

# MAN L21/31 GenSet

9,50-1,881 kW



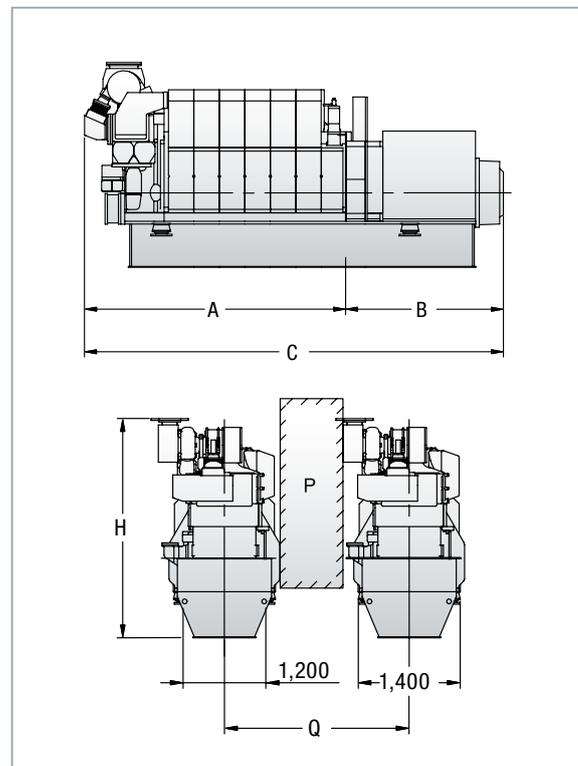
Powered by 3 x L21/31 GenSets

The development of the L21/31 engine completes the MAN GenSet programme. The engine covers the power range between the L16/24 and the L27/38 engines. All in all, a marine GenSet product programme for the 21st century.

## Benefits

Producing 1,000-1,980 kW, the L21/31 is based on the same innovative, streamlined concept as the L16/24 and the L27/38: i.e. reduced size and weight, modular construction, simplified pipeless design, fewer components, reduced maintenance requirements, high power, low noise, economic operation and low emissions.

Engineered to be robust 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, 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: 2,400 mm (without gallery) ~2,600 mm (with gallery)



## Main Data L21/31 – Bore: 210 mm, Stroke: 310 mm

Speed (r/min)	900	1,000
Frequency (Hz)	60	50

	Eng. kW	Gen. kW*	Eng. kW	Gen. kW*
5 L21/31	1,000	950	1,000	950
6 L21/31	1,320	1,254	1,320	1,254
7 L21/31	1,540	1,463	1,540	1,463
8 L21/31	1,760	1,672	1,760	1,672
9 L21/31	1,980	1,881	1,980	1,881

Cyl. No.	5	6	7	8	9
r/min	900/1000	900/1000	900/1000	900/1000	900/1000
A (mm)	3,959	4,314	4,669	5,572	5,927
B (mm)	1,870	2,000	1,970	2,110	2,135
C (mm)	5,829	6,314	6,639	7,682	8,062
H (mm)	3,183	3,183	3,289	3,289	3,289
Dry Mass (t)	22.5	26.0	29.5	33.0	36.5

\* Based on nominal generator efficiencies of 95%  
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 output ranging from 1,000-1,980 kW.

#### High reliability

The L21/31 is designed for long overhaul intervals and high reliability on heavy fuel oil.

#### Improved working conditions

Design features such as marine head connecting rods, cross flow cylinder heads sturdy engine block, water mist catcher and lambda controller provide the perfect working conditions.

#### Economic operation

The L21/31 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.