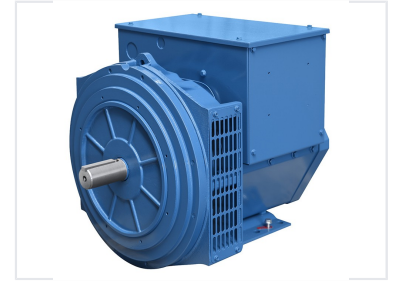


## 8.1 kVA - 20 kVA Brushless Alternator

This brushless alternator has a compact size and an exquisite appearance. It offers high reliability for power generation needs.



### Overview

#### High-Performance Brushless Alternator

The NF-164 series brushless alternator is engineered to deliver reliable power generation across a range of 8.1 kVA to 20 kVA. Designed for industrial and commercial applications, this unit features advanced automatic voltage regulation and a unique convex pole rotating magnetic field to optimize heat dissipation and mechanical strength. With its flexible 12-terminal configuration and 2/3 pitch winding, it ensures stable output and seamless parallel operation.

### Electrical Performance

#### Power Output Range

**8.1 kVA**

Minimum Power

**20 kVA**

Maximum Power

Voltage Sine Waveform Distortion	5 %
Telephone Harmonic Factor (THF)	2 %
Telephone Interference Factor (TIF)	50

### Technical Features

#### Key Design Features

- Optional auxiliary winding or phase combination excitation
- Optional permanent magnet generator (PMG) system
- Advanced automatic voltage regulation
- 12-terminal block configuration
- 2/3 pitch winding for neutral current suppression
- Convex pole rotating magnetic field design
- Full continuous damping winding

Compatible AVR Models	SX460, MX321, MX341, SX440, SX40T, AS440
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### Installation and Maintenance

#### Maintenance Features

Easy-access terminals • Accessible rotating diodes • Simple bolt shaft installation

Mounting Interface	Single-pivot and full-pivot structure meeting leading diesel land mounting standards
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