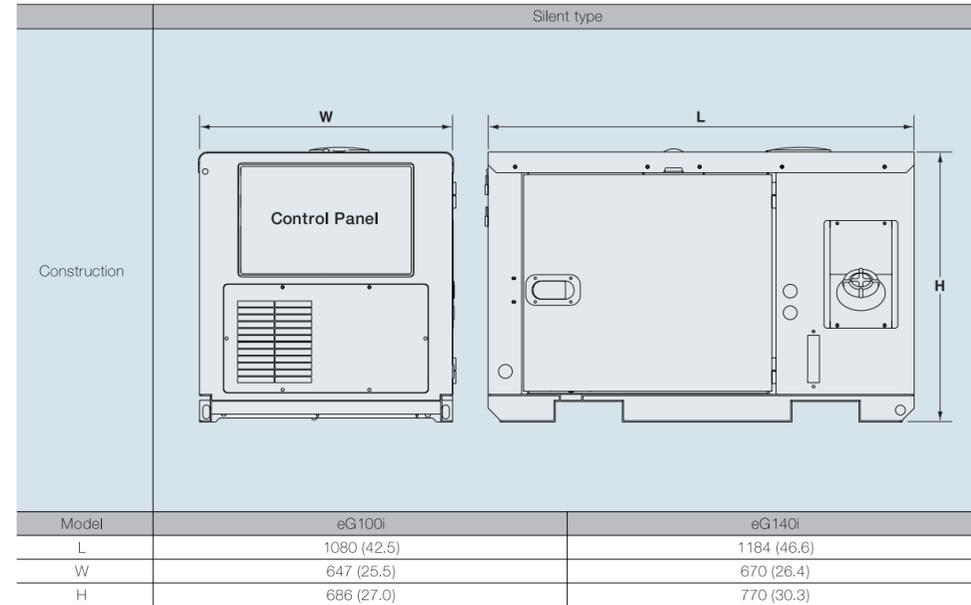


DIMENSIONS Unit=mm(in.)



ACCESSORIES

○:Standard ▲:Option

Model	Silent type	eG100i	eG140i	
Generator control panel	AC voltmeter	○	○	
	Circuit breaker	○	○	
	Pilot lamp	○	○	
Engine control panel	Engine speed (7seg,Display)	○	○	
	Hour meter (7seg,Display)	○	○	
	Fuel level gauge	○	○	
	Starting key switch	○	○	
	7seg,Display	Water temp.(E052)	○	○
		L.O press.(E051)	○	○
Warning lamp	Battery charge	○	○	
	High water temp.	○	○	
Protection system	Low oil press.	○	○	
	Battery charge	○	○	
	Over current shut off trip	○	○	
Output terminal	Concent	○	○	
	terminal bolt	▲	▲	
Others	Remote start/stop system	▲	▲	
	Automatic start/stop system	▲	▲	
	Terminal for AMF/ATS panels	○	○	



WATER - COOLED DIESEL GENERATORS

# eG-i series

Generator Output **Inverter**  
7.5kVA·11kVA



**Yanmar America Corp.**

951 Corporate Grove Drive, Buffalo Grove, IL 60089-4508, U.S.A.  
Tel : 1-847-541-1900 [www.yanmar.com](http://www.yanmar.com)

**Yanmar Asia (Singapore) Corporation Pte. Ltd.**

4 Tuas Lane, Singapore 638613  
Tel : 65-6595-4200 [www.yanmar.co.jp/yasc](http://www.yanmar.co.jp/yasc)

**Yanmar Engine (Shanghai) Co., Ltd.**

18F, North Tower, Shanghai Stock Exchange Building 528  
South Pudong Road, Pudong Shanghai, China 200120  
Tel : 86-021-68805090 [www.yanmar-sha.com](http://www.yanmar-sha.com)

**Yanmar Europe B.V.**

Brugplein 11, 1332 BS Almere-de Vaart, The Netherlands  
Tel : 31-36-5493200 [www.yanmar.nl](http://www.yanmar.nl)

**Yanmar Italy S.p.A.**

Via Carlo Noe', 43/A, 21013 Gallarate (Varese), Italy  
Tel : 39-0331-706.601 [www.yanmaritaly.it](http://www.yanmaritaly.it)

**Yanmar Co., Ltd.**

1-32, Chayamachi, Kita-ku, Osaka 530-8311, Japan  
Tel : 81-6-6376-6411 [www.yanmar.co.jp/en/](http://www.yanmar.co.jp/en/)



**YANMAR CO.,LTD.**

1-32, Chayamachi, Kita-ku, Osaka 530-8311, Japan  
Tel:+81-6-6376-6411 Fax:+81-6-6377-1243  
[www.yanmar.co.jp/en/](http://www.yanmar.co.jp/en/)

All data subject to change without notice.

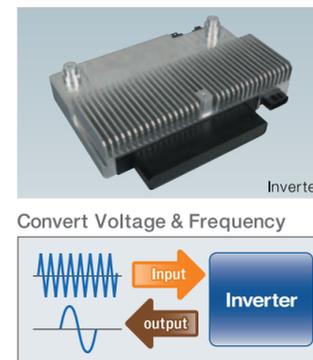
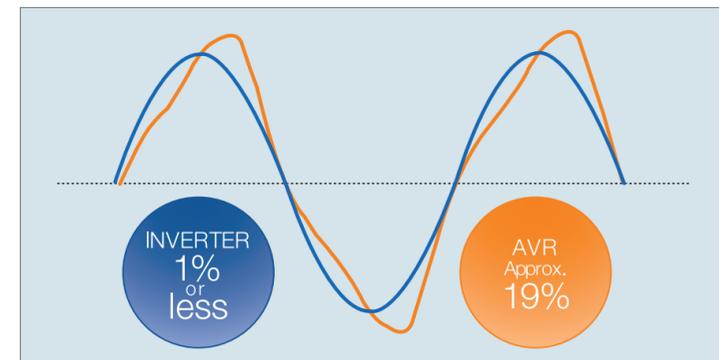
# The Innovator in The Industry

Based on all years experiences in developing inverter products, eG-i series, the first inverter diesel generator in this class, has been proudly released from Yanmar with the following advanced features and benefits.

## High Quality Power Supply

High quality, pure sine wave electrical output perfect for sensitive equipment like computers and TVs, as well as inductive load like pumps. Also suitable as a residential standby generator.

### THD (Total Harmonic Distortion)



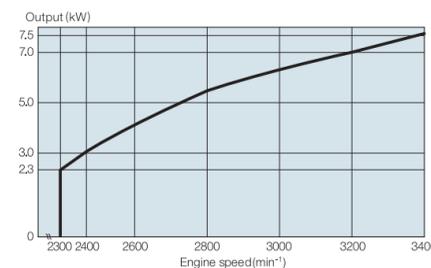
## High Output

Output at 50Hz has been increased by 20% to ensure equal output at both 50Hz and 60Hz.

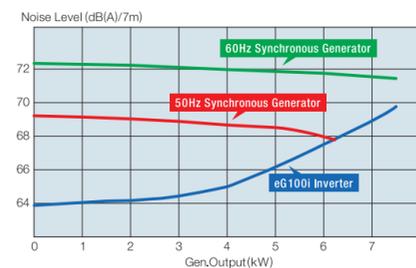
## Low Noise Level

Our energy-saving system that constantly keeps engine rotation to the minimum necessary, coupled with noise reducing muffler and optimally matched acoustic absorbent materials, make this generator up to 9dB(A) quieter than previous models.

### Variable engine speed of eG100i



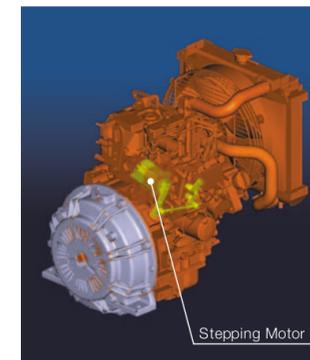
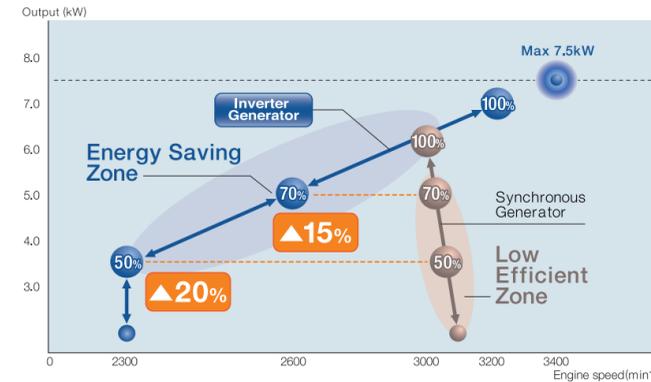
### eG100i Noise Comparison



## Energy-Saving Operation

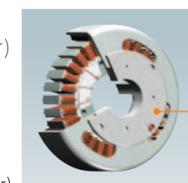
In addition, our energy-saving system that optimizes engine rotation makes this model up to 20% more efficient than previous models and expanded fuel tank allows continues usage of over 14 hours at 70% load.

### eG100i Fuel Consumption



## Lightweight Compact Design

Our compact vertical water-cooled diesel engine and PMA (Permanent Magnet Alternator) enable us to create a lightweight compact design with great portability.



PMA (Permanent Magnet Alternator)



Terminal for AMF/ATS



## Terminal for AMF/ATS Panels

Against power cuts in the commercial supply, the eG-i series can be set to start automatically when the power goes off, and stop when it comes back on. You know that you can trust the new eG-i series to do the work that is needed, and stop when you don't want it on.

## SPECIFICATIONS

Model	eG100i		eG140i	
Frequency	Hz 50 / 60			
Output	Stand-by power rating	kVA	7.5	11.0
		kW	7.5	11.0
	Prime power rating	kVA	7.0	10.2
		kW	7.0	10.2
Voltage	V 220 (110, 120, 240)			
Current (Prime)	A	31.8 (63.6, 58.3, 29.2)		46.4 (92.7, 85.0, 42.5)
Phase and wire	Single Phase, 2 wire			
Power factor	%	100		
Insulation class	Class B			
No. of poles	Multipole			
Excitation	PMG type			
Control system	CVCF (Voltage & frequency control system)			
Voltage wave	Sine wave			
Type	Vertical, 4-cycle, water-cooled diesel			
Model	2TNV70-ASG		3TNM68-ASG	
No. of Cylinders-bore x stroke	mm 2-70 x 74		3-68 x 72	
Displacement	lit. 0.570		0.784	
Continuous rating output	kW/min <sup>-1</sup> 8.4 / 3600		12.5 / 3600	
Rated output	kW/min <sup>-1</sup> 9.3 / 3600		13.8 / 3600	
Revolutions	min <sup>-1</sup> 2300 ~ 3400			
Combustion system	Indirect injection (IDI)			
Cooling System	Radiator			
Aspiration	Natural Aspiration			
Lubricating system	Forced lubrication by trochoid pump			
Starting system	Electric starting			
Fuel	Diesel fuel (BS2869A1 or equivalent)			
Lubricant	SAE 10W - 30, API class : CD or higher			
Cooling water qty	Engine	lit. 0.9	1.0	
	Radiator	lit. 1.6	1.2	
Lubricant qty	Total	lit. 2.2	3.2	
	Effective	lit. 1.0	1.5	
starting motor	V-kW	12 - 1.0		12 - 1.2
Charging dynamo	V-A	12 - 40		
Battery(5HR)	V-AH	12 - 36 (46B24L or 55B24L)		12 - 36 (46B24L)
Fuel consumption	25% load	lit./hr 1.1	1.6	
	50% load	lit./hr 1.6	2.3	
	75% load	lit./hr 2.2	3.2	
	100% load	lit./hr 3.0	4.3	
Noise level(7m)	25% load	dB(A) 63.5	64.0	
	70% load	dB(A) 65.5	66.0	
	100% load	dB(A) 67.5	68.0	
Fuel tank capacity	lit.	30		40.7
Dry weight	kg	257		278

## CONTROL PANEL



60Hz, 120 / 240V



60Hz, 110 / 220V



50Hz, 220V



50 / 60Hz, 110 / 220V



50Hz, 230V



50Hz, 240V