



WÄRTSILÄ 34SG GAS ENGINE GENERATING SET

The Wärtsilä 34SG is a four-stroke, spark-ignited, lean-burn gas engine generating set. Its agility and flexibility, plus the high efficiency delivered over the entire load range and in any operating profile, makes the Wärtsilä 34SG generating set an excellent choice for both flexible baseload and peak load, and for supporting the grid with variety of ancillary services. It also offers unique fast-starting capability, which enables rapid response to fluctuations inherent to renewable generation.

The Wärtsilä 34SG is available in 12V, 16V and 20V cylinder configurations, with a power output ranging between 5.6 and 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

- Very high open cycle efficiency
- Fast starting and loading capabilities: 2 minutes from start command to full load
- Best up and down ramp rates in the industry
- Gets the most out of natural gas, the cleanest fossil fuel available
- The genset is easily transported in one piece even to challenging locations
- Easy maintenance engine for reliable operations
- Optimised performance and efficiency supported by Wärtsilä Lifecycle solutions



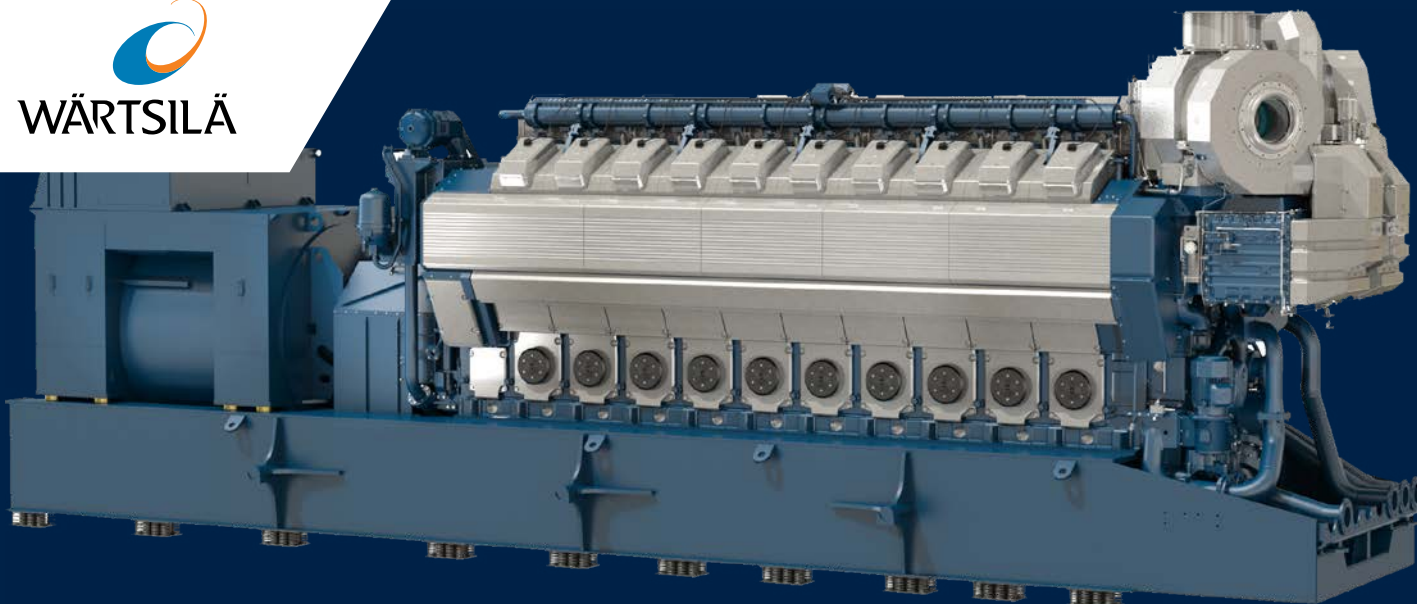
**THE OPTIMAL
BALANCER FOR
RENEWABLES**



**BEST UP AND DOWN
RAMP RATES IN THE
INDUSTRY**



**REDUCED
ENVIRONMENTAL
FOOTPRINT**



MAIN TECHNICAL DATA

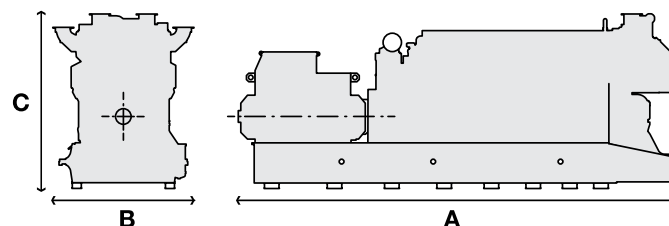
Engine generating set, 50 & 60 Hz	
Cylinder configurations	12V, 16V, 20V
Cylinder bore	340 mm
Piston stroke	400 mm
Engine speed	750 rpm (50 Hz), 720 rpm (60 Hz)
Mean piston speed	10 m/s (50 Hz), 9.6 m/s (60 Hz)

Rated electrical power (kW)

Genset type	50 Hz	60 Hz
12V34SG	5 840	5 580
16V34SG	7 830	7 491
20V34SG	9 795	9 388

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

Genset type	Length (A)	Width (B)	Height (C)	Dry weight
12V34SG	10 454	3 350	4 511	102
16V34SG	11 456	3 350	4 511	125
20V34SG	13 142	3 350	4 573	136



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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