



ELECTRIC-HYDRAULIC POWER PACKS

Dieseko Group offers Electric Hydraulic Power Packs by using Permanent Magnet Motors. Due to the high efficiency, the absence of emissions the low noise and the saving of energy a Permanent Magnet Motor makes a big difference in comparison to induction motors and combustion engines.

DIESEKO GROUP POWER PACKS

- IN-HOUSE ENGINEERING
- OEM MANUFACTURING
- CUSTOMISED DESIGN

PERMANENT MAGNET MOTORS

Permanent Magnet motors (PM) have existed for some time now, but their price level and non-standard nature, compared to induction motors, meant that until recently they were only suitable for very specialised applications. However, the benefits of PM motors in hydraulic power packs (PM-HPP) are significant. They are very compact, deliver higher torque and the engine can react faster to speed or load changes. Perhaps the greatest benefit is the fact that they are up to 5% more efficient than comparable induction motors. An additional benefit is that the operational costs are much lower, due to the lack of an internal combustion engine with all its components and maintenance and service costs.

Dieseko Group sees many benefits in using this technology, and is making use of all its acquired knowledge to develop a completely new generation of Hydraulic Power Packs.

BENEFITS

Important benefits compared to diesel engines are:

- Weight saving due to compact engine and lack of diesel tank
- No emissions
- No Stage or Tier discussion in, for example, the US and Canada
- No longer dependent on the quality of diesel fuel in, for example, Africa
- Full torque even at 0 RPM
- Very suitable for working in enclosed spaces, such as buildings and tunnels, due to the lack of emissions
- Large service interval (1000 hours)
- Can be used on main grid or generator



Compact and robust

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WHY SHOULD YOU CHOOSE PM-HPP?

Dieseko Group builds hundreds of Hydraulic Power Packs (HPP) every year. We use dedicated engineers and designers when developing these HPPs. Clients are often involved in the development process, for example when realising tailor-made HPPs or for specific purposes. We adhere to the highest quality standards during the production process. Dieseko Group manufactures in accordance with the latest emission-related standards for noise and the environment. Safety is of paramount importance when our products are being built and used. Dieseko Group's HPPs are based on customer specifications and OEM specifications, and we also have our own range of products.

APPLICATIONS

- MINING
- OFFSHORE
- INNER CITY
- TUNNELLING
- MARINE

High quality finishing



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Powering a diaphragm wall project

FEATURES

- Compact and robust construction
- Low inrush current
- Power 350 to 480 VAC, 50 or 60 Hz
- Highest efficiency throughout the operational range on the market (~96%)
- Liquid cooled with plain water or water/glycol mixture
- Multiple mounting possibilities
- Maximum winding temperature: 150°C
- Min. ambient temperature: -30°C
- Protection class: (IEC 60034-5) IP65

Dieseko PM-HPPs are available from 200 kW to 2,200 kW.

Please contact us if you would like to know more about our diesel and electric-powered HPPs, or send us a request for quotation to receive a competitive OEM offer.

**For more information, please contact Dieseko Group,
Department Sales Benelux in Slidrecht, the Netherlands**

**ELECTRIC-HYDRAULIC POWER
GREEN & CLEAN**