

OutdoorC Power Equipment



 **YAMAHA**

Features



Inverter

Pure sine wave as clean as or cleaner than commercial power will operate products with built-in microcomputers.



Economy Control

Economy idle control returns the engine to idle when there is no load, for improved fuel efficiency and quieter operation.



Smart Throttle

Automatically varies engine speed to precisely match load, resulting in greater fuel efficiency and noise reduction.



4-Stroke OHV Air-Cooled Engine

Precise valve actuation and heavy-duty design offer improved efficiency, increased reliability and quiet operation.



Fuel Gauge

Allows the operator to monitor the fuel level without removing the filler cap.



Brushless Alternator

Reduces maintenance requirements, produces clean output and provides years of worry-free service.



Auto Decompression System

Automatically reduces engine compression to provide a light recoil starter pull for effortless manual starting.



AC Non-Fuse Thermal Breaker

Protects the AC circuit in case of an overload for added durability and peace of mind.

AC



Oil Watch Warning System

Automatically shuts off engine when oil level is low and cannot be re-started until oil is added, preventing engine damage and costly repairs, while enhancing long-term durability.



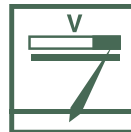
Auto Choke

Ensures easy engine starting regardless of the conditions.



12-Volt DC Output

Provides recharging capability for 12-volt batteries (charging cables included).



AC Voltmeter

Provides easy-to-read voltage output for added convenience.



Electric Start

Effortless starting.



Rugged Full Rollover Frame

For added durability, also doubles as carrying handles.



Silent Type

An acoustically designed sound reduction system, with moulded casing and noise-absorbing glass wool construction to provide superior noise reduction.

2-Year Limited Warranty*

Yamaha offers a standard 2-year limited warranty on all generators. Standard. No strings attached. No extra fees. At Yamaha we stand behind our product, providing you peace of mind.

*2-year warranty on all generators, for non-commercial use only. See dealer for commercial warranty coverage. Water pumps receive one-year warranty (non-commercial use). See dealer for details. Due to Yamaha's ongoing commitment to product improvement, we reserve the right to change without notice.

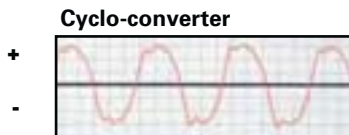
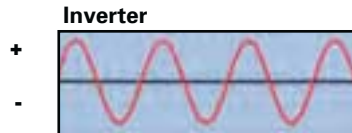
2
YEAR
LIMITED
WARRANTY*

About Yamaha Inverters

The New Yamaha Inverter Generators are next-generation portable generators featuring a microcomputer-controlled inverter system. This technology sets the new standards in compact lightweight portability, quiet operation and clean, high-quality electric current.

Silent Design for very Quiet Operation

Generating electricity can be noisy, or at least that's how it used to be. You'll be pleasantly surprised how much quieter inverters can run! That's the result of features like our Smart Throttle System, a large-capacity air silencer and special muffler design. Engine intake and exhaust noise are reduced, while maintaining quality performance.



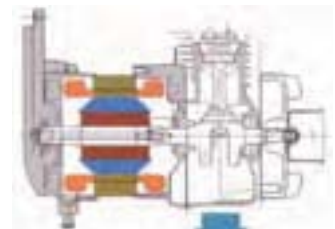
Outstanding Fuel Economy

Keep fuel costs to a minimum thanks to Yamaha's Smart Throttle System. It regulates the engine's RPM in relation to the amount of electricity required. Working together with the Over Head Valve (OHV) engine design, you'll spend less on gas with longer running times between refueling stops.

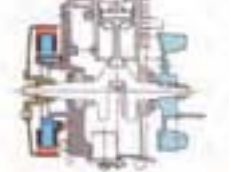
Environmentally Friendly

The engines found in inverter generators offer a high level of combustion efficiency, which produces a clean exhaust, making these models a wise choice to protect our environment.

Conventional System



Inverter System



High-Quality Electricity

Inverter technology regulates the electrical output using Pulse Width Modulation (PWM). That means our inverters deliver a "pure" sine wave with full width and amplitude so you can use them with confidence as a power source for computers, solid-state appliances with built-in computer functions or microcomputer-controlled power tools.

Lightweight and Compact

Our inverter generators are built with a multi-polar alternator, creating an excellent power-to-weight ratio. Inverters use fewer parts, making them ultra compact and lightweight. Enjoy the convenience of portability.



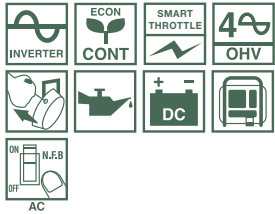
Inverters



EF1000iS

The ultimate in lightweight, portable electricity – quiet, durable and convenient.

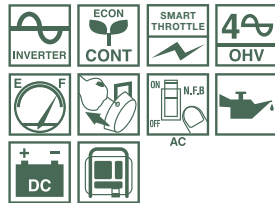
- 1,000 watts / 8.3 amps
- Light weight at a mere 12.7kg / 28 lb
- Easy suitcase-style carrying handle
- Silent type provides very quiet operation 47 dB
- 12-volt DC capability to charge battery



EF2000iS

Ingenious portability that's powerful and versatile enough to make your campsite more comfortable or rescue your home in a blackout.

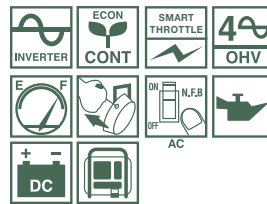
- 2,000 watts / 16.7 amps
- Light weight at only 20kg / 44 lb
- Central control panel for ease of use
- Extra-large handle for easy portability
- Silent type provides very quiet operation 51.5 dB



EF2400iS

The world's first lightweight die-cast frame on a portable generator. Powered by the MZ175 engine found on larger Yamaha generators, it allows for a high power output in a compact design.

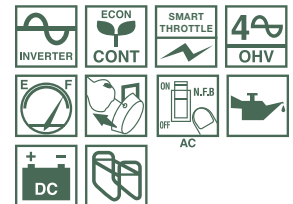
- 2,400 watts / 16.7 amps
- Die-cast aluminum frame
- Silent type provides very quiet operation 54 dB
- 12-volt DC capability to charge battery
- Optional wheel kit



EF2800i

It's super light, extremely compact and delivers high output. Long operating times with fewer stops to refuel!

- 2,800 watts / 23.3 amps
- Light weight at only 29kg / 63.9 lb
- Provides up to 21 amps of continuous power on a single receptacle
- Up to 17 hours of continuous operation
- 12-volt DC capability to charge battery

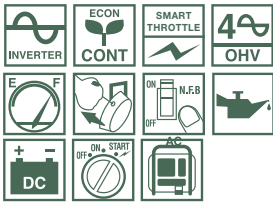




EF3000iSE

Strengthening the core of our inverter lineup is the Yamaha EF3000iSE.

- 3,000 watts / 25.0 amps
- Effortless electric starting
- Centralized control panel for easy access to controls
- Up to 20.5 hours of continuous operation
- Built-in wheels for easy transportation



EF3000iSEB

The EF3000iSEB has all the same features as the EF3000iSE, plus:

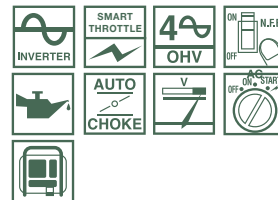


- Yamaha-exclusive Boost Technology senses when extra power is needed and boosts the output for up to 10 seconds, ample time to give air conditioners, power tools and equipment that extra boost of power they need to start quickly and efficiently

EF4500iSE

The EF4500iSE was designed for maximum fuel efficiency and minimum noise, qualities which make it the ultimate RV accessory.

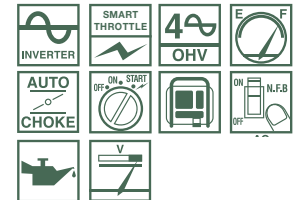
- 4,500 watts / 33.3 amps
- Very quiet at 58~60 dB
- Ultra-low engine speed operation
- Twin bar design and large castor wheels for easy manoeuvrability
- Power meter
- Hour meter
- Up to 15.2 hours of continuous operation



EF6300iSDE

Our most powerful inverter yet, the all-new EF6300iSDE is a fully enclosed modern design making it practically silent!

- 6,300 watts / 45.8 amps
- Dual voltage provides the versatility of 120 and 240-volt operation
- Twin bar design and large castor wheels for ease of manoeuvrability
- Power meter
- Hour meter
- Up to 13.3 hours of continuous operation



Battery included on electric start inverter models.



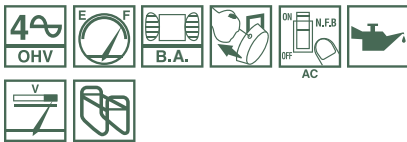
Premium Generators



EF2600

Power home appliances in an emergency, tools like disc sanders or even a space heater. Its quiet dependability offers unrivaled performance and peace of mind.

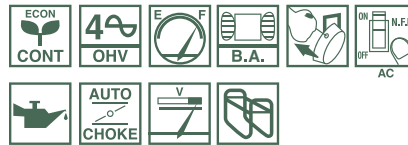
- 2,600 watts / 21.7 amps
- Large fuel tank enables up to 9 hours of continuous operation
- Cast-iron cylinder lining dissipates heat, extending engine life
- Transistor Controlled Ignition (T.C.I.) provides clean, efficient spark that ensures fast, easy starting
- Mechanical governor maintains engine speed to deliver consistent AC output.
- Brushless alternator is maintenance-free and reliable



EF4000D

For the cottage or for the job site.

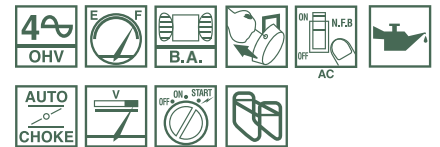
- 4,000 watts / 33 amps @ 120 volts & 16.7 amps @ 240 volts
- Damper Winding alternator greatly reduces the electricity waveform distortion, allowing safe use of the generator with appliances equipped with sensitive microcomputer control
- Versatile 120 and 240-volt operation
- Cast-iron cylinder lining dissipates heat, extending engine life
- Mechanical governor maintains engine speed to deliver consistent AC output
- Transistor Controlled Ignition (T.C.I.) provides clean, efficient spark that ensures fast, easy starting
- Brushless alternator provides low maintenance and years of worry-free service



EF5200DE

Unbeatable combination of power and performance in a quiet, compact design. (Battery not included)

- 5,200 watts / 43.3 amps @ 120 volts & 21.7 amps @ 240 volts
- Dual voltage provides the versatility of 120 and 240-volt operation
- Cast iron cylinder lining dissipates heat, extending engine life
- Mechanical governor maintains engine speed to deliver consistent AC output
- Brushless alternator provides low maintenance and years of worry-free service
- Automatic Voltage Regulation (A.V.R.) guarantees accurate power delivery to protect tools and electrical implements

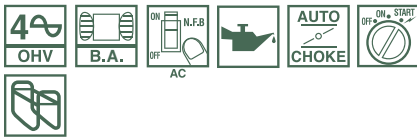




EF6200PDEX

Convenience and efficiency of propane without sacrificing the performance and reliability you demand from a generator.

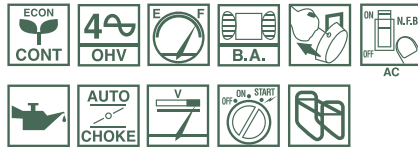
- 6,200 watts / 51.7 amps @ 120 volts & 25.8 amps @ 240 volts
- Dual voltage provides versatility of 120 or 240-volt operation
- Transistor Controlled Ignition (T.C.I.) provides clean, efficient spark for fast, easy starting
- Mechanical governor maintains engine speed to deliver consistent AC output
- Built-in propane pressure regulator
- Propane compatible engine design
- Automatic Voltage Regulation (A.V.R.) guarantees accurate power delivery to protect tools and electrical implements



EF6600DE

Convenient, powerful and efficient for home or commercial use.

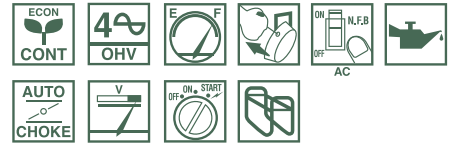
- 6,600 watts / 55 amps @ 120 volts & 27.5 amps @ 240 volts
- Dual voltage provides the versatility of 120 and 240-volt operation
- Cast-iron cylinder lining dissipates heat, extending engine life
- Transistor Controlled Ignition (T.C.I.) provides clean, efficient spark for fast, easy starting
- Mechanical governor maintains engine speed to deliver consistent AC output
- Economy idle control returns the engine idle when there is no load, for improved fuel efficiency and quieter operation
- Automatic Voltage Regulation (A.V.R.) guarantees accurate power delivery to protect tools and electrical implements



EF12000DEX

Our highest output gasoline-powered 120 / 240-volt output generator.

- 12,000 watts / 100 amps @ 120 volts 50 amps @ 240 volts
- Dual voltage provides the versatility of 120 and 240-volt operation
- Cast-iron cylinder lining provides optimal heat dissipation, consistent performance during continuous use and long engine life
- Transistor Controlled Ignition (T.C.I.) provides clean, efficient spark for fast, easy starting
- Mechanical governor maintains engine speed to deliver consistent AC output
- Economy idle control returns the engine idle when there is no load, for improved fuel efficiency and quieter operation
- Built-in wheels for easy transportation



Batteries not included on all Premium Generator models



Application Chart

Appliances	Approx. Running Wattage	Approx. Starting Wattage
DVD Player	25	25
VCR	50	50
Radio	100	100
Portable Fan	150	200
Laptop Computer	250	250
Desktop Computer	–	–
Television	350	350
Dehumidifier	500	750
Small Refrigerator	500	1000
Microwave	700	950
Coffeemaker	850	850
Clothes Iron	1250	1250
Kettle or Toaster	1100~1600	1100~1600
Clothes, Washing Machine	750	2300
Clothes Dryer: Gas	700	1800
Clothes Dryer: Electric	5750	1800
Refrigerator or Freezer	700	2200
Sump Pump (1/2 horsepower)	1050	2050
Electric Range Oven	2100	2100

Workshop	Approx. Running Wattage	Approx. Starting Wattage
Jigsaw	300	450
Circular Saw	800 ~ 1800	1200 ~ 3000
Table Saw	1500 ~ 1800	3000 ~ 4500
Chain Saw	900	1200
Disc Grinder	2000	4000
Electric Weed Trimmer	500	800
Power Hand Drill	350~600	350~600
Electric Welder (100 Amps)	3600	3600
Shop Vacuum	900	900
Air Compressor:		
1/2 horsepower	1000	2000
1 horsepower	1500	4500
1 1/2 horsepower	2200	6000
13,500 BTU	1800	2800
Refrigerator or Freezer	700	2200
Sump Pump (1/2 horsepower)	1050	2050
Electric Range Oven	2100	2100






Values are estimated for reference only, check your equipment or appliance for actual power requirements.

Do not connect any generator to any building's electrical system unless an isolation switch has been installed by a licensed electrician and all connections comply with all applicable laws and codes.

Heating & Cooling	Approx. Running Wattage	Approx. Starting Wattage
Water Heater, Room Heater, Furnace Fan, Gas or Fuel Oil Furnace:		
1/8 horsepower	300	500
1/6 horsepower	500	750
1/4 horsepower	600	1000
2/5 horsepower	700	1400
3/5 horsepower	875	2350
Central Air Conditioner:		
10,000 BTU	1500	2200
20,000 BTU	2500	3300
24,000 BTU	3800	4950
32,000 BTU	5000	6500
40,000 BTU	6000	6700
RV Air Conditioner:		
13,500 BTU	1800	2800



Inverter Specifications





		EF1000iS	EF2000iS	EF2400iS	EF2800i
GENERATOR	Type	Inverter	Inverter	Inverter	Inverter
	Maximum AC Output (Watts)	1000	2000	2400	2800
	Rated AC Output (Watts)	900	1600	2000	2500
	Total Ampere (Rated/Maximum)	7.5 / 8.3 @ 120V	13.3 / 16.7 @ 120V	16.7 / 20 @ 120V	20.8 / 23.3 @ 120V
	AC Voltage (V) / Frequency (Hz)	120V / 60Hz	120V / 60Hz	120V / 60Hz	120V / 60Hz
	Voltage Regulator	Inverter (PWM) [§]	Inverter (PWM) [§]	Inverter (PWM) [§]	Inverter (PWM) [§]
	Neutral	Floating	Bonded	Bonded	Floating
	DC Output (Volts/Amp)^{***}	12V / 6.5A	12V / 6.5A	12V / 6.5A	12V / 8.3A
AC Receptacle*	 15A125V	 15A125V	 20A125V	  15A125V 30A125V	
ENGINE	Type	MZ50: 4-Stroke, OHV (forced air-cooled)	MZ80V: 4-Stroke, OHV (forced air-cooled)	MZ175: 4-Stroke, OHV (forced air-cooled)	MZ175: 4-Stroke, OHV (forced air-cooled)
	Displacement	50cc / single cylinder	79cc / single cylinder	171cc / single cylinder	171cc / single cylinder
	Maximum Horsepower	2.2	3.1	5.5	5.5
	Fuel	Gasoline	Gasoline	Gasoline	Gasoline
	Starting System	Recoil (auto decompressor)	Recoil (auto decompressor)	Recoil (auto decompressor)	Recoil (auto decompressor)
GENERAL	L x W x H mm (in)	450 x 240 x 380 (17.7 x 9.4 x 14.9)	490 x 280 x 455 (19.3 x 11 x 17.9)	527 x 419 x 461 (20.7 x 16.6 x 18.1)	487 x 395 x 425 (19.2 x 15.5 x 16.7)
	Dry Weight	12.7kg / (28 lb)	20kg / (44 lb)	32kg / (70.5 lb)	29kg / 63.9 lb
	Fuel Tank Capacity	2.5L	4.2	6L	11.2L
	Operating Hours (@ 1/4 load)	12.0 hrs **	10.5 hrs**	8.6 hrs	17.0 hrs **
	Operating Hours (@ rated load)	4.3 hrs **	4.2 hrs**	5.0 hrs	7.7 hrs **
	Noise Level (@ 7 metres)	47-57 dBA **	51.5~61 dBA**	54~58 dBA	60~67 dBA **
	Battery Type	-	-	-	-
TECHNICAL FEATURES	Non-fuse Circuit Breaker System	●	●	●	●
	Dual Voltage				
	Auto Choke				
	Smart Throttle	●	●	●	●
	Economy Idle Control System	●	●		●
	Pilot Lamps (AC Output)	●	●	●	●
	Warning Lamps (Overload/Low Oil)	●	●	●	●
	Power Meter				
	Hour Meter				
	Oil Watch Warning System	●	●	●	●
	Fuel Level Gauge		●	●	●
	Silent Type (Enclosed Design)	●	●	●	
	Spark Arrestor (Muffler)	●	●	●	●
(YBT) Boost Technology					
Voltage Fluctuation	Instantaneous	Less than 20%	Less than 20%	Less than 20%	Less than 20%
	Setting	Less than 3%	Less than 3%	Less than 3%	Less than 3%
	Setting Time	Less than 2 sec.	Less than 2 sec.	Less than 2 sec.	Less than 2 sec.
	Frequency Stability	Within +/- 0.1 Hz	Within +/- 0.1 Hz	Within +/- 0.1 Hz	Within +/- 0.1 Hz
Accessories	Transportation Wheel Kit	-	-	Optional	-
	Remote Control Starter	-	-	-	-
	DC Charging Cable	Standard	Standard	Standard	Standard
Warranty	Non-Commercial[†]	2 years limited	2 years limited	2 years limited	2 years limited

* Refer to generator output specification for maximum available amperage

** Economy control system : ON



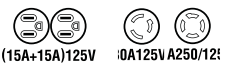
*** Refer to owner's manual for proper use of DC output

§ Pulse Width Modulation

EF3000iSE	EF3000iSEB	EF4500iSE	EF6300iSDE
Inverter	Inverter (with boost technology)	Inverter	Inverter
3000	3000 (3200 with boost)	4500	6300
2800	2800	4000	5500
23.3 / 25 @ 120V	23.3 / 25 @ 120V	33.3 / 37.5 @ 120V	45.8 / 52.5 @ 120V
–	–	–	22.9 / 23.6 @ 240V
120V / 60Hz	120V / 60Hz	120V / 60Hz	120~240V / 60Hz
Inverter (PWM) [§]	Inverter (PWM) [§]	Inverter (PWM) [§]	Inverter (PWM) [§]
Floating	Floating	Bonded	Bonded
12V / 8.3A	12V / 8.3A	–	–
 (15A+15A)125V 30A125V	 (15A+15A)125V 30A125V	 (15A+15A)125V 30A125V	 15A+15A)125V 30A/125V25I
MZ175: 4-Stroke, OHV (forced air-cooled)	MZ175: 4-Stroke, OHV (forced air-cooled)	MZ360: 4-Stroke, OHV (forced air-cooled)	MZ360: 4-Stroke, OHV (forced air-cooled)
171cc / single cylinder	171cc / single cylinder	357cc / single cylinder	357cc / single cylinder
5.5	5.5	12	12
Gasoline	Gasoline	Gasoline	Gasoline
Electric / recoil (auto decompressor)	Electric / recoil (auto decompressor)	Electric	Electric
680 x 445 x 555 (26.7 x 17.5 x 21.9)	680 x 445 x 555 (26.7 x 17.5 x 21.9)	780 x 616 x 692 (30.7 x 24.3 x 27.2)	780 x 616 x 692 (30.7 x 24.3 x 27.2)
67kg / 147.7 lb	69kg / 152.1 lb	88kg / 194 lb	91kg / 200.6 lb
13L	13L	17L	17L
20.5 hrs **	20.5 hrs **	15.2 hrs	13.3 hrs **
8.0 hrs **	8.0 hrs **	7.4 hrs	5.1 hrs **
51~57 dBA **	51~57 dBA **	58~60 dBA	58~64 dBA **
STD. 12V-10Ah (YXT12-BS)	STD. 12V-10Ah (YXT12-BS)	STD. 12V-18Ah (YXT20L-BS)	STD. 12V-18Ah (YXT20L-BS)
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
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●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
Less than 20%	Less than 20%	Less than 20%	Less than 20%
Less than 3%	Less than 3%	Less than 3%	Less than 3%
Less than 2 sec.	Less than 2 sec.	Less than 2 sec.	Less than 2 sec.
Within +/- 0.1 Hz	Within +/- 0.1 Hz	Within +/- 0.1 Hz	Within +/- 0.1 Hz
4 wheel Standard	4 wheel Standard	4 wheel Standard	4 wheel Standard
Optional (wireless)	Optional (wireless)	Optional (wire type)	Optional (wire type)
Standard	Standard	N/A	N/A
2 years limited	2 years limited	2 years limited	2 years limited

[†] 2-year warranty on all generators, for non-commercial use only. See dealer for commercial warranty coverage. Water pumps receive one-year warranty (non-commercial use). See dealer for details. Due to Yamaha's ongoing commitment to product improvement, we reserve the right to change specifications without notice.

Premium Specifications

	EF2600	EF4000D	EF5200DE	
GENERATOR	Type	Brushless synchronous, AC Generator	Brushless synchronous, AC Generator with Damper Winding	Brushless synchronous, AC Generator
	Maximum AC Output (Watts)	2600	4000	5200
	Rated AC Output (Watts)	2300	3500	4500
	Total Ampere (Rated/Maximum)	19.2 / 21.7 @ 120V –	29.2 / 33.3 @ 120V 14.6 / 16.7 @ 240V	37.5 / 43.3 @ 120V 18.8 / 21.7 @ 240V
	AC Voltage (V) / Frequency (Hz)	120V / 60Hz	120~240V / 60Hz	120~240V / 60Hz
	Voltage Regulator	Condenser	Condenser	Automatic (AVR)
	Neutral	Floating	Bonded	Bonded
	Battery Type (not included)	–	–	12V-26Ah or larger
	AC Receptacle	 (15A+15A)125V 20A125V	 (15A+15A)125V 30A125V	 (15A+15A)125V 10A125V A250/125
ENGINE	Type	MZ175: 4-stroke OHV forced air-cooled Single Cylinder	MZ360: 4-Stroke OHV forced air-cooled Single Cylinder	MZ360: 4-Stroke OHV forced air-cooled Single Cylinder
	Displacement (cm³)	171	357	357
	Maximum Horsepower	5.5	12	12
	Fuel	Gasoline	Gasoline	Gasoline
	Starting System	– Recoil (with auto decompressor)	– Recoil (with auto decompressor)	Electric Recoil (with auto decompressor)
GENERAL	L x W x H *with battery tray mm (in)	510 x 415 x 425 (20.1 x 16.3 x 16.7)	580 x 510 x 527 (22.8 x 20.1 x 20.7)	*894 x 520 x 527 *(35.2 x 20.5 x 20.7)
	Dry Weight	41kg / 90.3 lb	79kg / 174.2 lb	90kg / 198.4 lb
	Fuel Tank Capacity	12L	25L	25L
	Operating Hours (@ rated load)	9 hrs	9.4 hrs	8.3 hrs
	Noise Level (@ 7 metres)	60 dBA	73 dBA	74 dBA
TECHNICAL FEATURES	Non-fuse Circuit Breaker System	●	●	●
	Economy Idle Control System		●	●
	Auto Choke System			●
	Dual Voltage		●	●
	Pilot Lamp		●	
	Oil Watch Warning System	●	●	●
	Fuel Level Gauge	●	●	●
Spark Arrestor (Muffler)	●	●	●	




Accessories

Transportation Wheel Kit	–	Optional	Optional
Remote Control Starter	–	–	Optional (wire type)

Warranty

Non-Commercial†	2 years limited	2 years limited	2 years limited
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† 2-year warranty on all generators, for non-commercial use only. See dealer for commercial warranty coverage. Water pumps receive one-year warranty (non-commercial use). See dealer for details.

EF6200PDEX	EF6600DE	EF12000DEX
Brushless synchronous, AC Generator	Brushless synchronous, AC Generator	Brush synchronous, AC Generator
6200	6600	12000
5500	6000	9500
15.8 / 51.7 @ 120V 22.9 / 25.8 @ 240V	50.0 / 55.0 @ 120V 25.0 / 27.5 @ 240V	100.0 / 79.2 @ 120V 39.6 / 50.0 @ 240V
120~240V / 60Hz	120~240V / 60Hz	120~240V / 60Hz
Automatic (AVR)	Automatic (AVR)	Automatic (AVR)
Bonded	Bonded	Bonded
12V-26Ah or larger	12V-26Ah or larger	12V-32Ah or larger
		
MZ360: 4-Stroke OHV forced air-cooled Single Cylinder	MZ360: 4-Stroke OHV forced air-cooled Single Cylinder	V-twin: 4-Stroke OHV forced air-cooled Twin Cylinder
357	357	653
8.8	12	22
Propane (LPG)	Gasoline	Gasoline
Electric –	Electric Recoil (with auto decompressor)	Electric –
*894 x 520 x 510 *(35.2 x 20.5 x 20.1)	*894 x 520 x 527 *(35.2 x 20.5 x 20.7)	826 x 758 x 856 (32.5 x 29.8 x 33.7)
86kg / 189.6 lb	90kg / 198.4 lb	149kg / 328.5 lb
–	25L	44L
1.92kg (4.23 lb) per hr	7.4 hrs	8.2 hrs
74 dBA	74 dBA	77 dBA
•	•	•
	•	•
•	•	•
•	•	•
		•
•	•	•
	•	•
•	•	•
Optional	Optional	Standard
Optional (wire type)	Optional (wire type)	–
2 years limited	2 years limited	2 years limited

Due to Yamaha's ongoing commitment to product improvement, we reserve the right to change specifications without notice.