

HAG Series Gen-set



**Exclusive Power source for ISKCO 48 volt,
3ph, 240hz products.**

Introduction

Thank you for your purchase of the ISKCO HAG series 48-volt generator. This unit is designed to provide optimum performance when properly used with compatible 240hz vibration equipment. Prior to the use of this generator it is very important that you read the following instructions so that you may understand the proper operation and maintenance of the unit. Failure to adhere to the instructions provided may void the product warranty.

HAG Characteristics

- **Permanent magnet design:** No windings, slip ring or carbon brushes.
- **Enclosed generator case:** Protects unit from dust & other contaminants.
- **Overload protection:** Prevents premature damage to vibrators and the unit itself during high amperage situations.
- **Oil Alert:** Prevents the engine from operating when oil level is low.
- **4 Cycle engine:** Durable, clean burn engine for trouble free operation.

Caution!!

- **Check oil level before starting engine. NOTE:** Units are shipped containing no oil.
- Do not run the generator in an enclosed area. Failure to operate this generator in a ventilated environment can be hazardous.
- Never use an extension cord other than that recommended by the manufacturer. Contact your local dealer for the correct extension cord.
- Do not overload the generator by operating too many vibrators. See chart below for proper vibrator selection.
- **Always operate the generator at FULL SPEED...failure to do will cause damage to the vibrators.**

HAG Selection Chart (**Do not exceed the chart specifications**)

Model	HBM40ZX	HBM50ZX	HBM60ZX	HKM75LFS
HAG122	3	2	1	1
HAG134	5	3	2	2

Operation

For optimum performance and safety be sure to operate the generator according to the instructions specified in this manual.

Check the oil level before operation!

- (1) Fill gas tank and open petcock to allow fuel to flow into the carburetor.
- (2) Adjust the throttle handle to the run position and move the choke to the closed position. (If re-starting the generator while still warm, keep the choke in the open position).
- (3) Be sure the overload protectors are in the OFF position.
- (4) Pull recoil starter
- (5) Once the engine starts, gradually move the choke to the open position
- (6) Throttle the engine to **full speed**.
- (7) Turn the overload protector(s) to the ON position before turning on the vibrators. NOTE: Start vibrators one at a time to avoid overloading the generator.
- (8) **Always turn vibrators “on / off” with the vibrator switch...do not use the generator OVL’s as the on / off device or slow down or shut off the generator without first turning “off” the vibrators at the vibrator switch. Failure to do so can cause damage.**

Generator Shutdown

Use the following instructions when shutting the generator off.

- (1) Turn the concrete vibrators OFF using the vibrator switch
- (2) Turn generator overload protector(s) to the OFF position
- (3) Return generator to idle speed for approximately 2-3 minutes
- (4) Turn the engine switch off
- (5) Close the fuel petcock.

If storing the generator for a extended period time, turn fuel petcock off and allow engine to run until shut down to insure fuel in not remaining in the carburetor bowl.

Generator maintenance

- Clean the pins of the output receptacles with wire brush to insure maximum electrical performance.
- Tighten all loose nuts and bolts.
- Check exposed wiring for cuts or loose connections.

Engine maintenance

- See the enclosed engine service manual for safety precautions and engine maintenance instructions. Contact your local dealer to obtain more information.

Electrical Ground:

The HAG series generators are a low voltage output system (48volt, 3ph, 240hz loaded). As specified in the National Electrical Code (NEC) part 250.21 & 250.22 any “stand alone” low voltage system under 50 volts AC (loaded) does not require a ground.

If an inspector on a specific job site “request” a grounded system, the HAG series units are equipped with a “ground lug” connection located on the side of the electrical control panel. Simple attach a length of appropriate wire to the ground lug and attach to a ground connection as deemed acceptable to the inspector.

Warranty

ISKCO, Ltd. warrants to the purchaser that the equipment to be delivered herein will be free from defects in material, workmanship and title and will be of the kind and quality designated or described in the contract. The foregoing warranty is exclusive and in lieu of all other warranties whether written or implied (including any warranty of merchantability or fitness for purpose). If it appears within six (6) months from the date of shipment by the Company that the equipment delivered herein does not meet the warranties specified above and the purchaser notifies the Company promptly, the Company shall thereupon correct any defect, including non-conformance with the specifications, at its option, either by repairing any defective part of parts or by making available at the Company’s plant, a repaired or replacement part.

In no event will ISKCO, Ltd. be liable for business interruptions, loss of profits, personal injury, cost of delay, or for any other special, indirect, incidental, or consequential losses, costs, or damages.