



MADE IN USA



START PAC®

Starts the World

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Self-Propelled Gasoline-Electric Hi-Brd™

Patent Pending



Specifications

Structure

1. Check fuel and oil levels before every use.
2. Set the throttle to half-way up position.
3. Turn the ignition key to start the engine and choke if necessary.
4. Allow the engine to warm up for a few minutes.
5. Plug power plug (3-pin connector) into aircraft.

Durable powder coat finish in high-visibility yellow

Overall Dimensions:

72" L x 48" W x 56" H

1200 Lbs.

6. Accelerate the engine to 3600-3650 rpm by moving the throttle upwards. Now the aircraft systems can be turned on. The engine and generator provide the necessary power for engine starting. It is not necessary to run the engine for starting capabilities.
7. After starting, the engine should be left running for approximately 10 minutes to recharge the starting batteries.
8. When finished charging or powering up aircraft systems, the engine should be shut down.
9. For maximum life, the batteries should be kept charged to 100% when not in use.
10. Follow service instructions in the Kohler engine owner's manual.

- Volt meter
- Ammeter
- Hourmeter
- Tachometer
- Battery charge indicator
- Low oil pressure indicator light

All Start Pac® products come with a 1-year warranty on workmanship and material. Therefore, are not covered under this warranty. Cost for premature failure of batteries can be calculated using the following formula:

$$\text{Initial cost of batteries} \times \text{time used (in months)} \times \frac{1}{12} \text{ gal.} \times \frac{\text{per hour}}{\text{Batteries}} = \text{Replacement Cost}$$

Please handle this unit in a responsible manner. Start Pac® is not responsible for damages caused by misuse or neglect.

For technical assistance, contact Jim Wurth, chief engineer, directly at (928) 231-4536 or jim@startpac.com.

Start Pac is a registered brand and Hi-Brd is a trademark name both under Rotorcraft Enterprises, LLC.

OPERATING INSTRUCTIONS

This GPU will power up 28.5 VDC aircraft systems and start an electrically-started engine. The unit can be easily positioned with the self-propelled feature and thus does not require a tug, but can be towed if necessary. This Start Pac® is constructed with a heavy duty frame and cabinet, five removable doors for easy access and servicing, and wide tires for traction and stability. The Hi-Brd batteries provide most of the starting power resulting in an automatic soft start and with the generator running a more robust start will be accomplished. The batteries can also function as a back-up source of power for a short period of time if the unit were to run out of fuel.

Features

- Automatic soft start
- Automatic high temperature shutdown
- 140 Amp-hour recombination sealed non-hazardous, maintenance-free batteries for starting
- Emergency DC power disconnect
- Powered by a 26HP liquid-cooled Kohler engine
- Automotive type steering and wheels
- Self-propelled forward and backward
- Speed controlled
- Can be towed
- Emergency brake

Options

Built-in 2000W inverter to provide 110VAC power for servicing equipment such as vacuum cleaners, electric tools, and trouble lights.