

HIGH QUALITY ELECTRICITY FROM THE ENGINE

The variable generator system (HGV) is designed for vehicles such as vans, trucks and boats to produce high quality 230V 1-phase or 400V 3-phase electricity. The HGV system is available in vast power range, starting from 3,5kVA.

The system is a complete solution, that is also suitable for carrier machines without an existing hydraulic system.

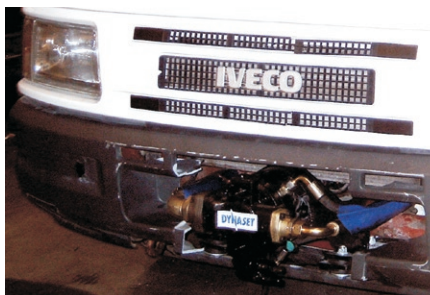
Comprising small sized components, the HGV system is easy to place in tight spaces. It is quiet in use.

The system, connected directly to the main engine of the carrier machine, operates smoothly on a wide RPM range, from idle to full speed. As the system requires no extra fuels and operates well on low revs, using the system is inexpensive.

The core of the system is a hydraulic generator, which transforms the hydraulic power into electricity. The automatic speed control valve and automatic voltage control make the generator safe and reliable in use.

In addition to the generator, the system includes a hydraulic pump, solenoid control valve and oil cooler, either as a part of the generator or as a separate unit. When needed, a compact oil tank can also be incorporated into the system

Installing an external junction box and/or even several outlets make sure that the electricity is conveniently available for many devices, all around the vehicle.



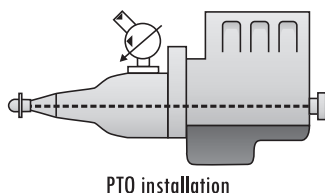
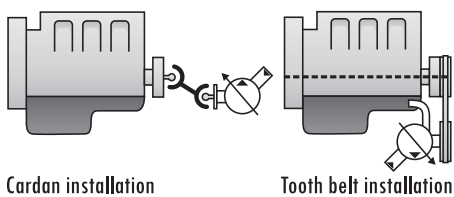
▲ A rescue boat requires reliable electricity in all conditions. With the HGV-system installed, all powerful lighting towers, heavy rescue tools and pumps etc are reliably powered when and where ever needed.

Generator, the heart of the compact HGV system, is located in the engine room along with the oil tank. Sjunction box and outlets are easily accessible on the deck.

➤ Installed in the storage room of a van, the 20 kVA HGV system occupies only little space.

◀ A pipeline renovation car needs a lot of power eg for running a big winch. The HGV system satisfies the need with no problem. The generator is installed in an external box, junction box and outlets are neatly inside the back of the car.

◀ If the vehicle does not have a ready PTO, the hydraulic pump of the HGV system can be installed safely and effectively with cardan (front pump) or tooth belt installation



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