

RailPacks - System competence from Voith

- **Designed for engine outputs between 294 kW and 735 kW**
- **Long maintenance intervals ensure low operating costs**
- **Also available in diesel-electric version**

Heidenheim, Germany: Voith RailPacks are motor-gear units designed for use in single-unit and multiple-unit diesel railcars in commuter, regional, national and inter-city service. They are available as diesel-mechanical, diesel-hydraulic and diesel-electric models. Voith will present the RailPack 400 DE at InnoTrans

Approximately 1,200 Voith RailPacks are already in use around the world. The complete drive systems are constantly growing in popularity with rail vehicle manufacturers. The advantages are obvious - the engine, gear unit, cooling system, electronic control, and last but not least an emission technology that consistently ensures compliance with Stage IIIA+B and UIC II norms in diesel-powered RailPacks, all come from a single source. They are optimally synchronized and have proven themselves thousands of times over in practical application.

Robust system technology – Low operating costs

Vehicle operators expect not only robust and maintenance-friendly system technology, but low operating costs as well – all advantages offered with the Voith RailPack family. Designed for use under all applications and weather conditions, long maintenance intervals ensure low operating costs.

The most recent addition to the RailPack family is the diesel-electric version. The RailPack 400 DE is already being used in Chinese track building vehicles. Propulsion is provided by an electric motor, supported by an additional diesel engine, which allows the vehicle to be deployed on non-electrified routes.

For engine outputs between 294 kW and 735 kW

Voith RailPacks are designed for engine outputs between 294 kW and 735 kW. Besides engines of different output powers, they are equipped with a DIWA T211/212 or T312 transmission from Voith. The most powerful RailPack, for example, can reach top speeds of up to 200 km/h in class 185 trains in England.

In addition, RailPacks also provide excellent driving comfort. The frame constructions from Voith, which are individually designed for each power class, and the corresponding drive unit bearings ensure minimum vibration transfer to the interior of the vehicle.

Currently, Deutsche Bahn has ordered 71 three-unit Link vehicles, which accommodate up to 142 seats, from the Polish vehicle manufacturer PESA Bydgoszcz SA. Inside the Link, two RailPacks provide an engine output of 565 kW. The vehicles will be commissioned in 2017.

Caption 1: RailPacks are compact drive systems – a life-size 400 DE RailPack will be on view at InnoTrans

Voith Turbo

Voith Turbo, a Group Division of Voith GmbH, is a specialist for intelligent drive solutions. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on advanced technologies from Voith Turbo.

About the company

Voith sets standards in the markets for energy, oil & gas, paper, raw materials, transport & automotive. Founded in 1867, Voith employs more than 20,000 people, generates €4.3 billion in sales, operates in over 60 countries around the world and is one of the biggest family owned companies in Europe.*

* Excluding the discontinued Group Division Voith Industrial Services.