

## NES150EH

Prime Power Generator Three Phase

### Specifications

<b>Frequency</b>	<b>Hz</b>	50
<b>Output</b>	<b>KVA</b>	125
	<b>KW</b>	100
<b>Voltage</b>	<b>V</b>	200/400
<b>Current</b>	<b>A</b>	361/180
<b>Terminals</b>		4
<b>Power Factor(*1)</b>		80% Lagging
<b>Type</b>		Brushless AC Alternator
<b>Single Phase Output</b>	<b>Voltage V</b>	100
	<b>Current A</b>	100 x 2 Circuits
	<b>Outlets</b>	15A x 2
<b>Engine</b>		
<b>Engine Name</b>		Hino J08C-UD
<b>Type</b>		Direct injection type with turbo charger
<b>Cylinders Bore x Stroke</b>	<b>mm</b>	6-127 x 130
<b>Total Displacement</b>	<b>L</b>	7.961
<b>Related Output</b>	<b>kW</b>	118
	<b>PS</b>	160
<b>Speed</b>	<b>min-1</b>	1500
<b>Fuel Consumption</b>	<b>50% Load L/H</b>	14
	<b>75% Load L/H</b>	20
<b>Engine Oil Volume</b>	<b>L</b>	24.5
<b>Battery</b>		95D31R(NX120-7)
<b>Fuel Tank Capacity</b>	<b>L</b>	250
<b>Fuel</b>		Diesel Fuel
<b>Dimension, Weight</b>		
<b>Height</b>	<b>mm</b>	1,450
<b>Length (*2)</b>	<b>mm</b>	3,180
<b>Width</b>	<b>mm</b>	1,130
<b>Dry Weight</b>	<b>kg</b>	2,270
<b>Mass In Working Order</b>	<b>kg</b>	2,520
<b>Sound Power Level (*3)</b>	<b>dB</b>	95
<b>Noise Reference Value (Previous Calculations)</b>	<b>dB</b>	67

*1 Rated Voltage Classification		*4
Input	50Hz	60Hz
⊕	190~220V (380~440V)	200~240V (380~480V)

( ) indicates options.

\*2 Fuel consumption is based on operation at 75% load.  
\*3 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.  
\*4 Depending on location and area, output voltage may differ from values listed in catalog.

- Continuous output rating applies to operation under standard conditions as per JIS B8014.
- Standby output rating applies to intermittent or emergency operation for approximately 1 hour as per JIS B8014.
- Fuel consumption is based on operation at 75% load
- Sound level reflects high-speed no-load and is calculated by averaging the measurements at four points, each 7 meters from the source.
- Colors of products would be different from printed ones of catalogues.
- Specifications given herein are subject to change without notice



### 1 Performance

#### High-Quality Generator Output

Using a separately excited FET type AVR (Automatic Voltage Regulator), this unit delivers high-quality electricity with a voltage fluctuation of within 0.5%. The inverter with strong damper windings, rectifier, and other features make it possible to use this generator with special loads. (The 13E12 and 25E12 are the self-excited type).

#### Antirust

Employing the ED coating & acrylic coating is effective for antirust and offshore work.

### 2 Environment

#### Emission Control

New NES series are designed to pass the second emission control regulated by the Japanese land infrastructure and transportation ministry.

#### Sound Level

Specially designed housing structure enables to make low noise and ultra-low noise conditions. It is admitted as ultra-low noise and low noise by the Japanese land infrastructure and transportation ministry.

### 3 Running Cost

#### Compact and Lightweight design

The new NES series is designed to be the more compact and right weight.

#### Fuel Consumption

By employing the low fuel consumption engine, running costs become cheap.