

# 200kW Biogas Generator

This 200kW biogas generator is engineered for reliable and efficient power generation using biogas as fuel. It features a robust V-type engine designed for industrial applications, ensuring consistent performance under demanding conditions.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Biogas Power Generation

This 200kW biogas generator is engineered for reliable and efficient power conversion, making it an ideal solution for sustainable energy needs in agricultural, landfill, or wastewater treatment facilities. Featuring a robust V8-type engine and an advanced control system, it delivers consistent performance while optimizing fuel consumption. Its compact design and water-cooled architecture ensure durability and ease of integration into existing power systems.

## General Specifications

### Rated Power Output

**200 kW**

Rated Power

**250 KVA**

Rated Power

### Electrical Characteristics

Parameter	Value
Rated Voltage	220/380 V
Frequency	50 Hz
Rated Current	360 A

### Physical Dimensions & Weight

- Dimensions: 2850 x 1400 x 1950 mm
- Weight: 3100 kg

## Engine Performance

### Core Engine Data

Attribute	Specification
Model	DT15
Type	Four-stroke, Water-cooling, V8-type
Cylinder Count	12
Rated Speed	1500 rpm
Bore x Stroke	128 x 142 mm

### Consumption Efficiency

**1 g/KWH**

Oil Consumption

**90 Nm<sup>3</sup>/h**

Max Gas Consumption

## Alternator Details

### Alternator Technical Data

- Model: FLD-200
- Efficiency: 94.5%
- Voltage Regulation:  $\pm 1\%$
- Excitation Mode: Brushless, Self Excitation
- Insulation Class: H

## Control System

### Control System Parameters

- Model: DES 6020
- Working Voltage: DC 8.0V - 35.0V
- Panel Cutout: 214mm x 160mm

## Operational Environment

### Working Conditions

Temperature: -25 to +70°C, Humidity: 20-93%