

# Web-based download of 3D models

Linde Hydraulics

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Application Engineering  
5/2012

### 3D model library content

- HPV-02 variable pumps
- HPR-02 self-regulating pumps
- HMV-02 variable motor
- HMF-02 fixed displacement motor

### Purpose

The models are intended to be used for the integration of Linde components in the application or vehicle. They thus enable virtual installation studies and help to define the arrangement of the hoses

### Representation

The uploaded models show the outer contour and ports of the unit. The internal space is filled

### Formats

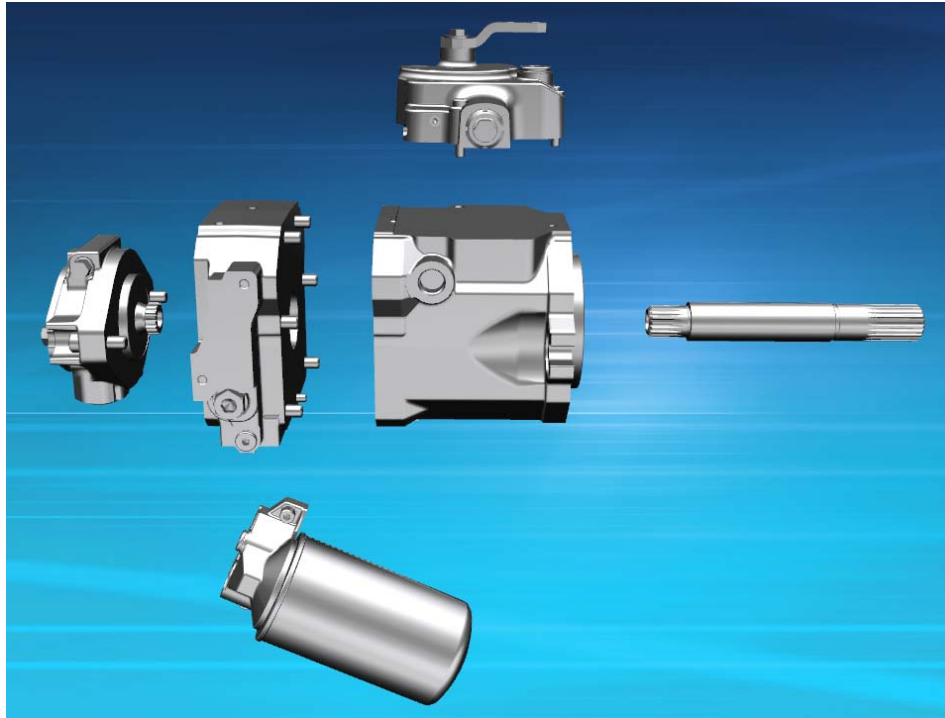
The models are offered in PRT and STEP format, other formats are available on request

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### Design

All models are designed according to the modular system.

This example of an HPV consists of housing, drive shaft, port plate housing, control, gear pump and filter



By exchanging single components, the user can create additional variants.

The exact positioning is defined by the interfaces surface/surface, mounting devices or via dimensions.

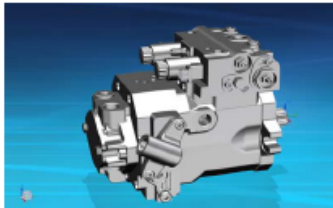
Possible combinations are shown in the Linde model code, there is no plausibility check.

If the application depends substantially on the shape of the model, outlines and ports have to be confirmed by Linde.

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## Overview (example HPV-02)

**HPV 55-02**



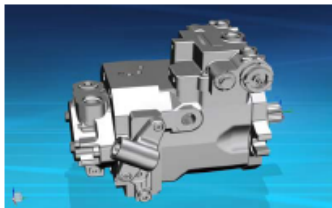
clockwise rotation
control: E1P
drive shaft: ANSI-16/32-21 teeth
charge port flange, 90°
gear pump: IGP-16 ccm/rev, internal suction

**HPV 75-02**



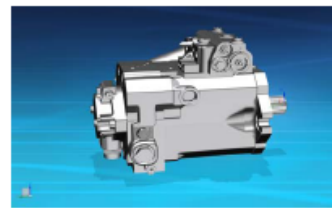
clockwise rotation
control: M1
drive shaft: ANSI-16/32-21 teeth
flange with filter
gear pump: IGP-22,5 ccm/rev, internal suction

**HPV 105-02**



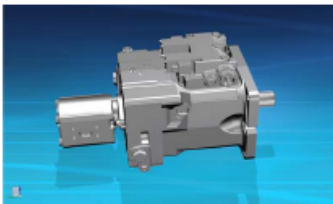
clockwise rotation
control: H1
drive shaft: ANSI-16/32-23 teeth
charge port flange, 90°
gear pump: IGP-22,5 ccm/rev, internal suction

**HPV 135-02**



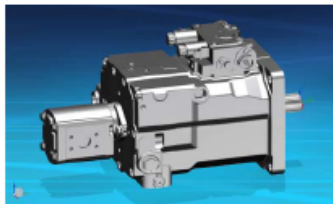
clockwise rotation
control: H1P
drive shaft: ANSI-16/32-27 teeth
flange with filter
gear pump: IGP-22,5 ccm/rev, external suction, with pipe adapter

**HPV 165-02**



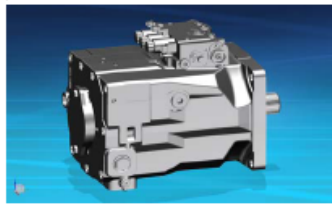
clockwise rotation
control: E1
drive shaft: ANSI-16/32-27 teeth
flange with filter
gear pump: EGP-38 ccm/rev, external suction

**HPV 210-02**



clockwise rotation
control: E1
drive shaft: ANSI-16/32-27 teeth
flange with filter
gear pump: EGP-38 ccm/rev, external suction

**HPV 280-02**



clockwise rotation
control: E2
drive shaft: ANSI-16/32-33 teeth
flange with filter
gear pump: without, PTO flange SAE B

**Thank You for Your Attention.**



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