

ELEMAX

Power of Next Generation



**Proudly
Made in Japan**



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SAWAFUJI GENERATORS

EX Series

Gasoline Generators

SPEC. 5P

SH3200EX



10% to 25% Increased Output Power Compared to DX series

New Designed Control Panel

SH7600EX



Large Fuel Tank

LINE UP SH3200EX/SH3900EX/SH4600EX
SH5300EX/SH6500EX(S)/SH7600EX(S)

SHX Series

Portable Gasoline Generators

SPEC. 5P

SHX1000



Long Operating Hours

Portability

SHX2000



FEATURES

-Honda OHV 4-stroke Engine

Provides high power, outstanding fuel economy. Fuel consumption is nearly 30% less than comparable side-valve engines.

-Automatic Voltage Regulator(AVR)

ELEMAX's AVR smooths power output fluctuations to enable operation of sensitive electronic equipment.

-Large Fuel Tank

17 liter fuel tank for SH3200EX, SH3900EX and newly developed 28 liter fuel tank for upper model realize exceptionally long operating hours.

-10% to 25% Increased Output Power Compared to DX series¹⁾

Rated output power has been increased from 10 to 25% compared to DX series. This power up is provided by newly designed Sawafuji square core alternator.

-New Designed Control Panel²⁾

Not only new attractive outlook design, safety and water resistance are also improved.

-Improved Frame Design

Welded upper bar and widen diameter of the frame pipe are significantly improved the outlook image and protect the machine from rough handling and damage.



FEATURES

-Advanced Technology³⁾

Newly designed Multi-pole Alternator and high speed engine dramatically reduced the size and weight.

-Honda 4-stroke Engine

Honda multi purpose engine has been industry standard for reliability and durability in the world. Also guaranteed with just a light pull on the recoil starter.

-Long Operating Hours

Large fuel tank allows efficient work without refueling.

-Portability

These models are especially easy to carry.

-Lower Sound Level(Silent and Power mode)

This unique designed silent mode for SHX1000 provides extremely lower sound level with 3/4 load. Just in case to take full load, only to change to Power mode.

-Compact & Light Weight

The SHX1000 weighs only 13.6kg, The SHX2000 weighs only 21kg, less than half of the weight of similar capacity conventional generator.



*Photo: General purpose engine

Lower Sound Level(Silent and Power mode)

Rated Power 1.5kW Dry Weight 21kg (K.I.L. Type) Consumption 7.0L (1/4 load)

Rated Power 900W Dry Weight 13.6kg (K.I.L. Type) Consumption 8.6L (1/4 load)

HEAVY DUTY Type

Diesel Generators

SHT25D

High Performance Diesel Engine

Large Capacity Fuel Tank



Rated Power: 20kva (20000VA)
22kva (22000VA)
Fuel Tank Capacity: 72L

Brushless Alternator STAMFORD BC184E

FEATURES

-High Performance Diesel Engine^{*1}

Kubota V2203
Vertical, water-cooled, 4-cycle diesel engine
The V2203 diesel engines ensure greater power, more efficient combustion, and cleaner emissions.

-Brushless Alternator STAMFORD BC184E^{*2}

Advanced brushless alternator and automatic voltage regulator (AVR) delivers high quality electricity.
Voltage Regulation: $\pm 1\%$ Waveform Distortion: below 3%

-Control Panel^{*3}

Easy to see and easy operation. Standard accessories: 4-meters (Volt, Ampere, Frequency, Hour), Warning lights, Key switch, Circuit breaker, Output terminal (3-phase, 4-wire).

-Automatic Air Bleeding

This system reduces troublesome maintenance procedures by automatically removing air from the fuel line.

-Safety System

Emergency unit detects abnormally low oil pressure or high coolant temperature and stops engine automatically to prevent damage.

-Large Capacity Fuel Tank

The larger capacity fuel tank enables longer periods of continuous operation.

-One Side Maintenance

Oil, fuel, water, and filters are all located on one side for easy maintenance.

-ATS (AMF) Terminals

ATS terminals are standard equipment.



SH15D



Rated Power: 12kva (12000VA)
13kva (13000VA)
Fuel Tank Capacity: 38L

LINE UP SH15D/SHT15D/SHT17D

FEATURES

-Powerful Diesel Engine

Honda Liquid-Cooled 4-Stroke, 3-Cylinder



-Low Noise and Vibration

-Compact and Light Weight

-4-Wheel Portability is Standard

SHT11500



Rated Power: 9.5kva (9500VA)
10.5kva (10500VA)
Fuel Tank Capacity: 26L

LINE UP SH11000/SHT11500

FEATURES

-Powerful Gasoline Engine

Honda 20HP Air-Cooled OHV V-Twin Engine



-Control Panel^{*4}

Easy to see and easy operation.
Standard features:
V-meter, Hour-meter, Pilot Lamp



Single Phase: 200V/100V
Three Phase: 200V/100V

Automatic Voltage Regulator (AVR)

ELEMAX's AVR smooths power output fluctuations to enable operation of sensitive electronic equipment.

-4-Wheel Portability is Standard

STANDARD Series

Gasoline Generators

SPEC. 6P

SH2900 - SH6000



Rated Power: 2.0kva (2000VA)
2.3kva (2300VA)
Fuel Tank Capacity: 3.6L

LINE UP SH1900/SH2900/SH4000/SH5000/SH6000

FEATURES

-Honda OHV 4-stroke Engine

-Saddle type Control Box with 2 AC Outlets

-Compact, Light Weight and Solid

WELDER Generator

Gasoline Welder Generator

SPEC. 6P

SHW190



Welder (DC): 140A/26V
Generator: 2.0kva (2000VA)
Fuel Tank Capacity: 17L

FEATURES

-Honda OHV 4-stroke Engine

-190amps Maximum DC Power for Welding

-17 liter Large Capacity Fuel Tank with Fuel Gauge

-Compact and Light Weight

-Stable-Arc 6-Phase Half Wave Current for Welding

ATS Generator

Gasoline Generator

SPEC. 6P

SH7000ATS



Rated Power: 5.0kva (5000VA)
5.5kva (5500VA)
Fuel Tank Capacity: 17L

FEATURES

-Portable Generator with ATS

-Generators Automatically Start to Operate in case of an Electricity Failure. (Black out) (Quick Starts)

-Automatic Battery Charge System (Battery Maintenance Free)

-Protection System Against Over Load and Over Heat.

-Can be Used for Standby and Portable Generator.

SPECIFICATIONS

EX Series

Gasoline Generators								FEATURES 1-2P	
Models	SH3200EX SH3900EX SH4600EX SH5300EX SH6500EX SH7600EX								
Type	R-type: 220V(50Hz), S-type: 220V(60Hz), D-type: 110/220V(60Hz), LD-type: 120/240V(60Hz)								
Generator	Frequency (Hz)	50, 60							
	Type	Self-Exciting, 2-pole, Field Rotating Type							
	Voltage Regulation System	AVR							
	Phase	Single							
	AC Output	Rated Power (KVA)	50Hz	2.2	2.8	3.2	3.8	5.0	5.6
		60Hz	2.5	3.2	3.8	4.4	5.6	6.5	
		Maximum Power(KVA)	50Hz	2.6	3.3	4.0	4.7	5.8	6.5
Engine	AC Output	60Hz	3.2	3.9	4.6	5.3	6.5	7.6	
		Rated Voltage (V)	220(R,S-type), 110/220(D-type), 120/240(LD-type)						
		DC Output (V-A)	12V-8.3A						
	Rated Power Factor (cosφ)	1.0							
	Maker	HONDA							
	Models	GX160	GX200	GX240	GX270	GX340	GX390		
Others	Displacement (CC)	163	196	242	270	337	389		
	Maximum Output (PS)	3,600rpm	5.5	6.5	8	9	11	13	
	Ignition System	Transistor							
	Oil Alert System	YES							
	Starting System	Recoil							
	L X W X H (mm)	623 X 435 X 491	494		708 X 548 X 493	96			
Others	Dry Weight (kg)	44	46	63	66	75	78		
	Fuel Tank Capacity (liters)		17		28				
	Sound Level [dB(A)/7m]	50Hz	64	65	69	70	71	73	
		60Hz	68	69	71	72	75	76	
	Continuous Operating Hours (hr)	50Hz	14	10	14	12	10	8.5	
		60Hz	12	8.8	11	10	7.9	7.2	

SHX Series

Portable Gasoline Generators								FEATURES 1-2P	
Models	SHX1000 SHX2000								
Type	R G S L R G S L								
Generator	Frequency (Hz)	50 60							
	Engine Speed (rpm)	5800/4100(Power Mode/Silent Mode)							
	Waveform	Square-Wave							
	AC Output	Maximum Power (W)	1000 1900 1700 1900						
		Rated Power (W)	900 1500						
	Rated Voltage (V)	220	230	220	120	220	230	220	120
Engine	DC Output	Only for Charging 12V Automotive Batteries.							
		Maximum Charging Output = 8.3A/24(Power Mode/Silent Mode)							
		Maximum charging output = 8.3A							
	Insulation Class	B							
	Maker	HONDA							
	Models	GXH50 GX100							
Others	Type	Air Cooled OHV 4-stroke Gasoline							
	Displacement (CC)	465 X 265 X 380							
	L X W X H (mm)	13.6 14.0 13.6 21.0 22.0 21.0 21.0							
	Dry Weight (kg)	3.8 7.7							
	Fuel Tank Capacity (liters)	58(1/2 load) 63(1/2 load)							
	Sound Level [dB(A)/7m]	89(3/4 load) 93(3/4 load)							
Others	Continuous Operating Hours (hr)	5.5(rated load) 8.6(1/2 load)							
	Pilot Lamp	LED							
	Power Indicator	LED							
	Oil Alert System	YES							
	Engine Stop	Interlocking with Fuel Cock							
	DC	Thermal Type Circuit Breaker							

HEAVY DUTY Type

Diesel Generators								FEATURES 3-4P	
Models	SH15D SHT15D SHT25D								
Type	R S R S R S								
Generator	Frequency (Hz)	50 60 50 60 50 60							
	Type	Self-exciting, 2-pole, Field Rotating Type							
	Phase	Single Three							
	Voltage Regulation System	AVR							
	AC Output	Rated Power(KVA)	50Hz	12	13	15	20	22	
		60Hz	13	-	-	-	-	-	
Engine	Rated Voltage (V)	220	Single Phase : 220 Three Phase : 380	Single Phase : 220 Three Phase : 380	Single Phase : 220 Three Phase : 380	Single Phase : 220 Three Phase : 380	Single Phase : 220 Three Phase : 380	Single Phase : 220 Three Phase : 380	
	Rated Power Factor (cosφ)	1.0	0.8	0.8	0.8	0.8	0.8	0.8	
	Maker	HONDA							
	Models	GD1250 V2203-B							
	Displacement (CC)	1235 2197							
	Maximum Horse Power (PS)	26(3,600rpm) 32.5(1,800rpm)							
Others	Starting System	Electric Starter							
	L X W X H (mm)	1440 X 630 X 815 1660 X 690 X 900							
	Dry Weight (kg)	341 540							
	Fuel Tank Capacity (liters)	38 72							
	Sound Level [dB(A)/7m]	50Hz	69	-	69	-	66	-	
		60Hz	-	72	-	72	-	71	
Others	Continuous Operating Hours (hr)	50Hz	7.9	-	7.9	-	17.6	-	
		60Hz	-	6.4	-	6.4	-	15.2	
	Volt Meter	YES							
	Ampere Meter	NO							
	Frequency Meter	NO							
	Hour Meter	NO							
Others	Warning Lights	Indicator lights (4-conditions)							
	Output	Plug Socket X 2 Terminal							
	ATS Terminals	NO							

STANDARD Series

Gasoline Generators										FEATURES		3P							
Models		SH1900									SH2900		SH4000		SH5000		SH6000		
Type		R-type: 220V(50Hz), S-type: 220V(60Hz), L-type: 120V(60Hz)																	
Generator		Frequency (Hz)		50, 60															
		Type		Self-Exciting, 2-pole, Field Rotating Type															
		Voltage Regulation System		AVR															
		Phase		Single															
		AC Output	Rated Power (KVA)	50Hz	1.3	2.0	2.7	3.2	4.0										
				60Hz	1.5	2.3	3.0	3.6	4.5										
			Maximum Power (KVA)	50Hz	1.6	2.4	3.7	4.5	5.5										
		60Hz	1.9	2.9	4.1	5.0	6.0												
		Rated Voltage (V)		220(R,S-type), 120(L-type)															
		Rated Power Factor (cosφ)		1.0															
Engine		Maker		HONDA															
		Models		GX120		GX160		GX240		GX270		GX340							
		Displacement (CC)		118		163		242		270		337							
		Maximum Output (PS)		3,600rpm		4		5.5		8		9		11					
		Ignition System		Transistor															
		Oil Alert System		YES															
		Starting System		Recoil															
Others		L X W X H (mm)		560 X 422 X 422				605 X 495 X 490				655 X 511 X 490							
		Dry Weight (kg)		29		34		51		54		65							
		Fuel Tank Capacity (liters)		2.5		3.6		6.0		6.0		6.5							
		Sound Level [dB(A)/7m]	50Hz	69		70		72		75		73							
			60Hz	71		72		74		75		76							
		Continuous Operating Hours (hr)	50Hz	3.1		3.7		3.6		3.3		2.8							
			60Hz	2.1		2.5		3.1		2.7		2.3							

WELDER Generator

Gasoline Welder Generator					FEATURES 3-4P					
Model		SHW190								
Type		R S L								
Generator	Frequency (Hz)	50 60								
	Type	2-pole, Field Rotating Type								
	Phase	Single								
	AC Output	Rated Power (KVA)	50Hz	2.0	3.0	4.0				
		60Hz								
Welder(DC)	Rated Voltage (V)	220 110								
	Rated Power Factor (cosφ)	1.0								
	Type	2-pole, Field Rotating Type								
	Rectifier Type	Six Phase Half Wave Rectifier								
	Rated Output	3,600rpm	140A 26V							
	Current Control Range (A)		50 - 190							
Engine	Rated Duty Cycle (%)	50								
	Welding Rod	2.6 to 5.0 mm dia.								
	Maker	HONDA								
	Model	GX390								
	Displacement (CC)	389								
	Maximum Output (PS)	3,600rpm	13							
Others	Ignition System	Transistor								
	Oil Alert System	YES								
	Starting System	Recoil (OP-Electric)								
	L X W X H (mm)	679 X 511 X 490								
	Dry Weight (kg)	88								
	Fuel Tank Capacity (liters)	17								
Generator	Sound Level (dB(A)/7m)	50Hz	73							
		60Hz	75							
		50Hz	6.2							
		60Hz	5.2							
	Continuous Operating Hours (hr)									

Gasoline Generator					FEATURES 4P					
Model		SH7000ATS								
Type		RAVS SAVA								
Generator	Frequency (Hz)	50 60								
	Type	Self-Exciting, 2-pole, Field Rotating Type								
	Voltage Regulation System					AVR				
	AC Output	Phase	Single							
		Rated Power (KVA)	50Hz	5.0	5.5	6.1				
Engine	Maximum Power (KVA)	60Hz	5.5	6.1	7.2					
		60Hz	7.2	7.7	8.3					
	Rated Voltage (V)	220								
	DC Output (V-A)	12V-8.3A								
	Rated Power Factor (cosφ)	1.0								
	Others	Maker	HONDA							
Model		GX390								
Displacement (CC)		389								
Maximum Output (PS)		3,600rpm	13							
Ignition System		Transistor								
Oil Alert System		YES								
Starting System	Electric Starter	YES								
	L X W X H (mm)	679 X 511 X 496								
	Dry Weight (kg)	81								
	Fuel Tank Capacity (liters)	17								
	Sound Level (dB(A)/7m)	50Hz	73							
Continuous Operating Hours (hr)	60Hz	75								
	50Hz	6.2								
	60Hz	5.2								

Specifications are subject to change without notice.