



# MAN Diesel

## 3D Engine Viewer

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# MAN Diesel 3D-Engine Viewer

MAN Diesel provides valuable technical information for their engine program via own Extranet Portal – **Nexus**.

To select and download various configurations of engines, gensets and LNG Tanks MAN Diesel established their 3D CAD viewer technology.

In cooperation with CADENAS a new generation of 3D CAD viewer has been developed in a pilot project based on their PARTsolutions technology.

A first catalogue has been created for the famous 4stroke diesel engine series 48/60 providing light weight CAD models for a wide range of modern CAD systems in native formats, essential for efficient engine room planning.

In order to use this new catalogue online you must apply to the MAN **Nexus** using personal ID and Password.

Beside 3D CAD viewer the MAN **Nexus** serves you as ship owner, ship yard, marine equipment supplier, institute or university with a wide range of valuable technical information for your daily work.

Please click the following Link to create a new **Nexus** account:

<http://marine.man.eu/four-stroke/3d-engine-viewer>

The screenshot displays the MAN Diesel 3D-Engine Viewer web application. The interface is divided into several sections:

- Header:** Includes the MAN logo, navigation tabs for "Products", "EngineViewer", and "Administration", and user account information ("My Account", "EngineViewer", "Logout").
- General Section:** Contains buttons for "Update preview", "Generate CAD model", and "Generate PDF datasheet".
- Selectable products:** Shows a list of products, currently displaying "L4860B-6-CS-1-0-0-1-R-0-3-0".
- Configuration Options:** A table of options for the L4860B engine, including:
  - MN Motor type:** L4860B
  - CV Cylinder variant:** 6 cylinders
  - TC Turbocharger:** turbocharger on couplingside
  - TCT Turbo charger type:** TCAS5
  - EX Exhaust:** with transition socket
  - EX1 Transition socket:** standard transition socket
- 3D Preview Window:** Displays a 3D model of the engine with various components labeled with part numbers (e.g., 3187, 9228, 9271, 6599, 3185, 4193, 2598, 9229, 4187, 8091, 359721, 9125, 1, 2199, 1, 9185, 1, 5699, 7172, 7772, 7798, 2171, 2173, 2174). A warning message states: "This is a pregenerated default preview. It may differ from your current selection." Below the model are navigation icons.
- Code Section:** Provides instructions for interacting with the 3D model, such as "Please click on the maximize-symbol of the 3D-window to enlarge the 3D-preview-model." and "Click on the '+'-symbol of the nozzles to show the details."

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