

Wärtsilä 34SG

Engine generating set

PRODUCT LEAFLET

TECHNICAL DATA

Cylinder configurations	9L, 16V, 20V
Cylinder bore	340 mm
Piston stroke	400 mm
Speed	750 rpm (50 Hz) 720 rpm (60 Hz)
Brake mean effective pressure	22 bar
Mean piston speed	10 m/s (50 Hz) 9.6 m/s (60 Hz)



RATED ELECTRICAL POWER (kW)

Generating set type	50 Hz	60 Hz
9L34SG	4380	4190
16V34SG	7840	7510
20V34SG	9810	9400
20V34SG with turbogenerator	9930	9520

GENERAL CONDITIONS

Rated electrical power is given at generator terminals and ISO 3046 conditions.

All Wärtsilä engines, in a standard configuration, have engine-driven lubricating oil, low- and high-temperature circuit cooling water pumps. Gas LHV >28 MJ/Nm³. Gas methane number >80. Gas pressure >5.1 bar(g) at plant inlet.

Please contact Wärtsilä for project-specific performance figures in case the gas does not fulfil the aforementioned criteria.

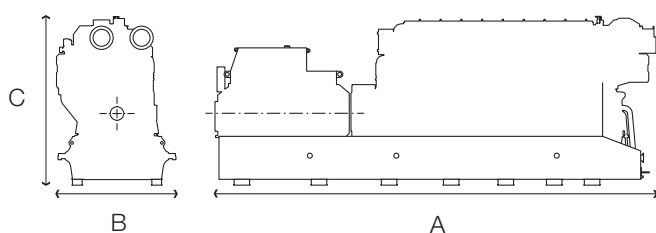
SPECIAL CONDITIONS

Site conditions and applicable emission limits may have an impact on the heat rate and efficiency. Please contact Wärtsilä for project-specific performance figures.

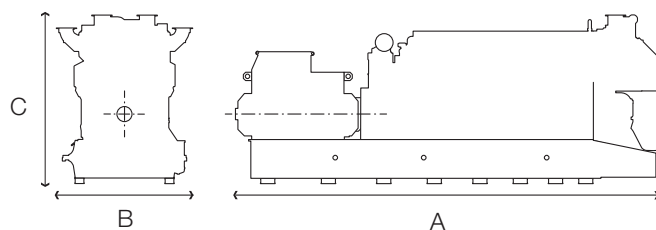
DIMENSIONS (MM) AND WEIGHTS (TONNES)

Generating set ¹ type	Length (A)	Width (B)	Height (C)	Dry weight ² +/- 5%	Reduced transportation weight ³ +/- 5%
9L34SG	10840	2780	3842	77	-
16V34SG	11187	3345	4475	120	73
20V34SG	12917	3345	4501	130	85

L-CONFIGURATION



V-CONFIGURATION



- ¹ The listed dimensions of generating set are maximum transportation dimensions, excluding the spring-mounted shock absorbers and turbocharger inlet cones for V engines.
- ² Generating set dry weight includes spring-mounted shock absorbers and inlet cones, excludes lube oil and cooling fluids.
- ³ In case of limitations in maximum allowed transport weight, the generating set can be further disassembled for separate shipment of engine, generator and common baseframe. The listed reduced transportation weight is the weight of the heaviest of these parts. Please contact Wärtsilä in case transport weight needs to be further reduced.

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