down
<b>Dimensions</b>	39.5 x 26.5 x 26 in.
<b>Weight</b>	390 lbs.
<b>Fuel Gauge</b>	Yes, on gas cap
<b>Hour Meter</b>	Yes
<b>Volt Meter</b>	Yes
<b>Made In</b>	USA

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# ROOF PRO 3,000

*Handheld Portable Power*



*“My guys really like how noticeably quieter it is. You can imagine how annoying it gets being on a roof with other, louder generators all day.”*

—J.J. Smithey, Frost Roofing



# ROOF PRO 3,000 PORTABLE GENERATOR

## *HANDHELD PORTABLE POWER*

The Roof Pro 3,000 is built to supply **quick, clean and consistent power anywhere on a roof deck**. It was designed specifically for hard-to-reach areas, repair work and one-man jobs.

### *Features*

- Clean, consistent power
- Powers one 120V tool
- Lightweight (68 lbs.)
- Ergonomic carrying handle
- Durable Honda GC160 engine
- Less than 6% harmonic distortion
- +/- 5% voltage regulator
- 12-month warranty
- CARB and EPA compliant
- Made in the USA



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## ROOF PRO 3,000 ADVANTAGES

### *Clean, Consistent Power*

Dampeners and skewed rotors provide for less than 6% total harmonic distortion to keep your power tools running consistently, and reduce the chance of power fluctuations that can overheat a tool's electrical components.



### *Durable Honda Engine*

The Roof Pro 12,000 features GC160, the lightest Honda engine in its class. This engine features a tough-resin overhead cam designed for durability and low noise.



### *Low Carbon Emissions*

To satisfy both **CARB and EPA carbon emission regulations**, the Hy-Tech Roof Pro 3,000 features a charcoal carbon canister to capture excess pollutants and recycle them back into the engine.

### **CARB Compliance**

*The California Air Resources Board enacted its own set of emission regulations, which are more stringent than those put in place by the EPA.*

***[Click Here to Learn More](#)***

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## ROOF PRO 3,000 ADVANTAGES

### *Quiet Operation*

Cut down on job site noise by selecting a quieter portable generator. The Hy-Tech Roof Pro 3,000 **operates at 72 dBA from 7 meters away**, slightly louder than a hair dryer (70 dBA).

### **Shopping Tip**

*Many generator manufacturers measure noise levels at approximately 23 ft. (or 7 meters). Make sure you are comparing generator decibels at the same distances.*

***[Click Here to Learn More](#)***

### *Easy Movement Around a Job Site*

Designed so one person can easily move it around a construction site, the Roof Pro 3,000 is lightweight (68 lbs.), offers an ergonomic carrying handle, dual-point lifting eyes, and vibration isolator feet for stability and to prevent generator stress.



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## ROOF PRO 3,000 Technical Specs

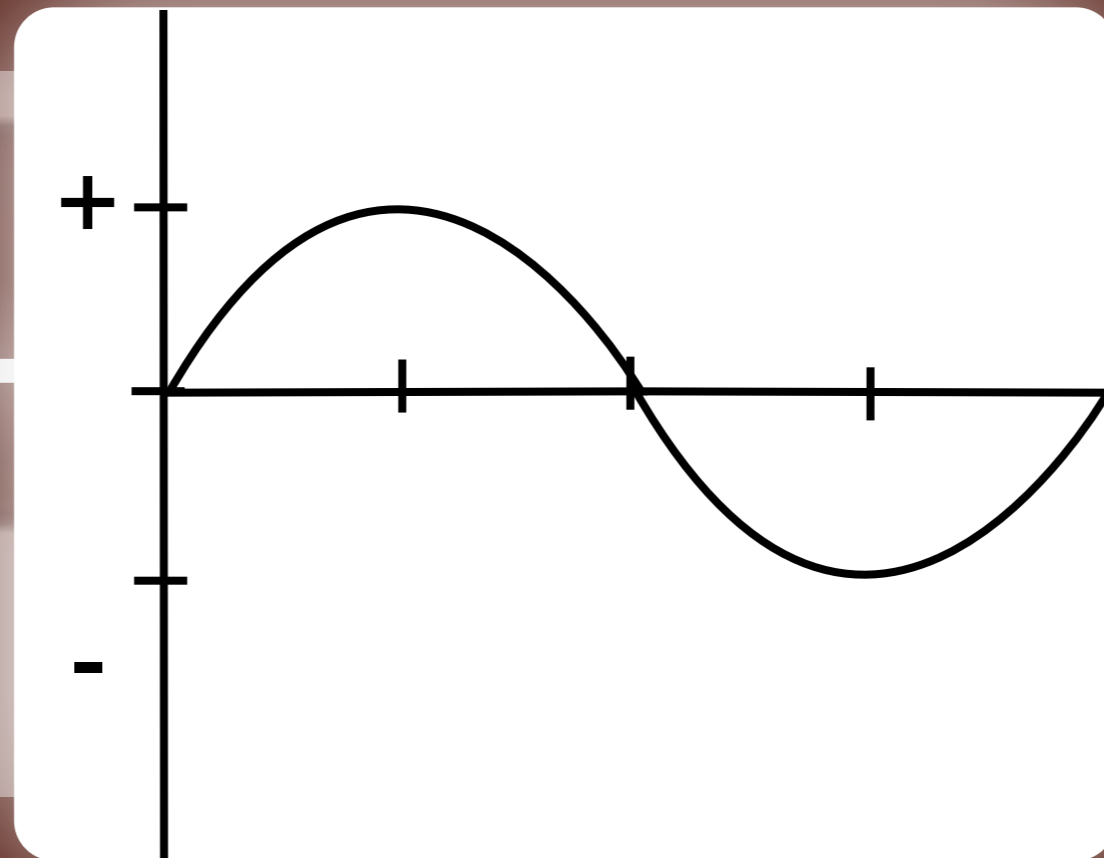
<b>Max. Power Rating</b>	12,000 W
<b>Cont. Power Rating</b>	10,800 W
<b>Voltage</b>	120 / 240V single phase
<b>Cont. Current Rating</b>	90 / 45 amps
<b>Total Harmonic Distortion</b>	3% under full load
<b>Voltage Regulation</b>	+/- 5%
<b>Frequency Regulation</b>	+/- 3%
<b>120V Receptacles</b>	2 x 20 amp NEMA 5-20R
<b>Copper Windings</b>	100%
<b>GFCI</b>	Yes
<b>Circuit Breaker</b>	20 amp
<b>Engine</b>	Honda GC160, lightest in its class
<b>Engine Type</b>	Tough-resign OHC
<b>Uni-Block Construction</b>	Yes
<b>Displacement</b>	160 cc

<b>Fuel Tank Capacity</b>	2 QT
<b>Run Time @ Full Load</b>	1.1 hours
<b>Run Time @ Half Load</b>	1.5 hours
<b>Low-Oil Protection</b>	Standard
<b>Start Type</b>	Recoil pull start
<b>Decibel Rating @ 7 Meters</b>	72 dBA
<b>CARB Compliant</b>	Yes
<b>EPA Compliant</b>	Yes
<b>Charcoal Canister</b>	Yes, built into gas cap
<b>Lifting Eye</b>	Yes
<b>Carrying Handle</b>	Yes
<b>Stability Support</b>	4 vibration isolator feet
<b>Dimensions</b>	21.4 x 14.5 x 16.5 in.
<b>Weight</b>	68 lbs.
<b>Warranty</b>	12-month
<b>Made In</b>	USA

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# RESOURCES



4 questions to ask before buying a portable generator, and other useful purchasing resources.

## 4 Questions to Ask Before Buying a Portable Generator

When shopping for a commercial portable generator, there are certain questions you must ask to ensure you get the right power source for your needs:

### *1. Will this satisfy my typical job requirements?*

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As you're shopping for a portable generator, think through the power requirements associated with your typical project:

- How many tools do you run simultaneously?
- What are the power requirements of those tools (i.e. 240V, 120V, 60V)?

Match your generator to the typical job power demands. Make sure to also **ask if all available power outlets can be used simultaneously**, as some generators may blow capacitors and diodes if too many tools are plugged in.

### *2. How consistent and clean is the power supply?*

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Look for a generator that offers a low [total harmonic distortion](#) to protect your equipment and ensure that it operates at peak efficiency. Harmonic distortion is when there are spikes and valleys in the electrical current, which can overheat and melt internal components if experienced frequently.

This is **highly pertinent to roofing equipment with programmable interfaces and digital displays**, which tend to have more complex electrical systems.

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## 4 Questions to Ask Before Purchasing a Portable Generator

### 3. How easily can you move the generator from job to job?

For projects that require power on a roof deck, make sure the portable generator you select offers features that support **hoisting and passage through narrow doorways**.

If you will use a hoist, the generator you select should offer a lifting eye, secured to the generator's metal frame to ensure years of safe, reliable hoisting.

A hoist won't always be an option, so you'll also want to make sure your generator's width is narrow enough to fit through a standard door frame, which is between 30 and 36 inches, and that it has a dolly kit to allow for navigation through narrow hallways. If possible, take it for a test drive.

### 4. How long can it run before refueling?

To avoid unnecessary downtime, purchase a generator that offers a **large fuel tank**. Typically, generator tanks hold between 7 and 10 gallons, which will offer approximately 9 hours of run time on a half load.

In contrast, the Hy-Tech Roof Pro 12,000 offers a 15-gallon fuel tank, which provides 9 hours of run time on a full load (15 hours on a half load). This translates to less frequent fill ups, and greater productivity.

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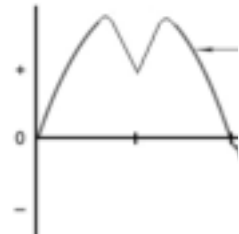
## Additional Resources

If you need more information about what to look for in a portable generator, we offer the following resources:



### **Portable Generator Noise Levels: Understanding Decibels (dBA)**

Learn how to compare the noise levels of portable generators before you buy. [Click to learn more.](#)



### **Total Harmonic Distortion's Effect on Construction Power Equipment**

Total harmonic distortion affects the consistency of your portable generator's power output. Here's what to look for when purchasing a portable generator. [Click to learn more.](#)



### **Portable Generators: CARB and EPA Regulations and Compliance**

Look for these certifications when buying a portable generator to avoid fines from violating environmental regulations. [Click to learn more.](#)



### **Avoid a Common Cause of Portable Generator Breakdowns**

Find out how to avoid circuit overload when using a portable generator. [Click to learn more.](#)

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# Working With Hy-Tech Products



*“We’ve worked with Hy-Tech for more than 20 years, and I wouldn’t think of going anywhere else. Their service is fantastic. If we need something, and they have it in stock, I will have it the next day; and if it’s an emergency, they will drive it out to me that day.”*

—Gary Carpenter, Kelley & Carpenter Roofing



## World-Class Service & Support

Hy-Tech Products, Inc. is a [full service and repair center](#) with the **state-of-the-art facility and experienced technicians** needed to quickly troubleshoot, diagnose and repair your generator to like-new condition.

### *As part of our world-class service, we offer:*

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- **Live Video Chat** — Connect with us from the job site. We can set up live video chats with you and your tools, remotely see what you see, quickly troubleshoot issues, and then recommend quick fixes or next steps.
- **Expertise** — Certified technicians are employed full-time to help you find the right generator or roofing tool for your unique needs.
- **Equipment** — State-of-the-art instrumentation and tools to run diagnostic tests, make repairs and recalibrate settings.
- **Preventative Maintenance** — With each repair, we also perform any necessary preventative maintenance to prolong the life of your equipment and help avoid future breakdowns.
- **Inventory** — We stock tools and parts onsite to streamline order shipment and repairs.
- **Rentals** — We'll loan you a replacement tool while we repair your broken one so you can avoid costly delays.



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# Contact Hy-Tech Products



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*[info@hy-techroof.com](mailto:info@hy-techroof.com)*