



WÄRTSILÄ 50DF MULTI-FUEL ENGINE GENERATING SET

The Wärtsilä 50DF four-stroke multi-fuel engine generating set offers ultimate fuel flexibility. It can run on both gas and liquid fuels, and is able to switch seamlessly back and forth between fuels during operation. The Wärtsilä 50DF 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
- Proven and reliable dual-fuel technology
- Easy and cost-effective installation
- Unbeatable fuel flexibility
- Low levels of exhaust gas emissions
- Fuel economy over the entire operation range
- Optimised performance and efficiency supported by Wärtsilä Lifecycle solutions



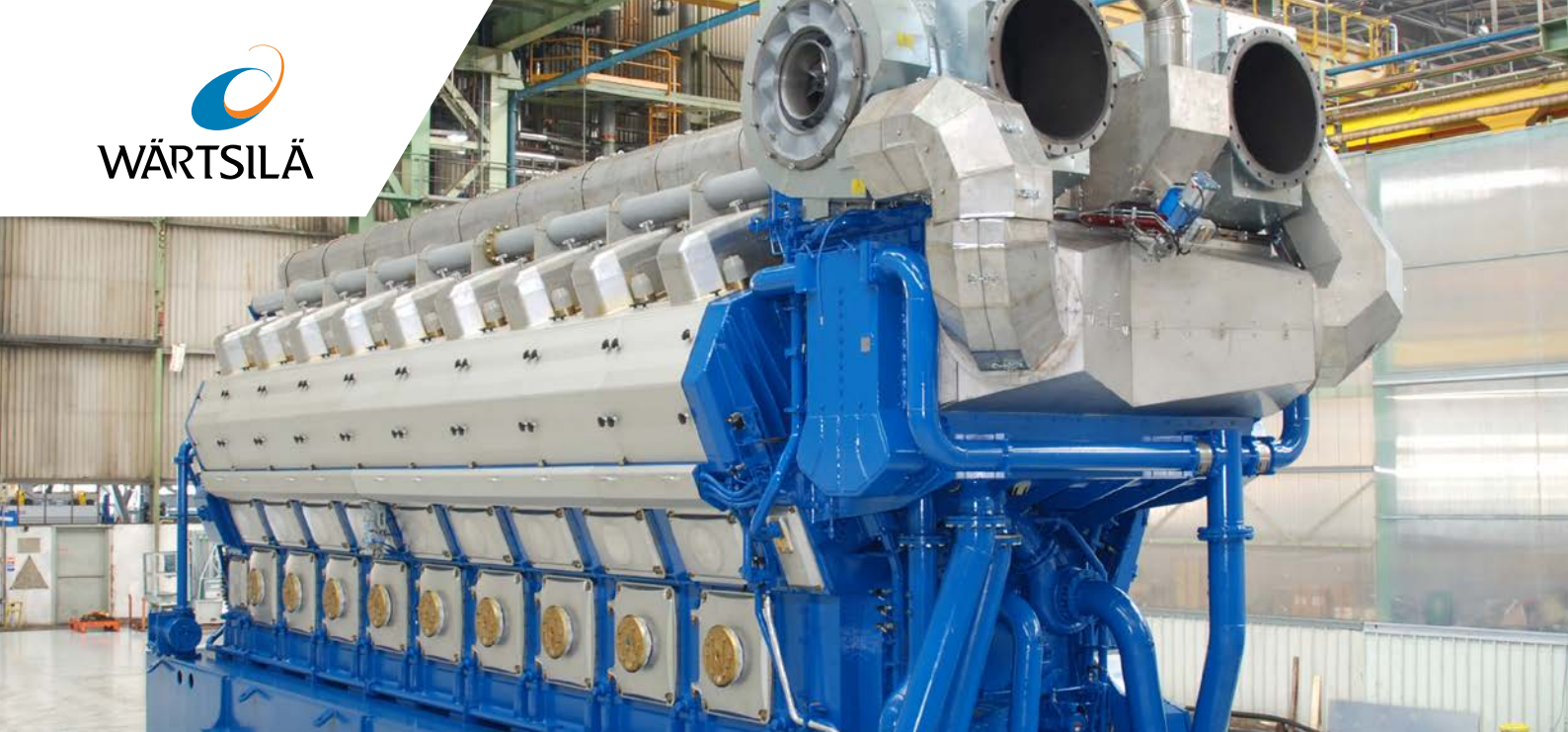
**FOR GRID STABILITY
AND MULTI-FUEL
POWER PLANTS**



**LOW OVERALL
LIFECYCLE COST**



**MULTI-FUEL
CAPABILITY**



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)

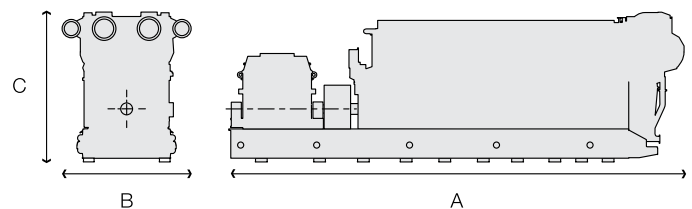
Rated electrical power Gas / HFO / LFO (kW)

Genset type	50 Hz	60 Hz
18V50DF	17 635	18 190

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

Genset type	Length (A)	Width (B)	Height (C)	Dry weight
18V50DF	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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