

# MAN L27/38 GenSet

1,440-3,024 kW



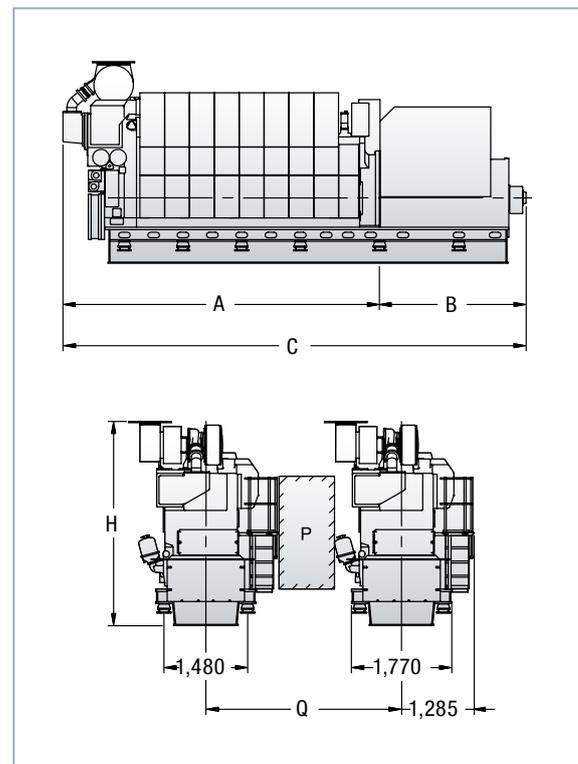
Powered by 4 x L27/38 GenSets

The development of the L27/38 for larger vessels was a logical continuation of the strategy initiated with the introduction of the L16/24 – the first of the new generation of MAN GenSets.

## Benefits

Producing 1,500-3,150 kW, the L27/38 is based on the same innovative, streamlined concept as the L16/24; reduced size and weight, modular construction, a simplified pipeless design, fewer components, reduced maintenance requirement, high power, low noise, economic operation and a low level of emissions.

Engineered for reliable, long TBO service, it hides a wealth of advanced technology behind its smooth, uncluttered exterior. Its support systems permit an integrated approach to fuel oil supply and cooling water and starting air systems. The benefits are smooth installation and simple operation and maintenance.



P: Free passage between the engines, width 600 mm and height 2,000 mm

Q: ~Min. distance between centre of engines: 2,900 mm (without gallery) ~3,100 mm (with gallery)



## Main Data L27/38 – Bore: 270 mm, Stroke: 380 mm

Speed (r/min)	720/750	720/750 (MDO**/MGO)
Frequency (Hz)	60/50	60/50

	Eng. kW	Gen. kW*	Eng. kW	Gen. kW*
5 L27/38	1,500/1,600	1,440/1,536	-	-
6 L27/38	1,980	1,900	2,100	2,016
7 L27/38	2,310	2,218	2,450	2,352
8 L27/38	2,640	2,534	2,800	2,688
9 L27/38	2,970	2,851	3,150	3,024

Cyl. No.	5	6	7	8	9
r/min	720/750	720/750	720/750	720/750	720/750
A (mm)	4,346	4,791	5,236	5,681	6,126
B (mm)	2,486	2,766	2,766	2,986	2,986
C (mm)	6,832	7,557	8,002	8,667	9,112
H (mm)	3,712	3,712	3,899	3,899	3,899
Dry Mass (t)	40.0	44.5	50.4	58.2	64.7

\* Based on nominal generator efficiencies of 96%

\*\* MDO viscosity must not exceed 6 mm<sup>2</sup>/s = cSt @ 40 °C

Weight and dimensions based on a standard alternator

### Facts and figures

#### Flexible configuration

There is a choice of configuration from 5-9 cylinders, with power outputs ranging from 1,500 to 3,150 kW.

#### High reliability

The L27/38 is designed for long overhaul intervals and high reliability on heavy fuel oil.

#### Improved working conditions

The sturdy engine block and carefully balanced rotating components provide a virtually vibration-free engine. Innovative insulation cuts noise substantially.

#### Economic operation

The L27/38 has been designed to produce high power at a low level of lube oil and fuel oil consumption.

#### Easy to maintain

Operating procedures are greatly simplified by pipe-less internal oil and water circuits, support functions collected in a single front-end box, fewer components and separate cylinder units.



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