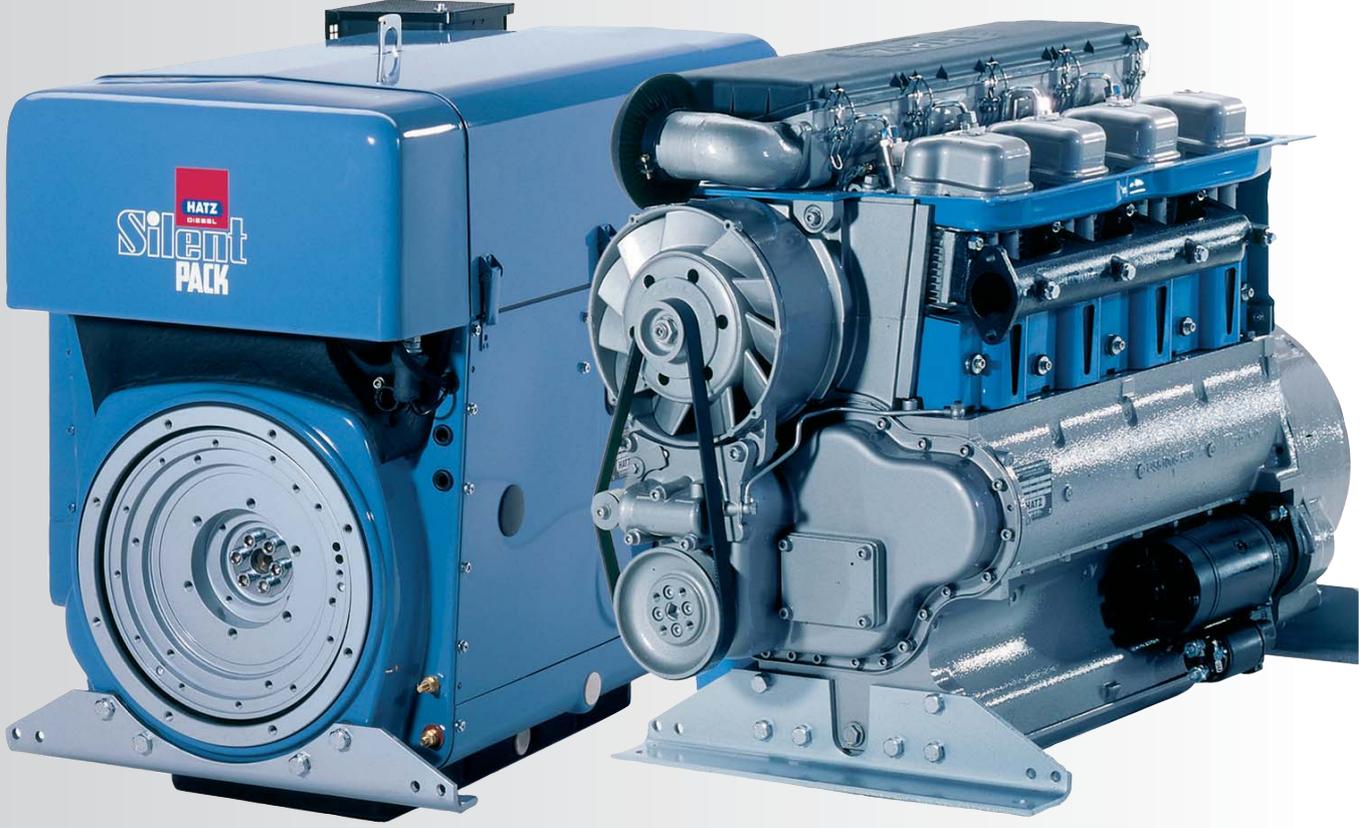




L/M Series



4M42 • 29.9 - 51.5 KW 4L42 • 27.0 - 46.1 KW

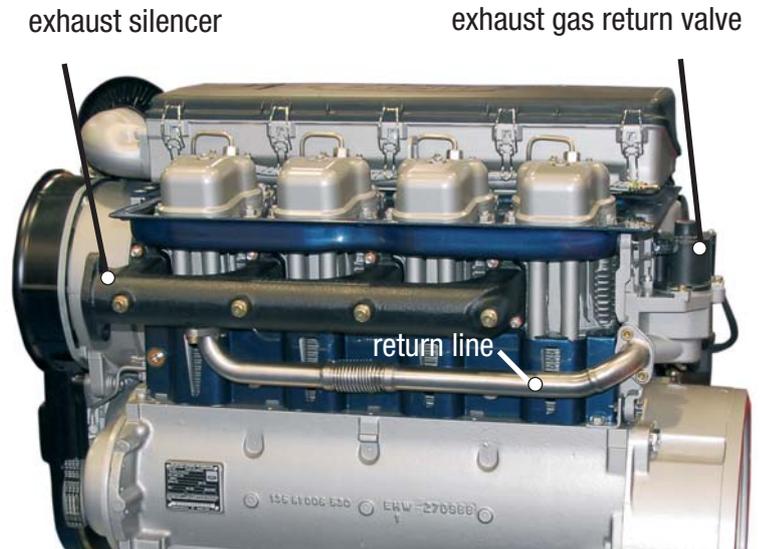
WITH EXHAUST GAS RETURN
AVAILABLE AS OF 2008

4M42 • 4L42-EPA-IV-interim

Features

- the strict exhaust limit values – EPA-IV-interim and EU 97/68 level 3 A
- strict NO_x-limit values will not be reached due to EGR (exhaust gas return)
- engine characteristic controlled exhaust gas return valve
- integrated in engine contour of 4M42
- integrated in encapsulation of 4L42C, the outcome of this is an extension by +30mm

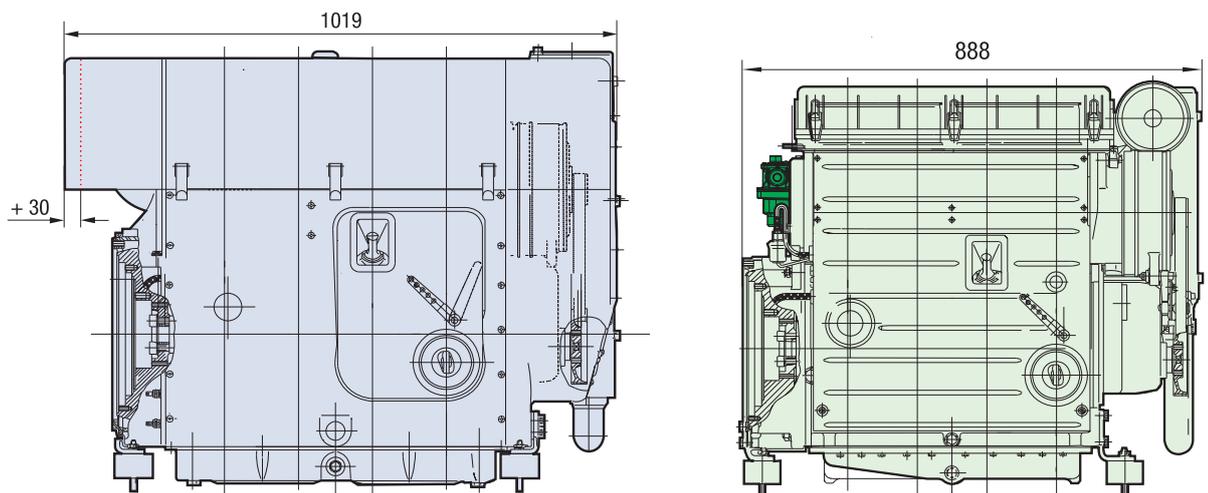
Functional diagram



Functional description

A part of the exhaust gas stream is guided load-controlled to the intake port via a separate line. The high combustion temperature is lowered due to the exhaust gas/air mixture. The reduced oxygen content in exhaust gas/air mixture also contributes to a lowering of NO_x-generation. 5 % of the exhaust volume is mixed to the intake air during full load. This low admixture positively affects the engine power. During partial load 30 % exhaust volume is mixed to the combustion air. Therewith the EPA-IV-interim limit values in the USA will not be reached.

Dimensions



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