

24V – Electrohydraulic Power Steering Pump

The Electrohydraulic Power Steering Pump (EHPS) is designed for bus and truck applications either using conventional powertrain or modern electric/hybrid technology.

Purpose

- Fuel / CO₂ savings
- Precise and efficient steering assistance
- Compact and lightweight design
- On-demand functionality

Value Proposition

- Easy and flexible integration into existing 24V vehicle architectures
- Vehicle speed adjusted steering feeling
- Ready for pure electric driving capability for hybrids and EVs
- Lower oil temperature
- Simplification of ICE gear set with less vibrations and ICE friction loss reduction at cranking

Technical Description

- Hydraulic performance: up to 3.2 kW
- Voltage level: 24V
- Current consumption: up to 125 A (cont.), up to 250 A (peak)
- Vehicle communication: via CAN Bus
- Dimensions: 250x190x232mm

- Weight: approx. 15.5kg
- Cooling: oil cooled / air-cooled
- Ambient temperature: -40°C...90°C
- Protection: IPX6K/IPX9K
- EMC: UN ECE-R10.05

