Product Concept Guide

EU3200i
EU32i
EU26i

Introduction

Scenes in which the features are useful

This 3.2kVA generator is easy to carry, load and unload, and is ideal for "RVing" or living in a camper.

< Reasons why it is easy to carry around >

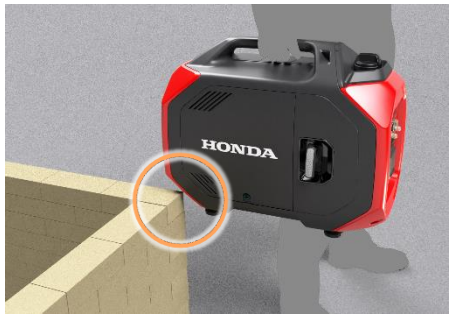
Lightweight and compact

Lightest in its class
Easy-to-lift size

Underside Grip

Shape

Corners are rounded to prevent bumping



Lightweight and compact 3.2kVA generator that is easy to use for leisure

Product Features

Digest

High output of 3.2kVA packaged in a lightweight and compact (26.8kg *1) suitcase style

New Design

◆ The Premium Intelligence Design appeals to customer by utilizing the unique appearance of the new Honda generator.

Easy and Convenient Operation

◆ Supports smart device linkage which enables remote monitoring and operation of generators.
◆ FI (Fuel Injection) eliminates carburetor maintenance and simplifies starting.

Lightweight and Compact

◆ **smallest** and **lightest**
In the 3kVA generator class

High Power

◆ Maximum **3.2kVA** output exceeds the current EU3kVA class.

*1 Dry Mass for US

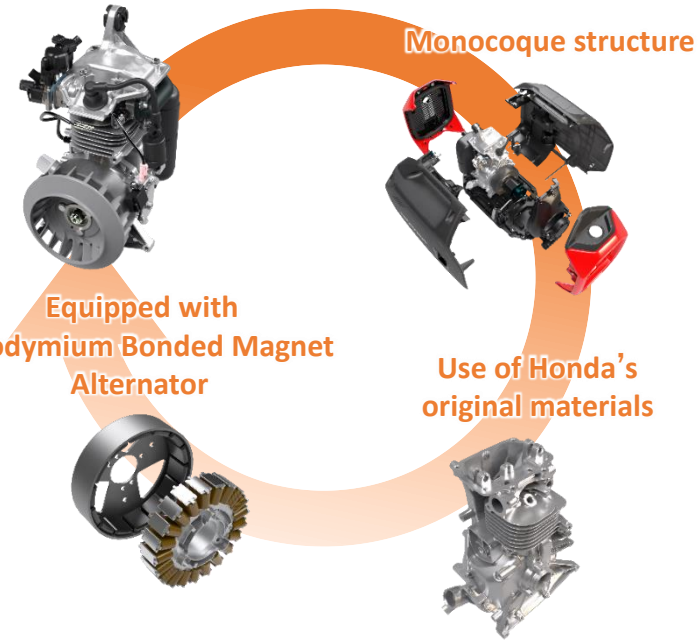
Product Features

Lightweight and Compact

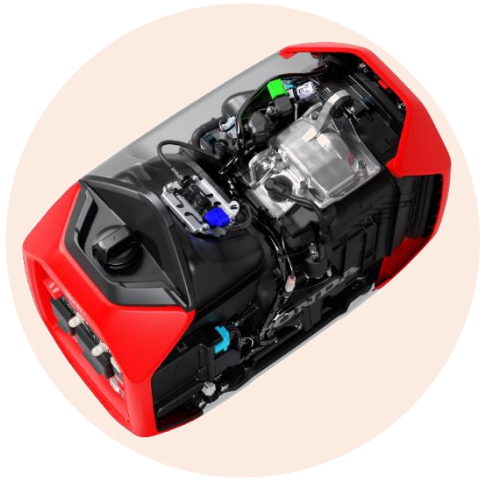
High output of 3.2kVA packaged in a compact suitcase style. The engine and many other parts have been redesigned to minimize weight and size.

< Elements for achieving lightweight and compact design>

Newly developed Engines



With the optimal component placement, a lightweight and compact suitcase style has been achieved.

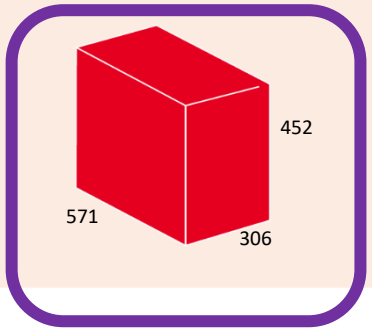


[Weight & Dimensions Comparison]
(Dimensions in mm)

EU3200i

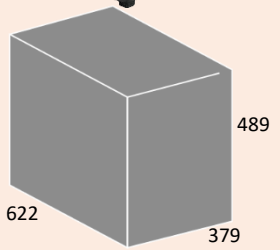
26.8 kg

Dry Mass for US



EU3000i
handi

35.2 kg



Smallest and lightest 3.2kVA generator in its class

Product Features

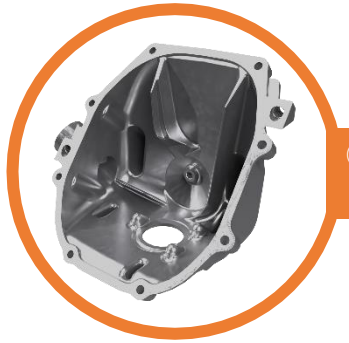
Technologies for realizing lightweight and compact design < Newly developed engine ① >
- Bearing holder structure
Newly developed compact and lightweight engine with “bearing holder structure” is mounted.

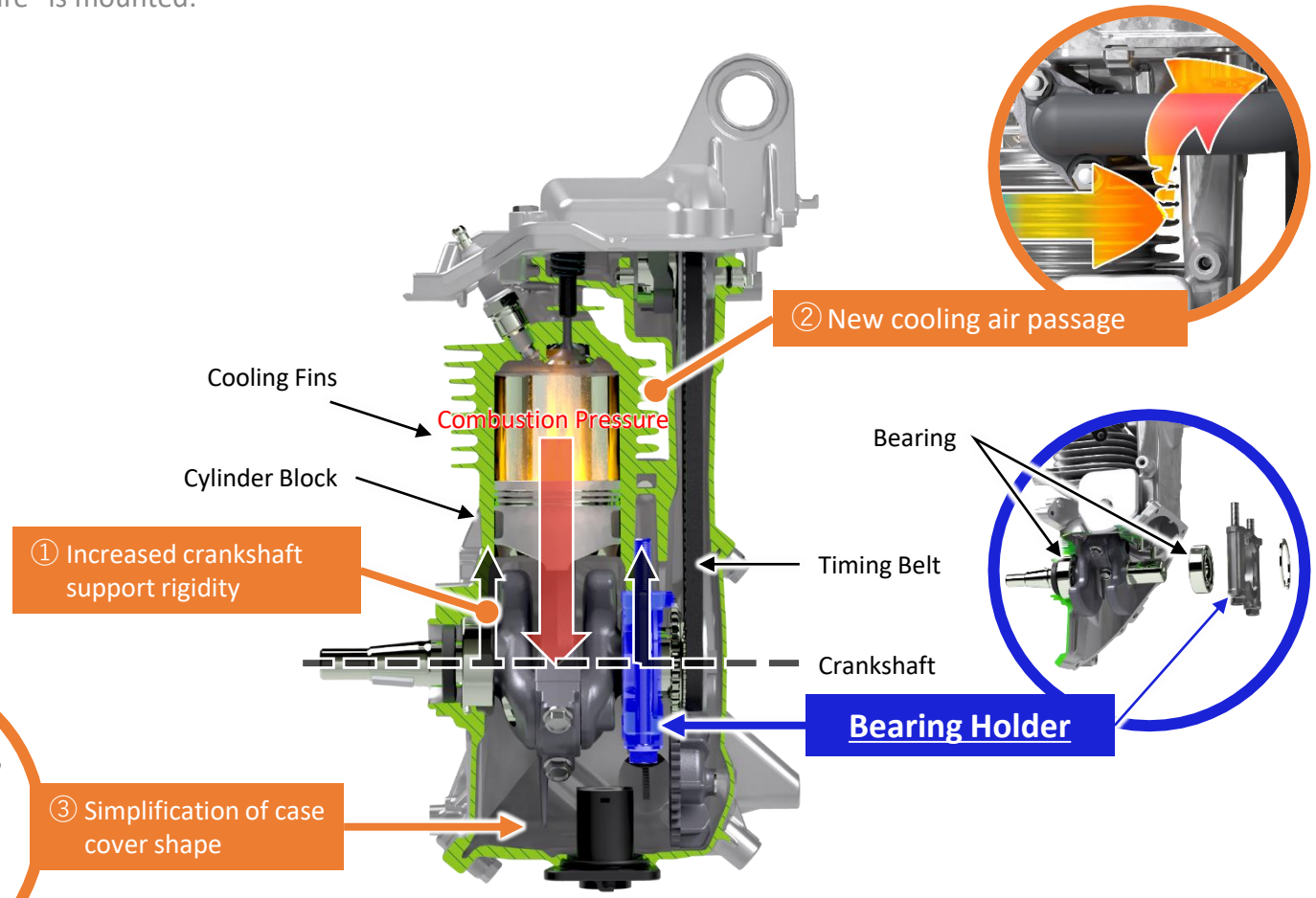
Effect of Bearing Holder Structure

① **Increased crankshaft support rigidity (= smaller engine)**
The bearings that support the crankshaft are placed at equal space across the cylinder block to ensure that the cylinder block can withstand the combustion pressure that the crankshaft receives.

② **New cooling air passage (= improved cooling performance and weight reduction)**
The combustion chamber is separated from the timing belt chamber, and a new cooling air passage is provided. Cooling performance is improved by placing cooling fins around the combustion chamber. Thinner cooling fins also contribute to weight reduction.

③ **Simplification of case cover shape (= weight reduction)**
Since the crankshaft is mounted on the cylinder block side, the load on the case cover is reduced, and the weight is reduced by making the case cover thinner and simpler in shape.



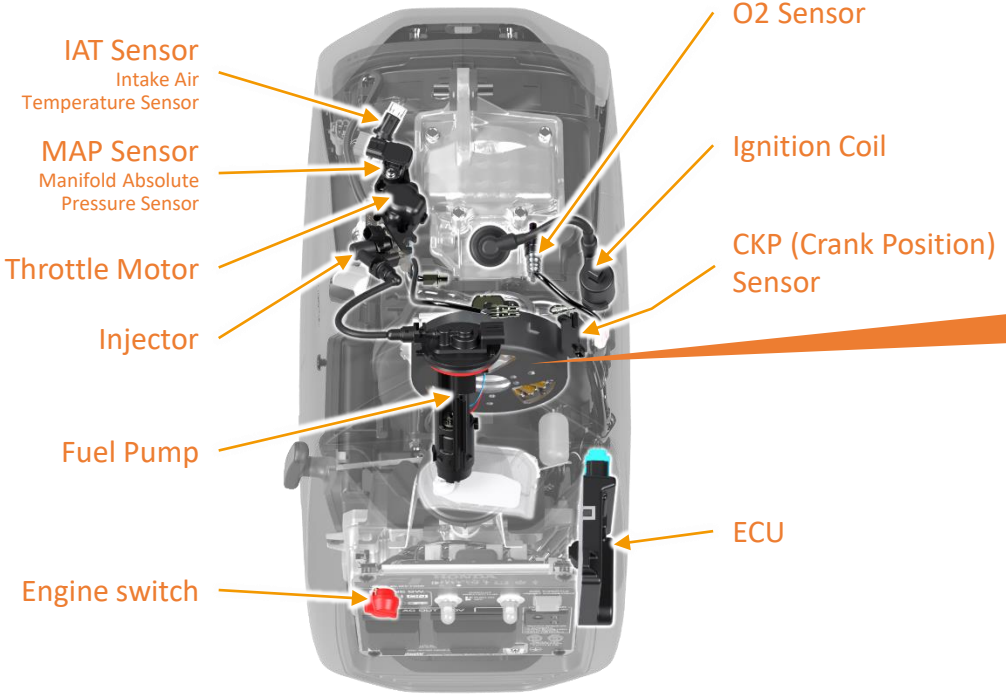


Product Features

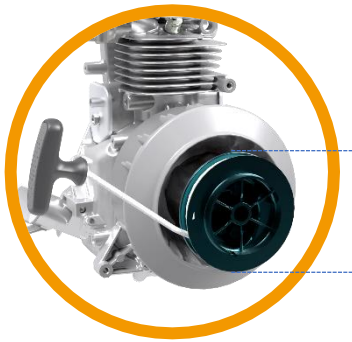
Technologies for realizing lightweight and compact design < Newly developed engine② >
- Battery-less FI (Fuel Injection) system

The adoption of a battery-less FI system has reduced the overall weight of the generator and has improved fuel efficiency and emission performance. Also, no carburetor maintenance is required, and the starting procedure is simplified greatly reducing the time and effort required for storage and use.

Battery-less FI System

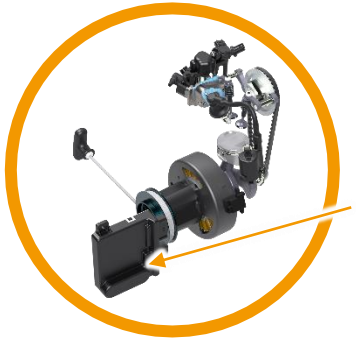


Elements for achieving battery-less operation



Recoil

Rope winding number is increased by reducing the recoil diameter to increase engine speed at startup.



ECU (FI system)

Injection, ignition, and throttle control are conducted in the low RPM range at startup to realize a battery-less engine start.

Product Features

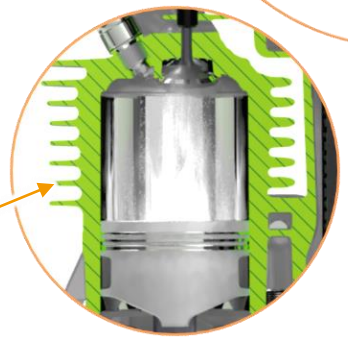
Technologies for realizing lightweight and compact design < Other >.

Monocoque Structure

There is no metal frame to form a framework, allowing high rigidity with low weight.

Honda's Original Material

Without cylinder sleeves, downsizing and weight reduction of the engine has been realized.



< Cylinder Block Cross-sectional View >

Honda's original material with excellent wear resistance eliminates the need for sleeves, contributing to weight reduction of the cylinder block.

- Thickness of the cylinder block is reduced.
- Increased number and reduced thickness of cooling fins

[Shape that give users a lightweight feeling]

Case Body Shape

- The rounded off corners prevent the case corners from hitting body.
- When lifted, the center of gravity of the generator is close to the body, making it easy to stabilize.

Handle Shape

The handle is easy to grab and can be held with both hands. (Can be held by two people.)

Underside Grip

Easy to apply force when lifting

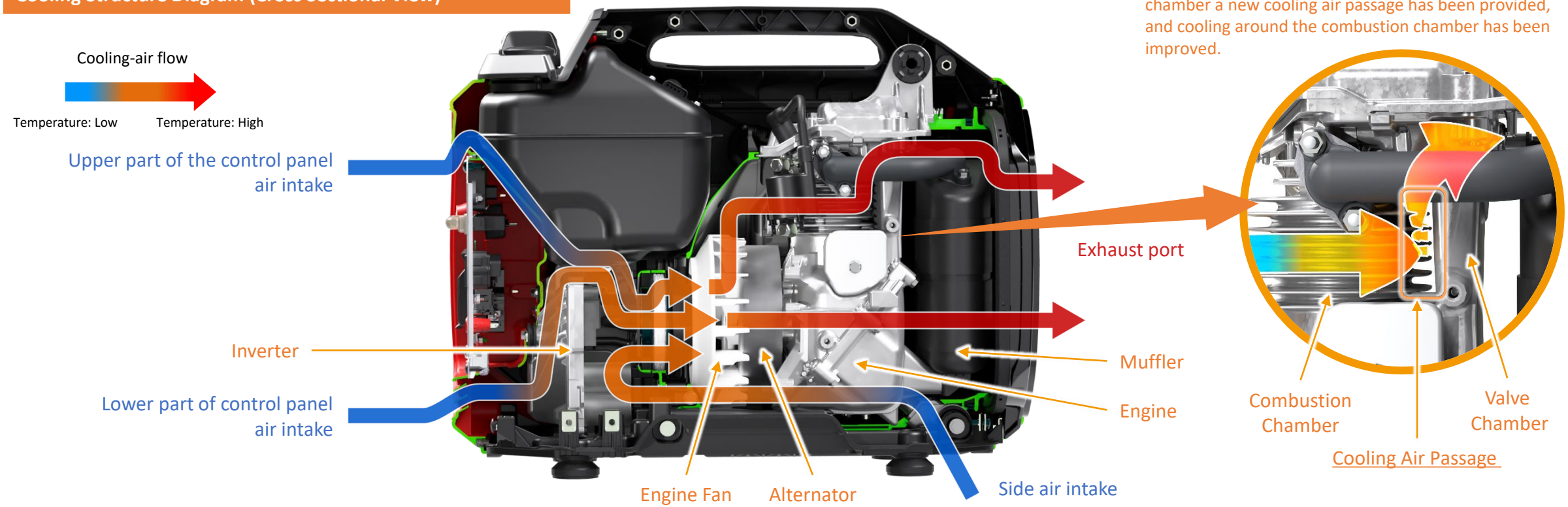
Product Features

Technology to realize high output < Newly developed engine > - Cooling structure-

The new EU3200i achieves high cooling performance while being lightweight and compact. This enables the engine to operate at the theoretical air-fuel ratio*1, achieving high environmental and top-level fuel efficiency in its class. The improved cooling performance also enables the engine to run at higher rpm, contributing to improved power generation performance.

*1This is the ratio of air to fuel that theoretically allows for complete combustion of the fuel injected into the engine. It uses all the energy of the fuel and releases the exhaust gas contains the lowest level of harmful components.

Cooling Structure Diagram (Cross Sectional View)

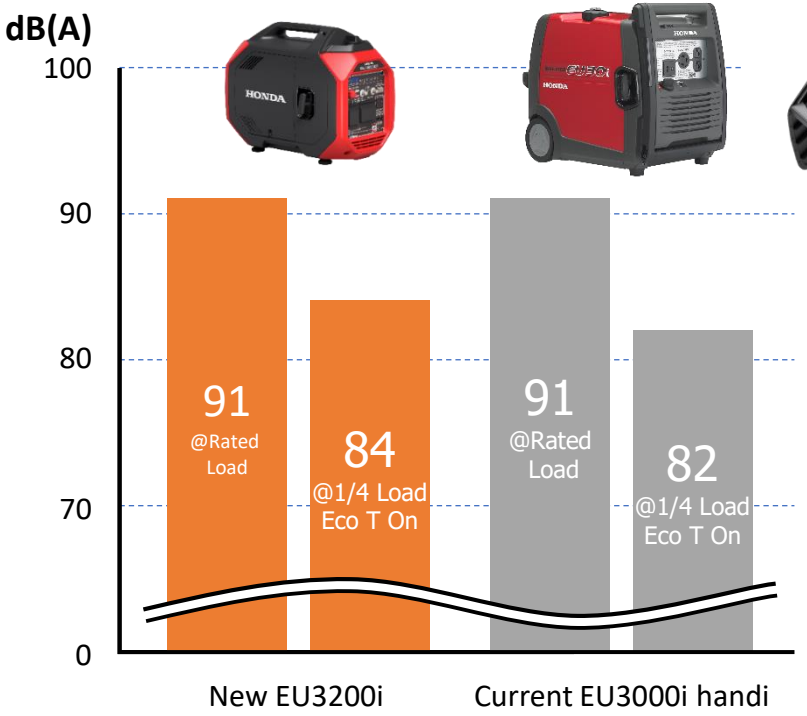


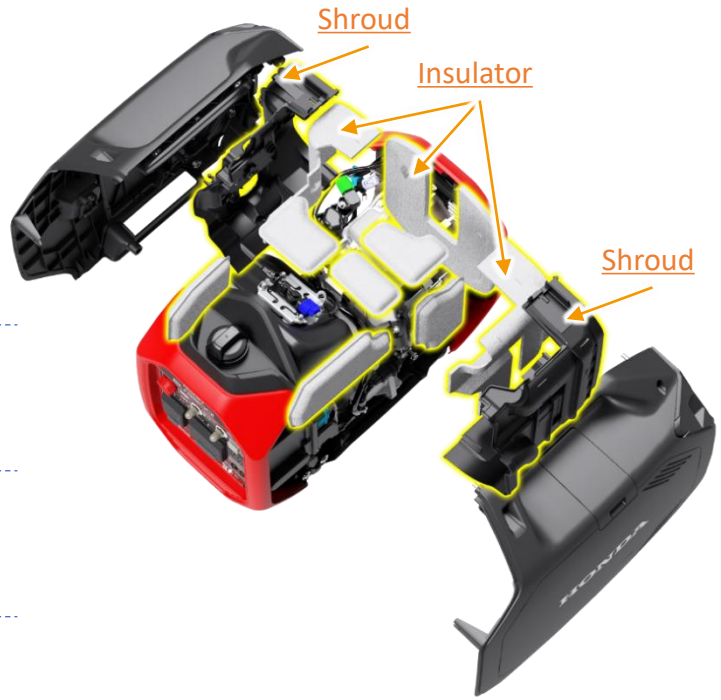
Product Features

Technology to realize high output < Others

The increase in noise level due to the higher output is covered by the insulator and the shroud.

[Noise Comparison]





Parallel operation is supported.

The parallel operation connection kit for the EU30is is applicable.

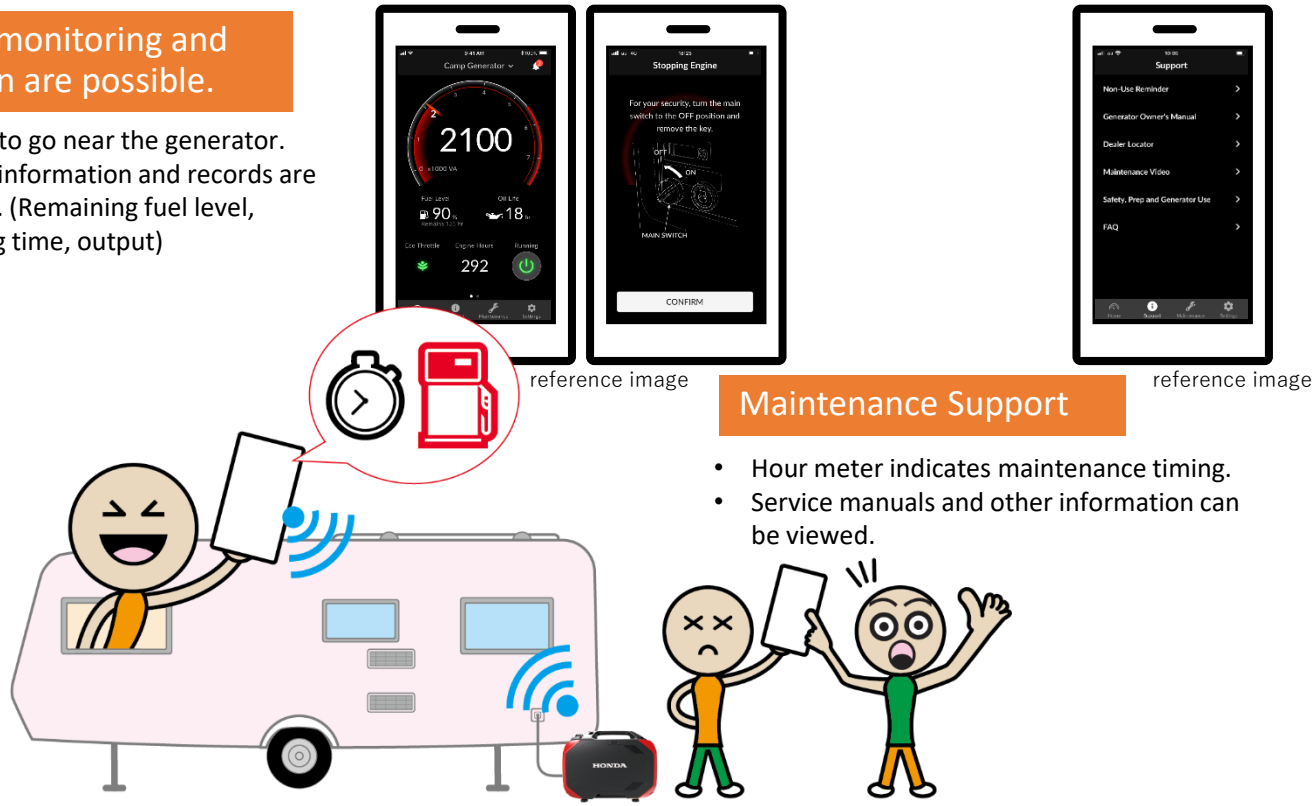
Product Features

Easy and convenient operation ① - Linking with smartphone app-

Bluetooth connection with a smartphone allows remotely monitoring the status of the generator via the smartphone app as well as stopping the engine.

Remote monitoring and operation are possible.

- No need to go near the generator.
- Detailed information and records are available. (Remaining fuel level, operating time, output)

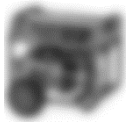


Maintenance Support

- Hour meter indicates maintenance timing.
- Service manuals and other information can be viewed.

More items can be monitored and operated.

Functional Comparison

		Honda	Competitor **A**	Competitor **B**
		New EU3200i	-	-
				
Remote control	Engine stop	○	○	×
Remote monitoring	Operating condition	○	○	○
	Output power	○	○	○
	Error / Maintenance information	○	×	○
	Remaining fuel level / Remaining operating time	○	○	○

Generator status can be easily seen. Operation and monitoring of the generator can be made remotely.

Product Features

Easy and convenient operation ② -Easy start-

The use of FI (Fuel Injection) and an open fuel system allows for starting in 2 actions.

New EU3200i

Two actions!

Switch ON

Recoil Operation

Reference: EU2200i — 5 actions

Operating the fuel filler cap

▶ Switch ON

Closing choke

Recoil operation

Opening choke

Specifications

Variation

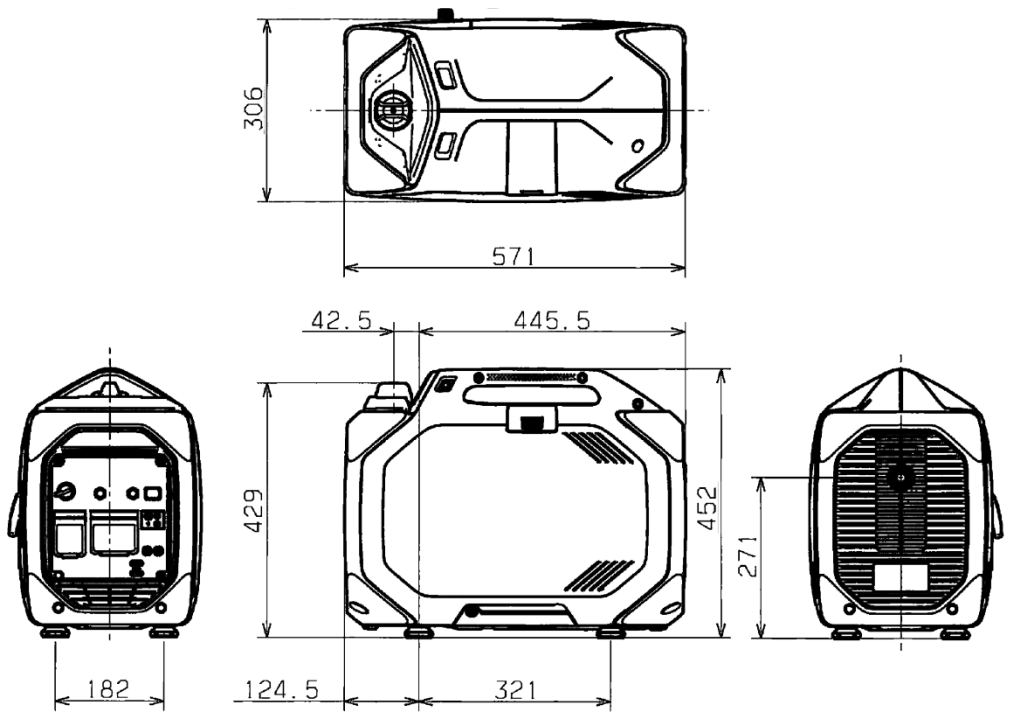
		Model designation		EU26i	EPH2600i	EU3200i			EU32i												
Specifications		Specifications		Japan	Hokuetsu specifications	US (49 states)	US (CA)	Canada	Central and South America	Russia	EU/ Germany/ Ukraine	France	Italy	Kenya	UAE	Saudi Arabia	South Africa	China	Philippines	Korea	Australia
				JN	JN	AN	AC	C	L	RG	G	F	IT	RK	MK	LS	M	RH	S	SK	U
		Voltage	(V)	100		120				230									220		240
		Frequency	(Hz)	50 / 60		60				50						60	50		60		50
Control Panel	Engine switch	Canister valve linkage																			
	Frequency switching switch (50/60Hz)			○		-															
	Eco-throttle switch								○												
	Display	Oil Alert							○												
		Fuel level display							○												
		Overload warning light							○												
		Pilot (output indicator light)							○												
	AC	electrical outlet (concentric plug)		100V/15A (twist lock) 100V/30A		120V/20A 120V/30A		120V/20A 120V/30A	120V/20A 120V/30A	230V/16A	230V/16A	230V/16A	230V/16A		230V/13A	220V/16A		220V/20A	220V/16A	230V/15A	
		Outlet cover (ANSI G300 compliant)		-		○							-							○	
		Outlet protector		-		20A x 1 30A x 1		20A x 2 30A x 1	-			16A x 2			13A x 2		-				
		Main breaker	Built-in Inverter																		
			Electromagnetic breaker																		
		Parallel operation terminal							○												
	Display UNIT (LED)								○												
	Bluetooth			○	*								○								
	Ground terminal								○												
Frame	Frame	Full-coverage structure							○												
	Fuel system	Fuel valve							-												
		Canister	External Canister						○												
	Intake system	Air cleaner	Element: filter paper, urethane, semi-dry						○												
	Exhaust system	Spark Arrester	Installed on the tail pipe side						○												
	Electrical system	CO shutoff mechanism (PGMA-G300)		-		○			-												
		Inverter		100V specification		120V specification			230V specification									220 V specification		230V specification	
		ECU							○												
Engine	Starting method	Recoil							○												
	Ignition method	Full transistor							○												
	Oil Alert								○												
	Eco throttle (electronic governor)								○												
	Breather heater			-				○	-												
Option	Outlet box for parallel operation								-												
	Breather heater kit			-		YOP			-												
Parts included	Tool (esp. software, etc.)			○		YOP			○												
	Owner's manual								○												
	Plug for electrical outlet			-					(1) + (2)	(Outlet)										-	
Laws, regulations and standards				Electrical Safety Law		CARB/EPA, etc.		CSA	-	8528-13, etc.	WEEE. ROHS VDE standards, etc.	EN ISO 8528-13, etc.		-	QUCAS	SASO	SANS	CB Standard	-	-	AS (Outlet)

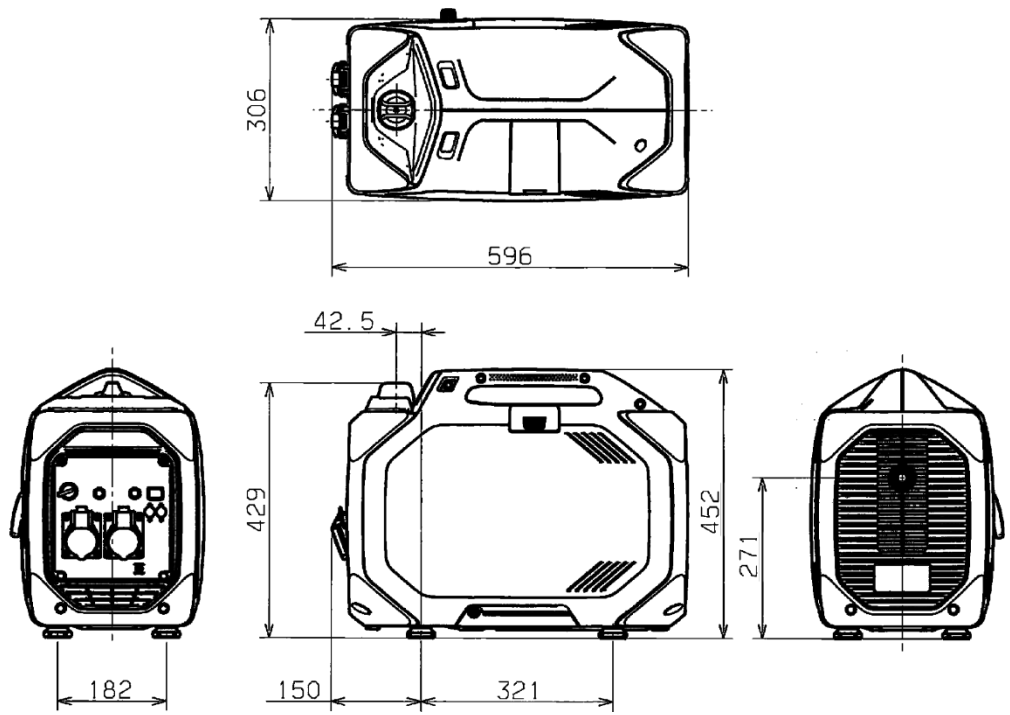
Specifications

External View

Unit: mm

[IT / RK Type]





Specifications

Basic Specification

Name		EU3200i	EU32i														EU26iJ
Appearance		 This image is US specification.															
Type		AC	AN	C	L	LS	F	G	RG	IT	RK	MK	U	SK	S	RH	M	JN
Engine	Type	GX130																
	Total displacement (cm^3) / Valve arrangement	130 / OHC																
	Engine Speed (rpm)	3500 to 5500 [4800 to 5500 with Eco-throttle Switched Off].																
Generating Power	Rated Output (VA)	2.6																
	Maximum Output (VA)	3.2																-
Power Conversion system		DC -AC Conversion System (Inverter System)																
Continuous Operating Time (Rated) (h)		3.3																3.3 / 8.6(1/4 Load)
Fuel type		Unleaded Gasoline E10			Unleaded Gasoline E0		Unleaded Gasoline E10		Unleaded Gasoline E0	Unleaded Gasoline E10	Unleaded Premium Gasoline E0	Unleaded Gasoline E0						
Effective fuel tank capacity (L)		4.7																
Noise Level (dB)(L_{WA})	@ Rated Load	91					-		91	-	91							91*1 [¾Power: 88 / ¼ Power: 84]
Dimensions (mm)	Overall Length / Width / Height	571 / 306 / 452								596 / 306 / 452		571 / 306 / 452						
Mass (kg)	Dry Mass	26.8			26.5													
	Wet Mass	30.7			30.4													

1: When Eco-throttle Switched On