

EX Series

SPEC. 512 **Gasoline Generators**

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)

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FEATURES

-Honda OHV 4-stroke Engine

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



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*

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.







SPEC. 5P

SHX Series

Portable Gasoline Generators

SHX1000

Long Operating Hours

Portability

SHX2000

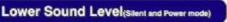




















FEATURES

-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)

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.



HEAVY DUTY Type

Diesel Generators

SPEC. 5P

Gasoline Generators

SPEC. 5P

SHT25D

High Performance Diesel Engine

Large Capacity Fuel Tank



Brushless Alternator

STAMFORD BC184E

FEATURES

-High Performance Diesel Engine"

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: ±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



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



UNE 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





-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

SH2900-SH6000

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Gasoline Generators

SPEC. 6P

WELDER Generator

Gasoline Welder Generator

SPEC. 6P

SHW190



FEATURES

- -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

ATS Generator

Gasoline Generator

SPEC. 6P

SH7000ATS



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.

FEATURES

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

3.6 ₺ UNEUP SH1900/SH2900/SH4000/SH5000/SH6000



SPECIFICATIONS EX Series

Gasoline	Generators							FEAT	URES 1-2		
Vlodels Type				SH3200EX	SH3900EX 20V(50Hz), S-type:	SH4600EX 220V(60Hz) D-tv	SH5300EX	SH6500EX	SH7600E		
Generator	Frequency (Hz)			113/200		50.	60		0.100.107		
	Type	Type				If-Exciting, 2-pole,	Field Rotating Typ	pe			
	Voltage Regulation Sy	/stem				A)	/R				
	Phase					Sin	gle				
	AC Output	Rated Power (F	(VA) 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(KVAL 50Hz	2.6	3.3	4.0	4.7	5.8	6.5		
			60Hz	3.2	3.9	4.6	5.3	6.5	7.6		
	Andrew State of the Control of the C	Rated Voltage	(V)	220(R,S-type), 110/220(D-type), 120/240(LD-type)							
	DC Output (V-A)					12V-					
	Rated Power Factor				1						
Engine	Maker					HOI					
	Models			GX160 163	GX200	GX240	GX270	GX340	GX390		
		Displacement (CC)			196	242	270	337	389		
	Maximum Output (PS))	3,600rpm	5.5	6.5	8	9	11	13		
	Ignition System			Transistor							
	Oil Alert System						S				
	Starting System					Recoil		Recoil(OP	Electric)		
)thers	L X W X H (mm)				35 X 491			1B X 493			
	Dry Weight (kg)	110		44	46	63	68	75	78		
	Fuel Tank Capacity (liters)	THE STATE OF THE S		17		2		7.0		
	Sound Level [dB(A)/7	mj	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		

-			-			
c.	ч	v		O P	10	0
o	п	Λ	S		16	.5
_	_	_	_			_

Portable	Gasoline Generator	S							FEATURES	1-2F
Models	And the second of the second of the second	200		SHX	1000			SH)	(2000	
Type			R	G	S	L	R	G	S	L
Generator	Frequency (Hz) Engine Speed (rpm))	5800/) 4100(Power M	Aode/Silent			0 4	500	0
	Waveform					Square				
	AC Output	Maximum Power (W) Rated Power (W)		10	0		1900	1700	19 500	00
	DC Output	Rated Voltage (V)	220	230	220 Only fo	or Charging 12V	220 Automative	Batteries	220	120
			Maximum Charg	ing Output = 8.	3/4.2A[Power	Mode/Silent Mode)				
	Insulation Class					В	l.			
ngine	Maker					4OH	IDA.			
005.1100	Models			GXH	150			G)	(100	
	Type		Air Cooled OHV 4-stroke Gasoline				Air		4-stroke Gasi	oline
	Displacement (CC)		49.4				98 560 X 340 X 415			
Others	LXWXH (mm)			465 X 26		7	20020			
	Dry Weight (kg)		13.6	14.0	13.6	13.6	21.0	22.0	21.0	21.0
	Fuel Tank Capacity	(liters)		3.					7.7	
	Sound Level	[dB(A)/7m]	1	58(1/2				63(1/2	2 load) 4 load)	
		[dB Lwa]		89(3/4				93(34	4 load)	
	Continuous Operatin	ig Hours (hr)	5.	5(rated load)	8.6(1/2 1				7	
	Pilot Lamp					LE LE	D			
	Power Indicator					LE	D			
	Oil Alert System					YE	.5			
	Engine Stop		1	nterlocking wi	th Fuel Co	ck			Switch	
	AC	Output	P	lug Socket X	1	7		Socket X 2		
		Protective Device				Control				
	DC	Output				Term				
		Protective Device				Thermal Type I	Circuit Breake	3f		

HEAVY DUTY Type

Dies	el Generators				FE	ATURES	3-4P	Gasol	ine Generators		FE	ATURES	4P
Models		SH	15D	SHT15D	SHT17D	SH	125D	Models		SH	11000	SHT	11500
Type		R	S	R	S	R	S	Type		RAVS	DAVS	RAVS	SAVS
	or Frequency (Hz)	50	60	50	60	50	60	Generator	Frequency (Hz)	50	60	50	60
	Туре	Self-exciti	ng, 2-pole	Field Rot	ating Type		pole.Brushless tating Type		Type Voltage Regulation System	2-pole, Field Rotating AVR			Туре
	Phase	Sin	ale	Th	ree	Th	ree		Phase	Si	ngle	T	ree
	Voltage Regulation System			VR	100		VR		AC Output Rated Power 50Hz			9.5	1
	AC Output Rated Power(KVA):50Hz	1	2	13	28	20			(KVA) 60Hz		9.5		10.5
	60Hz				15		22		Maximum Power 50Hz		-	10.5	4
	Rated Voltage (V)	2	17)	Single Ph	ase : 220	Single Pl	nase : 220		(KVA) 60Hz		10.5	-	11.5
		-	žu.	Three Ph	ase : 380	Three Pt	ase: 380		Rated Voltage (V)	220	120/240	220	3/380
	Rated Power Factor (cos of)	1	.0		8.0		8.0		Rated Power Factor (cos d)		1.0	(0.8
ngine	Maker			NDA			bota	Engine	Maker	HONDA			
	Models			1250			203-B		Model	GX620			
	Displacement (CC)			235		2197			Displacement (CC)		6		
	Maximum Horse Power (PS)			O0rpm)			800rpm)		Maximum Output (PS)	20(3,600rpm)			
	Starting System			Starter			Starter		Ignition System	Transistor			
Others	LXWXH (mm)			30 X 815	5		390 X 900		Oil Alert System	YES			
	Dry Weight (Kg)			41		540			Starting System		Electric Starter		
	Fuel Tank Capacity (liters)			38			72	Others	L X W X H (mm)		53 X 617		
	Sound Level [dB(A)/7m] 50Hz		- A.	69		66			Dry Weight without wheel		88	1	90
	60Hz		72		72		71		(kg) with wheel	1	96		98
	Continuous Operating Hours (hr) 5DHz			7.9	- 2	17.6			Fuel Tank Capacity(liters)		- 2	6	
	60Hz	+	6.4	-	6.4	+	15.2		Sound Level [dB(A)/7m] 50Hz		7	5	
	Volt Meter			ES			ES		60Hz				
	Ampere Meter			10		Y	ES		Continuous Operating Hours (hr) 50Hz	4.5	-	4.5	
	Frequency Meter			10		Y	ES		60Hz		4	4 41	- 4
	Hour Meter	To all a		10	47.000.0		ES		Cooling System	-		d Air	
	Warning Lights	Indic		s (4-cond	nions)	indicator ligh	ts[4-conditions]		Engine Oil Refill Capacity (liters)	T.E. (WIT) I	eplace a fitter) /	1.5 (without n	space a file
	Output ATS Terminals		Plug So	cket X 2			minal ES						
	ATS Terminals		- P	NO.		- Y	ED						

STANDARD Series

Gasoline	Generators							FEATURES 3P			
Models				SH1900	SH2900	SH4000	SH5000	SH6000			
Туре				R-type; 220V(50Hz), S-type; 220V(60Hz), L-type; 120V(60Hz)							
Generator	Frequency (Hz)					50. 60					
	Type				Self-Excitir	ng, 2-pole, Field Rot	ating Type				
	Voltage Regulation	n 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			
	Rated Vol		60Hz	1.9	2.9	4.1	5.0	6.0			
		Rated Voltage (V)		220(R.S-type). 120(L-type)							
	Rated Power Fac	tor (cos ϕ)	1			1.0					
ngine	Maker					HONDA					
				GX120	GX160	GX240	GX270	GX340			
	Models Displacement (CC)	2)		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	(2)	1			Recoil		2012-000-000-00			
Others	LXWXH (mm)		560 X 42	22 X 422	605 X 49	5 X 490	655 X 511 X 490			
	Dry Weight (kg)			29	34	51	54	65			
	Fuel Tank Capac	ity (liters)		2.5	3.6	6.0	6.0	6.5 73			
	Sound Level dB	A)/7m]	50Hz	69	70	72	72	73			
			60Hz	71	72	74	75	76			
	Continuous Opera	iting Hours (hr)	50Hz	3.1	3.7	3.6	3.3	2.8			
			60Hz	2.1	2.5	3.1	2.7	2.3			

WEL	DER	Gene	rator
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Gasoline V	Velder Generator			₹ FI	ATURES	3-4P
Model					SHW190	
Type				R	S	L
Generator	Frequency (Hz)			50		0
	Type			2-pole,	Field Rotal	ting Type
	Phase			4110000000	Single	
	AC Output Rated Po	wer (KVA)	50Hz	2.0		
			60H2	196	3.0	4.0
	Rated Vo	itage (V)		2	20	110
	Rated Power Factor (cos ø)			Section 1	1.0	2.20
Welder(DC)	Type			2-pole,	Field Rotat	ing Type
	Rectifier Type	-		Six Phas	e Half Way	
	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	
	Maximum Output (PS)	- 3.	600rpm		13	
	Ignition System				Transistor	
	Oil Alert System			-	YES	
	Starting System				oil (OP;Ele	
Others	L X W X H (mm)			675	X 511 X	490
	Dry Weight (kg)			-	88	
	Fuel Tank Capacity (liters)	Line	N. London		17	
	Sound Level [dB(A)/7m]		Hz		73	
	0		Hz Hz		75 6.2	
	Continuous Operating Hours		Hz Hz			
		DL.	JT1.Z		5.2	

ATS Generator

Gasolin	e Generator			FEATURES	4P
Model	and the second of the second of			SH700	DATS
Type				RAVS	SAVS
Generator	Frequency (f	-tz)		50	60
	Type			Self-Exciting, 2-pole.	Field Rotating Ty
	Voltage Regi		AV		
	Phase		Sino	le	
	AC Output	Rated Power	50Hz	5.7	
		(KVA)	60Hz	5.5	5
		Maximum Power	50Hz	6.1	
		(KVA)	60Hz	7.2	
		Rated Voltage	(V)	22	0
	DC Output (12V-8	1.3A
		Factor (cos ϕ)		1.0	
Engine	Maker			HON	DA
	Model		GX390		
	Displacement	t (CC)		38	9
	Maximum Ou	itput (PS)	3.600rpm		
	Ignition Syste	em		Trans	
	Oil Alert Sys	tem		YE	
	Starting Syst	em		Electric	
Others	LXWXH			679 X 51	1 X 496
	Dry Weight	(kg)		81	
	Fuel Tank C	apacity (liters)	Lewis Co.	17	
	Sound Level	[dB(A)/7m]	50Hz	73	
			60Hz	75	
	Continuous O	perating Hours (hr)	50Hz	6.2	
			60Hz	5.2	

Specifications are subject to change without notice.

	Portable Gasol	ine Generators		Gasoline Generators								
	SHX Series		EX Series							UTY Type		
STANDARD ACCESSORY	SHX1000	SHX2000	SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	SH11000	SHT11500		
Owner's Manual	0	0	0	0	0	0	0	0	0	0		
Plug	※ 1	※ 1	0	0	Ö	0	0	Ô	0	0		
Spark plug		7.4	0	0	0	0	0	0		2		
Wrench	0	0	0	0	0	0	0	0	0	0		
Tool kit	2											
Slow blow fuse	2		2	100	22	21	-	43				
Battery	-								0	0		
Band hook for battery	,		-		(+	*	% 2	%2	0	0		
								1 : only R.S type	₩2 : only Elec	ctric starter typ		
OPTIONAL EQUIPMENT	SHX1000	SHX2000	SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	SH11000	SHT11500		
Electric starter	-						0	0	STD	STD		
4-wheel kit		100		(40)	0	0	0	0	STD	STD		

				Gasoline Generators								
	1	HEAVY DUTY Typ	e		S	WELDER	ATS					
STANDARD ACCESSORY	SH15D	SHT15D/17D	SHT25D	SH1900	SH2900	SH4000	SH5000	SH6000	SHW190	SH7000ATS		
Owner's Manual	0	0	0	0	0	0	0	0	0	0		
Plug	0	0	-	0	0	0	0	0	0			
Spark plug		-		0	0	0	0	0	0	0		
Wrench				0	0	0	0	0	0	0		
Tool kit	0	0	0	- 1	877	1.0	12	1 1	-	-		
Slow blow fuse	*											
Battery	0	0	. 0				14			0		
Band hook for battery	0	0	0	27		200	14		₩2	0		
							38	1 : only R,S type	表2: anly Ele	ectric starter type		
OPTIONAL EQUIPMENT	SH15D	SHT15D/17D	SHT25D	SH1900	SH2900	SH4000	SH5000	SH6000	SHW190	SH7000ATS		
Electric starter	STD	STD	STD						0	STD		
4-wheel kit	STD	STD		+			- 4	*	0	0		