

WÄRTSILÄ 50 DIESEL ENGINE GENERATING SET

The Wärtsilä 50 is a gas-conversion-ready four-stroke diesel engine generating set that runs on light fuel oil (LFO) or heavy fuel oil (HFO). It features an 18V cylinder configuration.

Wärtsilä helps customers unlock the value of the energy transition by optimising their energy systems and future-proofing their assets. We offer flexible power plants, energy management systems, and storage, as well as engineering, procurement and construction (EPC) deliveries and full lifecycle support that ensure guaranteed performance.

Key features

- Fast-starting capability which enables rapid response to fluctuations inherent to renewable generation
- High reliability
- The Wärtsilä 50 is designed to incorporate future fuel conversion possibilities
- Easy and cost-effective installation
- Fuel economy over the entire engine operation range
- Embedded automation system
- Optimised performance and efficiency supported by Wärtsilä Lifecycle solutions



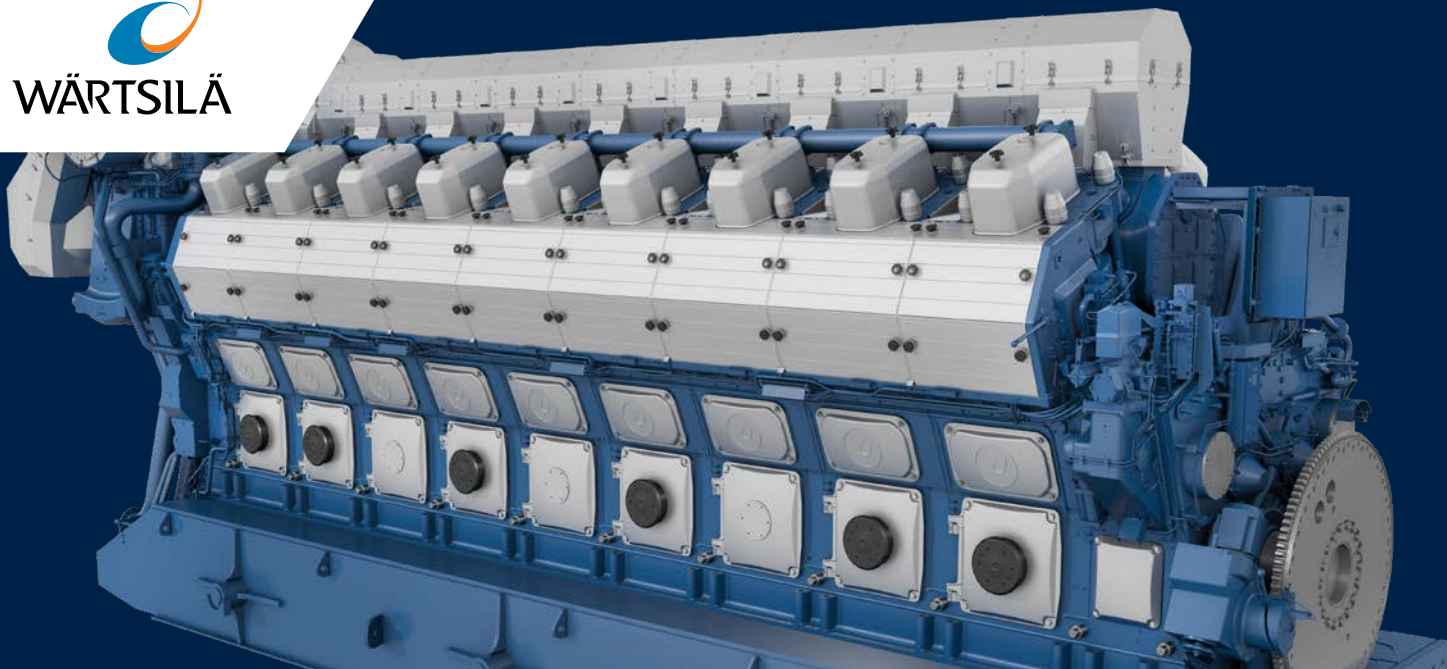
**FOR FLEXIBLE POWER
GENERATION**



**LOW OVERALL
LIFECYCLE COST**



**GAS-CONVERSION-
READY DIESEL
TECHNOLOGY**



MAIN TECHNICAL DATA

Engine generating set, 50 & 60 Hz	
Cylinder configurations	18V
Cylinder bore	500 mm
Piston stroke	580 mm
Engine speed	500 rpm (50 Hz), 514 rpm (60 Hz)
Mean piston speed	9.7 m/s (50 Hz), 10 m/s (60 Hz)

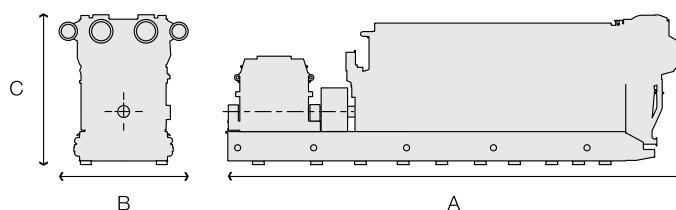
Rated electrical power (kW)

Genset type	50 Hz	60 Hz
18V50	18 434	18 875

Maximum transportation dimensions (mm) and weights (tonnes)¹

Genset type	Length (A)	Width (B)	Height (C)	Dry weight
18V50	18 747	5 543	6 257	377

¹ There are a number of dismantling options available for transportation of the generator set. These include different options for reduced weight and height. Please contact Wärtsilä for further information.



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