

B35:40V

V-Configuration

Natural Gas

9.1 - 9.4 MW



Unlocking Peak Efficiency

Developed with a focus on reliability and efficiency, the **Bergen B35:40V** delivers robust performance for land-based power generation and combined heat and power applications. Its design prioritizes optimal electrical and thermal recovery, making it ideal for installations where efficiency is critical.

Built with advanced combustion and turbocharging technologies, the **B35:40V** operates with low NO_x, CO, and UHC emissions while maintaining exceptional performance across a range of loads. Its large components and low-speed design minimize wear, extending service intervals and reducing lifecycle costs.

From remote installations in Svalbard's harsh Arctic climate to high-demand plants in Australia's sweltering outback, the **B35:40V** delivers proven reliability and efficiency. Backed by Bergen's global service network and decades of engineering expertise, it's a trusted solution for operators seeking dependable, high-efficiency power generation in any environment.

Product Range

Bergen's B35:40V

Electrical Output (kW)



Benefits of Bergen

- Fast Delivery**
 Accelerated lead times help you get to market faster—keeping your project on schedule and reducing time to revenue.
- Proven Reliability & World-Class Service**
 Guaranteed performance, backed by global service teams for both scheduled and unscheduled maintenance.
- Modular, Scalable Design**
 Flexibility to expand as your project grows, ensuring long-term adaptability and value.
- Exceptional Fuel Efficiency**
 Advanced combustion delivers market-leading efficiency and lower operational fuel costs.
- Low Life-Cycle Cost**
 Engineered for durability and ease of maintenance, reducing total cost of ownership.



Weight & Dimensions

	Total Length of Generator Set (mm)	Total Width of Generator Set (mm)	Total Height of Generator Set (mm)	Total Weight of Generator Set (dry, kg)
B35:40V20 AG2	13,260	3,176	4,990	139,960

Technical Data

	50 Hz	60 Hz
	B35:40V20 AG2	B35:40V20 AG2
Number of Cylinders	20	20
Cylinder Diameter (mm)	350	350
Piston Stroke (mm)	400	400
Engine Speed (r/min)	750	720
Electrical Output (kW, 100% MCR PF 1.0)	9,445	9,065
Charge Air Cooler HT (kW)	1,665	1,590
Charge Air Cooler LT (kW)	625	600
Lube Oil Cooler (kW)	950	910
Jacket Water Cooler (kW)	1,200	1,155
Exhaust Mass (kg/h)	50,600	48,600
Exhaust Gas Temp (°C)	385	360
Nom. EI Efficiency (MCR PF 1.0)	49%	49%

GENERAL CONDITIONS

- All technical data is valid for 100% load, including two engine driven pumps.
- Engine power definition and fuel consumption are according to ISO 3046 and ISO 8528.
- Generator rating and performance in accordance with IEC 60034, power factor 1.
- NOx Emissions 500 mg/Nm³ @ 5% O₂.
- Reference fuel is Natural Gas with lower heating value of 36 MJ/nm³, methane number 80.
- Data for heat dissipation and exhaust gas are based on a tolerance of ± 5%, turbocharger air suction temp 25°C.

DISCLAIMER

- Due to continuous development, some data may change. The information does not carry any contractual value.