



ELEMAX

POWER OF NEXT GENERATION



Proudly Made in Japan



Gasoline Generators



EX Series
(2.2kVA - 7.6kVA)

Inverter Diesel Generators



INVERTER Type
(7.5 - 10.2kVA)

Portable Gasoline Generators



SHX Series
(900W - 1900W)

Diesel Generators



Sound-proof Type
(6.0 - 8.8kVA)

Diesel Generators



HEAVY DUTY Type
(8.5kVA - 22kVA)

Gasoline Generators



STANDARD Series
(1.3-6.0kVA)

Gasoline Generators



HEAVY DUTY Type
(8.5kVA - 22kVA)

Gasoline Welder Generator



WELDER Generator

EX Series

(2.2 kVA - 7.6 kVA)

ELEMAX

SH3200EX



Rated Power

2.2KVA
(50Hz)

2.5KVA
(60Hz)

Fuel Tank
Capacity

17L

SPEC

SH3900EX



Rated Power

2.8KVA
(50Hz)

3.2KVA
(60Hz)

Fuel Tank
Capacity

17L

SPEC

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ATOORSANAT

SH4600EX



Rated Power

3.2KVA
(50Hz)

3.8KVA
(60Hz)

Fuel Tank
Capacity

28L

SPEC

SH5300EX



Rated Power

3.8KVA
(50Hz)

4.4KVA
(60Hz)

Fuel Tank
Capacity

28L

SPEC

EX Series

(2.2 kVA - 7.6 kVA)

ELEMAX

SH6500EX



Rated Power

5.0KVA
(50Hz)

5.6KVA
(60Hz)

Fuel Tank
Capacity
28L

SH7600EX



Rated Power

5.6KVA
(50Hz)

6.5KVA
(60Hz)

Fuel Tank
Capacity
28L

SPEC

SPEC

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 series *1

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 Panel *2

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.

EX Series

(2.2 kVA - 7.6 kVA)

ELEMAX

Models			SH3200EX	SH3900EX	
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
			60Hz	2.5	3.2
	Maximum Power (KVA)	50Hz	2.6	3.3	
		60Hz	3.2	3.9	
	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			
Engine	Maker		HONDA		
	Models		GX160	GX200	
	Displacement (CC)		163	196	
	Net Power (kW)	3,600rpm	3.6	4.1	
	Ignition System		Transistor		
	Oil Alert System		YES		
	Starting System		Recoil		
Others	L x W x H (mm)		623 x 435 x 491		
	Dry Weight (kg)		44	46	
	Fuel Tank Capacity (liters)		17		
	Sound Level [dB(A)/7m]	50Hz	64	65	
		60Hz	68	69	
	Continuous Operating Hours (hr)	50Hz	14	10	
60Hz		12	8.8		

EX Series

(2.2 kVA - 7.6 kVA)

ELEMAX

Models			SH4600EX	SH5300EX	
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	3.2	3.8
			60Hz	3.8	4.4
		Maximum Power (KVA)	50Hz	4.0	4.7
			60Hz	4.6	5.3
	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			
Engine	Maker		HONDA		
	Models		GX240	GX270	
	Displacement (CC)		270	270	
	Net Power (kW)	3,600rpm	5.9	6.3	
	Ignition System		Transistor		
	Oil Alert System		YES		
	Starting System		Recoil		
	Others	L x W x H (mm)		708 x 548 x 493	
Dry Weight (kg)		63	68		
Fuel Tank Capacity (liters)		28			
Sound Level [dB(A)/7m]		50Hz	63	70	
		60Hz	71	72	
Continuous Operating Hours (hr)		50Hz	14	12	
		60Hz	11	10	

EX Series

(2.2 kVA - 7.6 kVA)

ELEMAX

Models			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	5.0	5.6
		60Hz	5.6	6.5
	Maximum Power (KVA)	50Hz	5.8	6.5
		60Hz	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		
Engine	Maker		HONDA	
	Models		GX340	GX390
	Displacement (CC)		389	389
	Net Power (kW)	3,600rpm	8.0	8.7
	Ignition System		Transistor	
	Oil Alert System		YES	
	Starting System		Recoil (OP; Electric)	
	Others			
L x W x H (mm)		708 x 548 x 493		
Dry Weight (kg)		75	78	
Fuel Tank Capacity (liters)		28		
Sound Level [dB(A)/7m]	50Hz	71	73	
	60Hz	75	76	
Continuous Operating Hours (hr)	50Hz	10	8.5	
	60Hz	7.9	7.2	

SHX1000



SPEC

SHX2000



SPEC

FEATURES

-Advanced Technology ^{*3}

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)

Its unique designed for SHX1000 silent mode 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 weight only 13.6kg, The SHX2000 weighs only 21kg, less than half of the weight of similar capacity conventional generator.



*Photo:
General
purpose
engine

Models		SHX1000				
Type		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			
		Rated Power (W)	900			
		Rated Voltage (V)	220	230	220	120
	DC Output		Only for Charging 12V Automotive Batteries.			
			Maximum Charging Output = 8.3/4.2A (Power Mode/Silent Mode)			
Insulation Class		B				
Engine	Maker	HONDA				
	Model	GXH50				
	Type	Air Cooled OHV 4-stroke Gasoline				
	Displacement (CC)	49.4				
Others	L x W x H (mm)	465 x 265 x 380				
	Dry Weight (kg)	13.6	14.0	13.6	13.6	
	Fuel Tank Capacity (liters)	3.8				
	Sound Level	[dB(A)/7m]	58 (1/2 load)			
		(dB Lwa)	89 (3/4 load)			
	Pilot Lamp	LED				
	Power Indicator	LED				
	Oil Alert System	YES				
	Engine Stop	Interlocking with Fuel Cock				
	AC	Output	Plug Socket x 1		Plug Socket x 2	
		Protective Device	Control Circuit			
	DC	Output	Terminal			
		Protective Device	Thermal Type Circuit Breaker			

Models		SHX2000				
Type		R	G	S	L	
Generator	Frequency (Hz)	50		60		
	Engine Speed (rpm)	4500				
	Waveform	Square-Wave				
	AC Output	Maximum Power (W)	1900	1700	1900	
		Rated Power (W)	1500			
		Rated Voltage (V)	220	230	220	120
	DC Output		Only for Charging 12V Automotive Batteries.			
			Maximum charging output = 8.3A			
Insulation Class		B				
Engine	Maker	HONDA				
	Model	GX100				
	Type	Air Cooled OHC 4-stroke Gasoline				
	Displacement (CC)	98.5				
Others	L x W x H (mm)	560 x 340 x 415				
	Dry Weight (kg)	21.0	22.0	21.0	21.0	
	Fuel Tank Capacity (liters)	7.7				
	Sound Level	[dB(A)/7m]	63 (1/2 load)			
		(dB Lwa)	93 (3/4 load)			
	Pilot Lamp	LED				
	Power Indicator	LED				
	Oil Alert System	YES				
	Engine Stop	Rocker Switch				
	AC	Output	Plug Socket x 2			
		Protective Device	Control Circuit			
	DC	Output	Terminal			
		Protective Device	Thermal Type Circuit Breaker			

SH15D



Rated Power		Fuel Tank Capacity
12kVA (50Hz)	13kVA (50Hz)	53L

LINE UP SH15D / SHT15D / SHT17D

SPEC

FEATURES

-Powerful Diesel Engine

KUBOTA D1005 Water-Cooled 4-Stroke,
3-Cylinder



*Photo:
General purpose engine

-Large Capacity Fuel Tank

-Low Noise and Vibration

-Compact and Light Weight

-ATS(AMF) Terminals

Heavy Duty Type

(8.5 kVA - 22 kVA)

ELEMAX

SHT25D



LINE UP SH20D / SHT25D

SPEC

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.



*1

-Brushless Alternator STAMFORD PI144D

Advanced brushless alternator and automatic voltage regulator (AVR) delivers high quality electricity.

Voltage Regulation: $\pm 1\%$ Waveform Distortion: below 3%



*2

-Control Panel *2

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.

Heavy Duty Type

(8.5 kVA - 22kVA)

ELEMAX

SH11000



LINE UP SH11000 / SHT11500

SPEC

FEATURES

-Powerful Gasoline Engine

Honda GX630 15.1kW Air-Cooled OHV V-Twin Engine.

-Control Panel *4

Easy to see and easy operation.

Standard features: V-meter, Hour-meter, Pilot Lamp.



*4

-Automatic Voltage Regulator(AVR)

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

-4-Wheel Portability is Standard

Heavy Duty Type

(8.5 kVA - 22 kVA)

ELEMAX

SH13000 / SHT15000



LINE UP SH13000 / SHT15000

SPEC

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ATOORSANAT

FEATURES

-Powerful Gasoline Engine

YAMAHA EH72 K2101 17.2kW Air-Cooled OHV V-Twin Engine

-Control Panel *5

Easy to see and easy operation.

Standard features: V-meter, Hour-meter, Pilot Lamp

-Automatic Voltage Regulator(AVR)

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

-4-Wheel portability is standard



*5

Heavy Duty Type

(8.5 kVA-22 kVA)

ELEMAX

Models			SH11000		SHT11500		
Type			R	LD	R	S	
Generator	Frequency (Hz)		50	60	50	60	
	Type		2-pole, Field Rotating Type				
	Voltage Regulation System		AVR				
	Phase		Single		Three		
	AC Output	Rated Power (kVA)	50Hz	8.5	-	10.0	-
			60Hz	-	9.5	-	11.5
	Maximum Power (kVA)	50Hz	10.0	-	11.5	-	
		60Hz	-	11.0	-	13.0	
Rated Voltage (V)		220	120/240	220/380			
Rated Power Factor (cosφ)		1.0		0.8			
Engine	Maker		HONDA				
	Model		GX630				
	Displacement (CC)		688				
	Net Power (kW)		15.1 (3,600rpm)				
	Ignition System		Transistor				
	Oil Alert System		YES				
	Starting System		Electric Starter				
Others	L x W x H (mm)		924 x 665 x 636 (804 with wheels)				
	Dry Weight (kg)	without wheel	158				
		with wheel	165				
	Fuel Tank Capacity (liters)		38				
	Sound Level [dB(A)/7m]	50Hz	74				
		60Hz					
	Continuous Operating Hours (hr)	50Hz	7.0	-	7.0	-	
		60Hz	-	6.2	-	6.2	
Cooling System		Forced Air					
Engine Oil Refill Capacity (liters)		1.8 (with replace a filter) / 1.5 (without replace a filter)					

Heavy Duty Type

(8.5 kVA - 22 kVA)

ELEMAX

Models			SH13000		SHT15000	
Type			R	LD	R	
Generator	Frequency (Hz)		50	60	50	
	Type		2-pole, Field Rotating Type			
	Voltage Regulation System		AVR			
	Phase		Single		Three	
	AC Output	Rated Power (KVA)	50Hz	10.0	-	12.0
			60Hz	-	11.8	-
	Maximum Power (KVA)	50Hz	11.0	-	13.2	
		60Hz	-	13.0	-	
	Rated Voltage (V)		220	120/240	220/380	
	Rated Ampere (A)		45.5	49.2 x 2 / 49.2	18.2	
Rated Power Factor (cosφ)		1.0		0.8		
Engine	Maker		YAMAHA			
	Model		EH72 K2101			
	Type		Air-Cooled, 4-Stroke, V-Twin Cylinder Horizontal P.T.O. Shaft, OHV Gasoline Engine			
	Displacement (CC)		720			
	Net Power (kW)		17.2 (3,600rpm)			
	Ignition System		Flywheel magnet (solid state)			
	Starting System		Electric Starter			
	Engine Oil Refill Capacity (ℓ)		1.55 (inclusive of oil filter's capacity)			
	Lubrication System		Full Pressure with Trochoid pump, Oil cooler and Spin-on, full-flow oil filter			
	Cooling System		Forced Air			
Others	L x W x H (mm)		924 x 665 x 636 (804 with wheels)			
	Dry Weight (kg)	without wheel	175			
		with wheel	183			
	Fuel Tank Capacity (liters)		38			
	Sound Level [dB(A)/7m]	50Hz	76	-	76	
		60Hz	-	78	-	
	Continuous Operating Hours (hr)	50Hz	5.5	-	5.5	
		60Hz	-	4.5	-	
	Oil Alert & Auto Shutdown System		Equipped			
	4-wheel kit		Equipped			

Heavy Duty Type

(8.5 kVA - 22 kVA)

ELEMAX

Models			SH20D	SHT25D		
Type			LD	R	S	
Generator	Frequency (Hz)		60	50	60	
	Type		Self-exciting, 4-pole, Brushless, Field Rotating Type			
	Phase		Single	Three		
	Voltage Regulation System		AVR			
	AC Output	Rated Power (KVA)	50Hz	20	-	
			60Hz	-	-	22
	Rated Voltage (V)		120/240	Three Phase : 380 Single Phase : 220		
Rated Power Factor (cosφ)		1.0	0.8			
Engine	Maker		Kubota			
	Model		V2203-B			
	Displacement (CC)		2197			
	Maximum Horse Power (PS)		32.2(1,800rpm)			
	Starting System		Electric Starter			
Others	L x W x H (mm)		1660 x 690 x 900			
	Dry Weight (kg)		540			
	Fuel Tank Capacity (liters)		72			
	Sound Level [dB(A)/7m]	50Hz	-	66.0	-	
		60Hz	72.0	-	71.0	
	Continuous Operating Hours (hr)	50Hz	-	17.6	-	
		60Hz	14.3	-	15.2	
	Volt Meter		YES			
	Ampere Meter		-	YES		
	Hour Meter		YES			
	Warning Lights		Indicator lights (4-conditions)			
Output		Terminal & Socket	Terminal			
ATS Terminals		YES				

Heavy Duty Type

(8.5 kVA - 22 kVA)

ELEMAX

Models			SH15D		SHT15D	SHT17D	
Type			R	D	R	S	
Generator	Frequency (Hz)		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	-	15	-
			60Hz	-	13	-	16
	Rated Voltage (V)		220	120 / 240	Three Phase : 380 Single Phase : 220		
	Rated Power Factor (cosφ)		1.0		0.8		
Engine	Maker		KUBOTA				
	Model		D1005				
	Displacement (CC)		1001				
	Maximum Horse Power (PS)		26(3,600rpm)				
	Starting System		Electric Starter				
Others	L x W x H (mm)		1474 x 698 x 869				
	Dry Weight (kg)		387				
	Fuel Tank Capacity (liters)		53				
	Sound Level [dB(A)/7m]	50Hz	68	-	68	-	
		60Hz	-	71	-	71	
	Continuous Operating Hours (hr)	50Hz	10.8	-	11.8	-	
		60Hz	-	9.0	-	9.0	
	Volt Meter		YES				
	Ampere Meter		YES				
	Frequency Meter		NO				
	Hour Meter		YES				
	Warning Lights		Indicator lights (4-conditions)				
	Output		Plug Socket x 2				
ATS Terminals		YES					
Caster		Option					

SHX8000Di / SHX12000Di



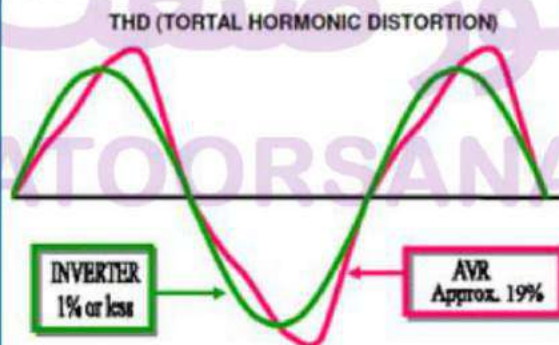
SHX8000Di  / SHX12000Di 

FEATURES

Pure Sine Wave Comparable to Utility Power^{*1}

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.



Tight Voltage & Frequency Regulations

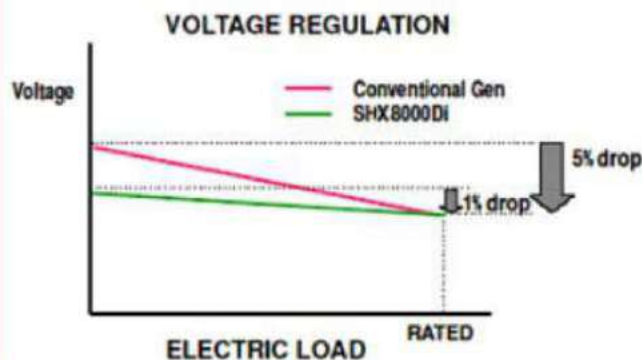
Conventional gens show prominent voltage drop, around 5%, between no load to rated load, whereas SHX8000Di's drop is within 1%.

Conventional gen's frequency fluctuates, most notably under inrush loads, by around 5%.

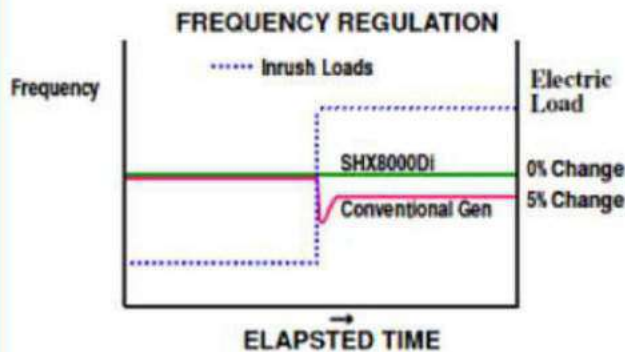
SHX8000Di on the other hand maintains perfectly stable frequency.



Control Panel

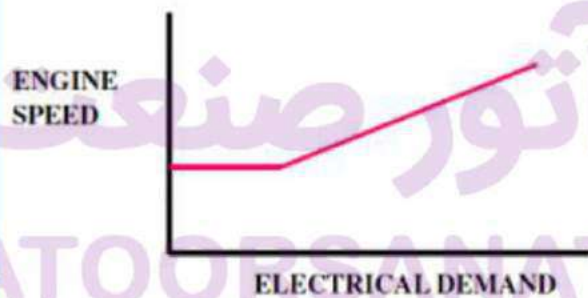


FEATURES



Variable Speed, Load-matching, Operation

Engine speed changes variably in proportion to load demand, contributing to low fuel consumption and minimizing noise level.



Permanent Magnet Alternator^{*2}

PMA (Permanent Magnet Alternator), concentrating SAWAFUJI's state of the art winding technologies, achieves alternator size 60% smaller compared with a conventional, fixed-speed alternator, contributing to substantial decrease in weight and size.

Directly mounted on the flywheel and comes with no bearing and brush, the PMA is virtually free from troubles caused by worn parts.

Boost Button

Increases engine speed and minimizes voltage drop during motor starting.

Multi-Display by LED

Shows rpm, cumulative running hours, and error messages for self-diagnostics.

Terminals for ATS (Automatic Transfer Switch)

When connected with ATS, the generator auto-starts when utility power fails.

Inverter Type

(7.5 - 10.2 kVA)

ELEMAX

MODEL NAME		SHX8000Di		
TYPE		R	LD	
FREQUENCY (Hz)		50	60	
ALTERNATOR	Type	Permanent Magnet, Multi-Pole Alternator		
	Phase	Single		
	Voltage Regulation System	Inverter		
	Waveform	Pure Sine Wave		
	Output	Maximum	7.5 kVA	
		Rated	7.0 kVA	
	Voltage (V)	220	120/240	
	Current (A)	31.8	2 x 31.8 - 31.8	
	Rated Power Factor (cos)	1.0		
ENGINE	Maker	YANMAR		
	Model Name	2TNV70 - ASG		
	Displacement (L)	0,570		
	Rated Output (kW / rpm)	9.5 / 3600		
	Engine Speed (rpm)	2300 - 3400, VARIABLE		
	Starting System	Electric Starter		
	Fuel	Diesel Fuel (BS2869A1 or equivalent)		
	Cooling Type	Radiator		
	Battery (5HR)	12 - 36 (46B24L)		
Others	L x W x H (mm)	1080 x 647 x 686		
	Dry Weight (kg)	257		
	Fuel Tank Capacity (L)	32		
	Sound Level [dB(A) / 7m]	25% Load	63.5	
		75% Load	65.5	
	Fuel Consumption (L / h)	100% Load	67.5	
		25% Load	1.1	
	Fuel Consumption (L / h)	50% Load	1.6	
		75% Load	2.2	
		100% Load	3.0	
	Volt Meter	YES		
	Hour Meter	YES (LED Display)		
	Warning Lights			
Output	Plug Socket x 3	Plug Socket x 5		
ATS Terminal	YES			

Inverter Type (7.5 - 10.2 kVA)

ELEMAX

MODEL NAME		SHX1200Di		
TYPE		R	LD	
FREQUENCY (Hz)		50	60	
ALTERNATOR	Type	Permanent Magnet, Multi-Pole Alternator		
	Phase	Single		
	Voltage Regulation System	Inverter		
	Waveform	Pure Sine Wave		
	Output	Maximum	11.0 kVA	
		Rated	10.2 kVA	
	Voltage (V)	220	120/240	
	Current (A)	46.4	2 x 46.4 - 46.4	
	Rated Power Factor (cos)	1.0		
ENGINE	Maker	YANMAR		
	Model Name	3TNM68 - ASG		
	Displacement (L)	0.784		
	Rated Output (kW / rpm)	13.8 / 3600		
	Engine Speed (rpm)	2300 - 3400, VARIABLE		
	Starting System	Electric Starter		
	Fuel	Diesel Fuel (BS2869A1 or equivalent)		
	Cooling Type	Radiator		
	Battery (5HR)	12 - 36 (46B24L)		
Others	L x W x H (mm)	1184 x 670 x 770		
	Dty Weight (kg)	278		
	Fuel Tank Capacity (L)	40.7		
	Sound Level [dB(A) / 7m]	25% Load	64.0	
		75% Load	66.0	
		100% Load	68.0	
	Fuel Consumption (L / h)	25% Load	1.6	
		50% Load	2.3	
		75% Load	3.2	
		100% Load	4.3	
	Volt Meter	YES		
	Hour Meter	YES (LED Display)		
	Warning Lights			
Output	Plug Socket x 3	Plug Socket x 5		
ATS Terminal	YES			

Sound - Proof Type (6.0 - 8.8 kVA)

ELEMAX

SH07D / 11D



LINE UP SH07D / SH11D

SPEC

آتور صنعت



FEATURES

-Hour meter

Lets users know the timing when to replace the consumables such as oil and spark plug

-Auto shutdown

Stops the engine automatically when it lacks enough oil or if water temperature overheats.

-Starter protection relay

Keeps the starter from engaging after the engine starts.

-Voltage selector switch

-Access terminals for ATS

Sound - Proof Type (6.0 - 8.8 kVA)

ELEMAX

Model NAME		SH07D			SH11D			
Type		LD	U	R	LD	U	R	
Generator	Frequency (Hz)	60	50		60	50		
	Rated Output (kVA)	6.5	5.5		10.0	8.0		
	Maximum Output (kVA)	7.0	6.0		11.0	8.8		
	Rated Voltage (V)	120 /240	240	220	120 /240	240	220	
	Rated Current (A)	54.2 /27.1	22.9	25	41.7x2 /41.7	33.3	36.4	
	Phase / Wires	1/4	1/2		1/3	1/2		
	Type	2-pole, field rotating type with AVR						
	Power Factor	1.0						
ENGINE	Model	KUBOTA Z482			KUBOTA D722			
	Type	Vertical, water-cooled, 4-cycle diesel engine						
	No. of Cylinders	2			3			
	Continuous Rated Output (kVA)	8.1	6.9		12.2	10.3		
	Engine Speed (rpm)	3600	3000		3600	3000		
	Starting System	Electric Starter						
Control Panel	Receptacle Types	5-15R	2x15A (2P+ ground)	6-15R	5-15R	3x15A (2P+ ground)	6-15R	
	Bolt-on Output Terminal	3P	N/A	2P	3P	N/A	2P	
	Pilot Lamp	Equipped						
	Volt Meter	Equipped						
	Hour Meter	Equipped						
	Full Power Switch	Equipped	N/A		N/A			
Others	Terminals for ATS connection (ATS not included)	Equipped						
	Fuel Tank Capacity (ℓ)	28.0						
	Fuel Consumption (ℓ/h)	Full Load	2.6	2.2		4.1	3.2	
		3/4 Load	2.1	1.8		3.3	2.5	
		1/2 Load	1.7	1.5		2.7	2.1	
		1/4 Load	1.4	1.2		2.2	1.8	
	Continuous Operation Hours (h)	Full Load	10.0	12.0		7.0	8.5	
		3/4 Load	13.3	15.6		8.5	11.2	
		1/2 Load	16.5	18.7		10.4	13.3	
		1/4 Load	20.0	23.3		12.7	15.6	
	Dimensions L x W x H (mm)	1066 x 618 x 698			1281 x 618 x 698			
Approx Net Weight(kg)	235			295				
Sound Level (dB) (Full Load at 7m)	67.5	66.5		69	68			
Emergency Stop System	Shut downs engine when genset senses abnormalities in oil pressure or water temperature, or when access terminal cover is opened.							

Standard Series (1.3 - 6.0 kVA)

ELEMAX

SH1900 - SH6000



FEATURES

- Honda OHV 4-stroke Engine
- Saddle type Control Box with 2 AC Outlets
- Compact, Light Weight and Solid

LINE UP

SH1900 / SH2900

SPEC

SH4000 / SH5000 / SH6000

SPEC

Models			SH1900	SH2900	
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
			60Hz	1.5	2.3
		Maximum Power (kVA)	50Hz	1.6	2.4
60Hz			1.9	2.9	
Rated Voltage (V)		220 (R,S-type), 120 (L-type)			
Rated Power Factor (cosp)		1.0			
Engine	Maker		HONDA		
	Models		GX120	GX160	
	Displacement (CC)		118	163	
	Net Power (kW)	3,600rpm	2.6	3.6	
	Ignition System		Transistor		
	Oil Alert System		YES		
	Starting System		Recoil		
Others	L x W x H (mm)		560 x 422 x 422		
	Dry Weight (kg)		29	34	
	Fuel Tank Capacity (liters)		2.5	3.6	
	Sound Level [dB(A)/7m]	50Hz	69	70	
		60Hz	71	72	
	Continuous Operating Hours (hr)	50Hz	3.1	3.7	
		60Hz	2.1	2.5	

Standard Series

(1.3 - 6.0 kVA)

ELEMAX

Models		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	2.7	3.2	4.0
			60Hz	3.0	3.6	4.5
	Maximum Power (KVA)	50Hz	3.7	4.5	5.5	
		60Hz	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	GX240	GX270	GX340		
	Displacement (CC)	270	270	389		
	Net Power (kW)	3,600rpm	5.9	6.3	8.0	
	Ignition System	Transistor				
	Oil Alert System	YES				
	Starting System	Recoil				
Others	L x W x H (mm)		605 x 495 x 490		605 x 511 x 490	
	Dry Weight (kg)		51	54	65	
	Fuel Tank Capacity (liters)		6.0	6.0	6.5	
	Sound Level [dB(A)/7m]	50Hz	72	72	73	
		60Hz	74	75	76	
	Continuous Operating Hours (hr)	50Hz	3.6	3.3	2.8	
60Hz		3.1	2.7	2.3		

SHW190



SPEC

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

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	-	-
		Rated Voltage (V)	60Hz -	3.0	4.0
		Rated Power Factor (cosφ)	220 1.0		
Welder(DC)	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			
	Rated Duty Cycle (%)	50			
	Welding Rod	2.6 to 5.0 mm dia.			
Engine	Maker	HONDA			
	Model	GX390			
	Displacement (CC)	389			
	Net Power (kW)	3,600rpm	8.7		
	Ignition System	Transistor			
	Oil Alert System	YES			
	Starting System	Recoil (OP;Electric)			
Others	L x W x H (mm)	679 x 511 x 490			
	Dry Weight (kg)	88			
	Fuel Tank Capacity (liters)	17			
	Sound Level [dB(A)/7m]	50Hz	73		
		60Hz	75		
	Continuous Operating Hours (hr)	50Hz	6.2		
		60Hz	5.2		

ELEMAX