

# IP55 Rated Custom Generator

This custom-built IP55-rated generator is designed for robust performance in demanding environments. The generator's durable construction ensures protection against dust and water ingress, making it suitable for various industrial and outdoor settings.



## ADDITIONAL IMAGES



## Overview & Performance

### High-Efficiency Industrial Power Generation

This IP55-rated generator is engineered for robust performance in demanding industrial environments, offering versatile power outputs ranging from 140KW to 2200KW. Featuring a patented high-efficiency winding design and advanced AVR control systems, it ensures stable, reliable operation with low fuel consumption. Its compact architecture and superior heat dissipation capabilities make it an ideal solution for diverse power systems requiring consistent and high-quality energy output.

### Rated Power Range

**140 KW**  
Min Power

**2200 KW**  
Max Power

### Capacity Range

**500 KVA**  
Min Capacity

**750 KVA**  
Max Capacity

### Operating Specifications

| Parameter | Value/Range     |
|-----------|-----------------|
| Speed     | 1500 / 1800 rpm |
| Frequency | 50 / 60 Hz      |
| Voltage   | 110V - 690V     |

### Ratings & Classifications

IP55 Protection • H Insulation Class

## Technical Features

### Winding Technology

- Patented high-efficiency winding design for reduced fuel consumption
- Unique 2/3 pitch winding to suppress current and line voltage distortion
- Enameled flat copper wire rotor winding

### Mechanical Design

- Built-in exciter structure for low vibration and low loss
- Compact, short-size design for optimized space usage
- Enhanced ventilation and heat dissipation area to improve heat exchange capacity
- Stator-rotary lamination structure for magnetic circuit uniformity

## AVR & Control System

### Supported Voltages

- 110
- 220
- 440

### AVR Capabilities

Frequency Compensation, EMI Filtering, Fuse Protection, Parallel Operation, Over-excitation Protection