GAS ENGINE EQUIPMENT

JOB SITES ARE TOUGH; THESE GAS-POWERED MACHINES ARE UP TO THE TASK

Although cordless power is making inroads, nothing beats gas-powered machines for power, runtime and portability for the really tough jobs. But weight, reliability, noise and emissions have always been concerns. The latest generation of gas engine powered equipment combines lower emissions, enhanced durability, longer runtimes and more operator convenience features than ever before. These six leading manufacturers have the category humming.

GENERAC

“What the PROi may be easy to handle, the unit packs a punch,” explains Gus Armbruster, product manager, Handheld Construction Tools. “Atlas Copco also designed the PROi with a custom electronic fuel injection system that uses just three psi, 40 psi less than standard EFI systems. This approach minimizes pressure variations and voids in the fuel, ensuring smooth running.”

Hand-arm vibration on three axes is below 4 m/s² to minimize operator fatigue. This light, compact machine weighs just 53 pounds, so users can easily move it and transport it in a car’s trunk.

“When the PROi is used with electronic fuel injection, there is no need to choke the breaker during startup. This ensures dependable startup performance in cold and hot climates. And, since the Cobra PROi stays in tune, maintenance is minimal.

HONDA

“Market demand for portable generators of less than 4,000 watts is growing, and Honda Power Equipment is meeting this demand by expanding its portfolio of quiet, portable power, with a new open-frame inverter (OFI) generator, the model EB2800i for light construction applications. It delivers more of what Honda generator customers expect: quiet operation, high-quality power, fuel efficiency and long run times in a lightweight, portable package.”

Because the breaker has fuel injection, there is no need to choke the breaker during startup. This ensures dependable startup performance in cold and hot climates. And, since the Cobra PROi stays in tune, maintenance is minimal.

ATLAS COPCO

Atlas Copco achieves a new level of reliability and operator convenience with its PROi gas breaker, the industry’s first with electronic fuel injection (EFI). The Cobra PROi provides as much as 10 percent more power than its predecessor, the PROe, at all working speeds, while optimal combustion reduces fuel consumption by as much as 10 percent. And, thanks to its EFI, operators can start the breaker in almost any climate or at any attitude.

“An integrated mechanical fuel pump employs a unique system that maintains constant pressure to the regulator without electricity,” explains Gus Armbruster, product manager, Handheld Construction Tools. “Atlas Copco also designed the PROi with a custom electronic fuel injection system that uses just three psi, 40 psi less than standard EFI systems. This approach minimizes pressure variations and voids in the fuel, ensuring smooth running.”

Hand-arm vibration on three axes is below 4 m/s² to minimize operator fatigue. This light, compact machine weighs just 53 pounds, so users can easily move it and transport it in a car’s trunk.

“When the PROi is used with electronic fuel injection, there is no need to choke the breaker during startup. This ensures dependable startup performance in cold and hot climates. And, since the Cobra PROi stays in tune, maintenance is minimal.

HONDA

“Market demand for portable generators of less than 4,000 watts is growing, and Honda Power Equipment is meeting this demand by expanding its portfolio of quiet, portable power, with a new open-frame inverter (OFI) generator, the model EB2800i for light construction applications. It delivers more of what Honda generator customers expect: quiet operation, high-quality power, fuel efficiency and long run times in a lightweight, portable package.”

Because the breaker has fuel injection, there is no need to choke the breaker during startup. This ensures dependable startup performance in cold and hot climates. And, since the Cobra PROi stays in tune, maintenance is minimal.
leading inverter technology and innovative features at an affordable price for industrial users.”

At an industry-leading dry weight of less than 67 pounds, the EB2800i is light enough for one person to load and unload from a truck, operate, and carry around the job site, all while providing ample power for small compressors, air circulation fans, large concrete drills, electric concrete vibrators, circular saws and battery chargers up to 2,800 watts.

The Honda EB2800i complies with current OSHA and LA-ETL regulations while ensuring safe operation with GFCI protected receptacles.

The Honda EB2800i offers a maximum 2,800 watts of electricity with a wave form distortion factor of less than five percent for a wide range of applications. Ease of use also is key for any portable generator, and this all-new open-frame inverter model includes easy-start control panel instructions.

The Honda EB2800i generator is equipped with rugged, full-frame protection. Its Eco Throttle conserves fuel by varying engine speed to the optimum level depending on load and a 2.1-gallon gas tank provides 5.1 hours of operation at rated load or 12.1 hours at 1/4 load.

Mi-T-M Work Pro Series air compressors are designed specifically for professional contractors and serious DIYers. Their easy-to-use components and wheellbarrow design make them extremely portable. Powder-coated tank receivers sit on base plates designed to reduce vibration and both the single- and two-stage models can power everything from impact wrenches to drills and nail guns.

Two new Work Pro Series air compressors were recently added to the Mi-T-M line-up. These 8-gallon units deliver 7.1 cfm of compressed air at 90 psi and are perfect for small jobs around the house and big jobs around the shop.

“Mi-T-M’s gas-powered equipment provides more power than battery-powered equipment, creating high demand in the construction industry,” Hoefer says. “However, regulatory mandates for lower emissions have continued to be a concern in about every industry, therefore many engine suppliers are exploring battery power as an option. The latest models of lawn mowers and tools are battery powered; even electric-hybrid construction machines are starting to make an appearance.

The question is, will battery power be able to reach the performance CONTINUED ON PAGE 58

Mi-T-M Work Pro Series air compressors are designed specifically for professional contractors and serious DIYers. Their easy-to-use components and wheellbarrow design make them extremely portable. Powder-coated tank receivers sit on base plates designed to reduce vibration and both the single- and two-stage models can power everything from impact wrenches to drills and nail guns.

Two new Work Pro Series air compressors were recently added to the Mi-T-M line-up. These 8-gallon units deliver 7.1 cfm of compressed air at 90 psi and are perfect for small jobs around the house and big jobs around the shop.

“Mi-T-M’s gas-powered equipment provides more power than battery-powered equipment, creating high demand in the construction industry,” Hoefer says. “However, regulatory mandates for lower emissions have continued to be a concern in about every industry, therefore many engine suppliers are exploring battery power as an option. The latest models of lawn mowers and tools are battery powered; even electric-hybrid construction machines are starting to make an appearance.

“The question is, will battery power be able to reach the performance...
SMALLER IS BETTER

DRILL HOLES IN MORE PLACES WITH THE ULTRA LOW PROFILE HMD130 MAGNETIC DRILL.

HMD130 MAGNETIC DRILL

WEIGHs only 23.8 lbs

Only one gas can for all their power equipment.

This new four-stroke power cutter runs quieter, idles smoother and is more fuel efficient," Fernandez says. "It also has several other innovative features including automatic decompression which reduces pull-starting force by up to 40 percent, and an all-aluminum integrated wheel kit that retracts when not in use."

The EK7651H has a 4.6-ci (75.6 cc) engine with 4.1 hp (maximum horsepower) and a no load speed of 9,350 rpm to take on the most demanding applications.

In addition, the pressure-compensating carburetor with vented choke plate is engineered to reduce flooding by automatically adjusting to deliver the proper amount of fuel. For easier use and maintenance, the EK7651H has a five-stage foam-paper-nylon filtration system with Advance Direction Air Flow to provide cleaner air to the engine for improved engine durability.

"The conversation is no longer about slightly more power or a little less weight; it is now about how much this new job site solution can save in run costs, repair and maintenance expenses and productivity," Fernandez states. "The future of power cutters is now, and the EK7651H is in a class by itself."

Yamaha

Yamaha is known worldwide for having an extensive line of the most durable and reliable power products and multipurpose engines. With more than a dozen generators and inverters, from the compact and lightweight EF1000iS to the commercial-grade EF12000DE, Yamaha provides plenty of power for small to big jobs.

"When you look at customer trends in commercial power products, you can see three areas where Yamaha focuses a lot of attention: durability, efficiency and convenience," says Derek Schoebert, business planning manager. "On construction sites, durability and reliability are critical, and Yamaha’s long-standing reputation in these areas – plus a three-year limited factory warranty on commercial use for all of Yamaha’s generator models – delivers maximum confidence."

"Efficiency is also important on industrial jobs. Looking at one of our popular commercial generators, the EF7200DE (MSRP $1,699) delivers 7,200 watts of total output and can run up to eight hours at full load saving hundreds of dollars in fuel costs compared to competitive models."

Yamaha’s four-stroke model EF7000iSE generator delivers 7,200 watts of power in an easily portable unit that has electric start and offers eight hours of run time at full load.

Convenience comes in many forms, and Yamaha’s PW4040 industrial pressure washer (MSRP $1,099) makes clearing dirt, dust and debris at the end of a job easy. Spraying up to 4 gpm at 4,000 psi, the PW4040 offers reliable performance, folding handles and never-flat tires. A durable 60-foot rubber-coated braided steel hose offer substantial mobility and range for any project.

Yamaha’s best-selling model EF7000iSE delivers 7,200 watts of total output and can run up to eight hours at full load saving hundreds of dollars in fuel costs compared to competitive models."

Another example, the EF2000iSv2 (MSRP $1,099) is a 44-pound compact, quiet and lightweight inverter that provides efficient power to a wide range of tools and devices. For extra power, two EF2000iSv2s can be connected via a convenient parallel function that allows them to work together to deliver up to 30 amps.

If removing water is the priority, Yamaha is known for the PW5020 rinse unit that has electric start and delivers 1,700 gpm at 4,000 psi. The PW5020 delivers 3.1 gpm at 4,000 psi to remove water and debris and 3.2 gpm at 2,700 psi for pressure washing and cleaning. It weighs less and is more compact than its predecessor, the PW5040, and includes a new mag blast feature that utilizes more water and has two new standard features: a trigger lock and a quick-release attachment system.