



WÄRTSILÄ 34DF MULTI-FUEL ENGINE GENERATING SET

The Wärtsilä 34DF multi-fuel engine generating set allows instant switching to alternative fuels should price instability or delivery challenges affect the use of the primary fuel. It is especially suitable for grid stability. It operates on the lean burn principle, which reduces peak temperatures and lowers NO_x emissions considerably.

The Wärtsilä 34DF engine generating set is based on the well-proven and reliable Wärtsilä 32 engine, which was introduced in the mid 1990s. The Wärtsilä 34DF is available in 12V, 16V and 20V cylinder configurations with a power output ranging from 5.6 to 9.8 MW.

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

- The ultimate combination of efficiency, operational flexibility and fuel flexibility
- Can operate on natural gas or any liquid fuel, including HFO, and switch between them back and forth while delivering power to the grid
- Full power can be achieved regardless of the gas quality
- Low emissions in gas mode with an efficient liquid fuel mode that can use low-grade fuel oils
- Optimised performance and efficiency supported by Wärtsilä Lifecycle solutions



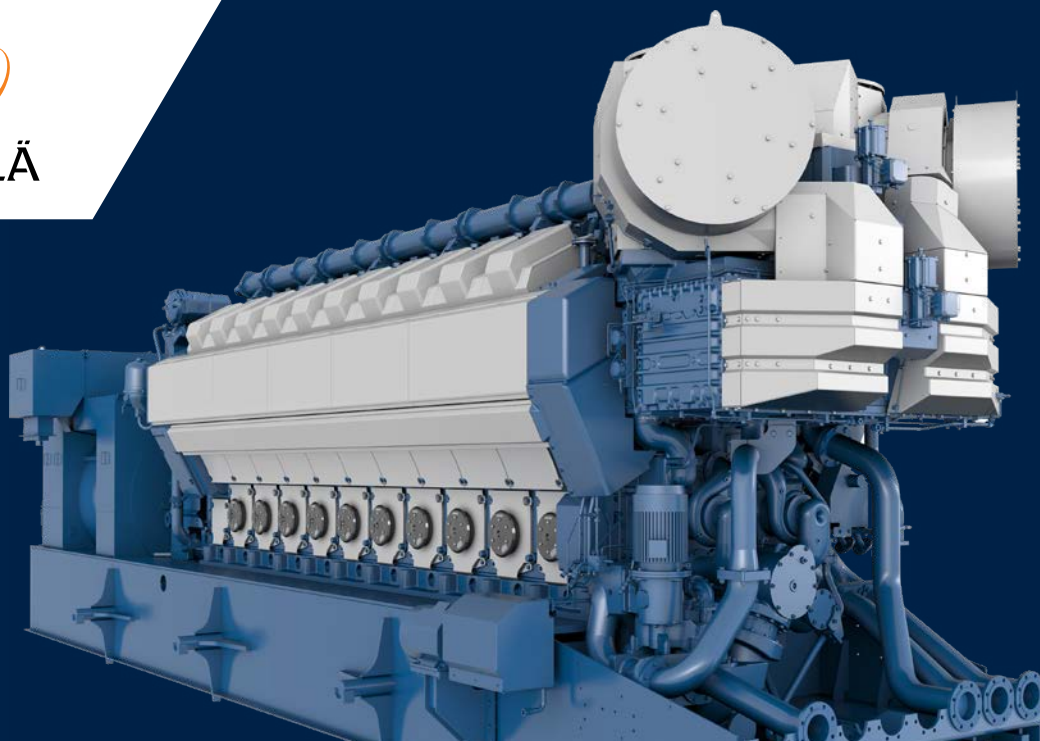
**FOR GRID STABILITY
AND MULTI-FUEL
POWER PLANTS**



**REDUCED
ENVIRONMENTAL
FOOTPRINT**



**OPERATES ON
NATURAL GAS OR ANY
LIQUID FUEL**



MAIN TECHNICAL DATA

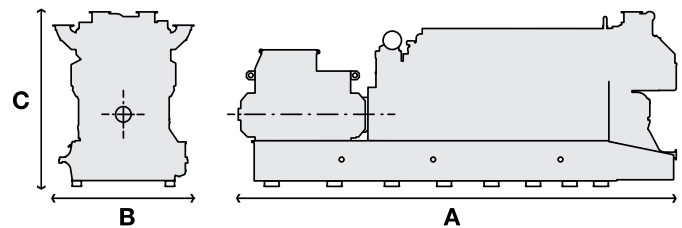
Engine generating set, 50 & 60 Hz	
Cylinder configurations	12V, 16V, 20V
Cylinder bore	340 mm
Piston stroke	400 mm
Engine speed	750 rpm (50 Hz), 720 rpm (60 Hz)
Mean piston speed	10 m/s (50 Hz), 9.6 m/s (60 Hz)

Rated electrical power Gas / HFO / LFO (kW)

Genset type	50 Hz	60 Hz
9L34DF	4372	4181
12V34DF	5840	5580
16V34DF	7830	7491
20V34DF	9795	9388

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

Genset type	Length (A)	Width (B)	Height (C)	Dry weight
9L34DF	10 396	2 882	4 063	82
12V34DF	10 454	3 350	4 374	99
16V34DF	11 606	3 420	4 374	130
20V34DF	12 971	3 418	4 429	141



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

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