

B35:40V

V-Configuration

Natural Gas

9.4 MW



Unlock Peak Efficiency

The Bergen B35:40V engine is engineered for high and reliable power, combining industry-leading electrical and heat recovery efficiency with robust performance under any conditions. Its large, low-RPM components, optimized combustion, and advanced turbocharging deliver maximum energy output while keeping operation smooth and consistent.

Renowned for its reliability and proven technology, the **Bergen B35:40** has been a best-seller for years, trusted in environments ranging from the icy Arctic to extreme desert heat. Its sturdy construction and maintenance-friendly design ensure long service life and minimal downtime, giving you confidence in every operation.

Designed for flexibility across applications, the **Bergen B35:40** excels in remote power supply, cogeneration, and industrial heat recovery. With high efficiency, low service costs, and adaptable performance, it provides a dependable solution wherever robust power is needed.

Benefits of Bergen

- Fast Delivery**
 Average lead times of just 10 months for first batch, accelerating your project 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.

Product Range

Bergen's B35:40V Engine
Electrical Output (kW)





Weight & Dimensions

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

Technical Data

	50 Hz
	B35:40V20
Number of Cylinders	20
Cylinder Diameter (mm)	350
Piston Stroke (mm)	400
Engine Speed (r/min)	750
Electrical Output (kW)	9,445
Charge Air Cooler HT (kW)	1,665
Charge Air Cooler LT (kW)	625
Lube Oil Cooler (kW)	950
Jacket Water Cooler (kW)	1,200
Exhaust Mass (kg/h)	50,600
Exhaust Gas Temp (*C)	385
Nom. EI Efficiency (MCR PF 1.0)	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.
- Fast start time to be evaluated on a project specific basis. Engine must be specified accordingly and maintained in hot standby mode.
- For low load levels specified the engine can be operate continuous. For lower loads, certain recommendations apply.

DISCLAIMER

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