Compact Diesel Type (5.5 - 10.2kVA)

Diesel Generators

SHX8000Di (7.0kVA) SHX12000Di (10.2kVA)



FEATURES

- High Performance Diesel Engine

Yanmar 2TNV70-ASG Compliant with EPA TIER 4 FINAL

Variable 2300 - 3400 rpm contributes to reduced fuel consumption and minimizing noise levels

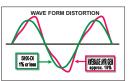
High quality, pure sine wave electrical output is ideal for sensitive equipment like PC and TVs.

- SAWAFUJI PMA (Permanent Magnet Alternator) ²

The PMA incorporates SAWAFUJI's state of the art winding technology and is 60% smaller than conventional alternators.

- SMART Multi LED Display *3

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



*1: Inverter



*2: PMA



*3: Contorol Panel

SHO7D (5.5 - 6.5kVA)



LINE UP SH07D/SH11D

FEATURES

- Best-in-the-industry Engine

Kubota Z482 (SH07D) / D722 (SH11D)
The life of the genset is second to none with sufficient power exceeding your expectations.

- Emergency Auto Shutdown

Stops the engine automatically when it lacks enough oil or if water temperature overheats or output terminal cover is opened..

- Connectable with ATS (Automatic Transfer Switch)

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





Type R



Type LD

Heavy Duty Gasoline Type (8.5 - 11.8kVA)

Gasoline Generators

SH11000 (8.5 - 9.5kVA)



FEATURES

- Powerful Gasoline Engine

Honda GX630 15.1kW Air-Cooled OHV V-TWIN Engine

- Control Panel

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

LINE UP SH11000/SHT11500





Single Pha



Three Phase

Heavy Duty Diesel Type (12 - 22kVA)

SPEC.

*1: Kubota D1005

*2: Contorol Pamel

SH15D (12 - 13kVA)



LINE UP SH15D/SHT15D/SHT17D













SHT25D (20 - 22kVA)



LINE UP SH20D/SHT25D

FEATURES

-High Performance Diesel Engine

Kubota D1005

Vertical water-cooled,4-cycle diesel engine

The D1005 diesel engines ensure greater power, more efficient combustion, and cleaner emissions.

-Control Panel *2

Easy to see and easy operation.

-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.

FEATURES

- High Performance Diesel Engine *3

Kubota V2203-B

- Brushless Alternator STAMFORD PI144D
- Control Panel
- Automatic Air Bleeding
- Safety System
- Large Capacity Fuel Tank
- One Side Maintenance
- ATS(AMF) Terminals















*4: Contorol Pamel

*3: Kubota V2203-B

SH13000 (10 - 11.8kVA)



FEATURES

- More Powerful Gasoline Engine

Robin EH72-2DS 17.2kW Air-Cooled OHV V-TWIN Engine

- Control Panel

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

LINE UP SH13000/SHT15000











Single Phase



Three Phase

EX Series(2.2 - 6.5kVA)

Gasoline Generators

SPEC. 5P

SH3200EX





SH7600EXS



FEATURES

- Honda OHV 4-stroke Engine

Provides high power,outstanding fuel economy. Fuel consumption is nealy 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 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 designe, safety and water resistance are also improved.

- Improved Frame Designe

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.











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

STANDARD Series (1.3 - 4.5kVA)

Gasoline Generators

SPEC. 6P

WELDER Generator

(140A 26V)

Gasoline Generators

SPEC. 6P

SH2900











FEATURES

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

SHW190





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

SHX Series(900 - 1500W)

Portable Gasoline Generators

SPEC. 5P

SHX1000









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.







Rated Output 1500 W (50/60Hz)



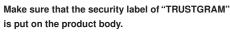


How to Authenticate ELEMAX Generators

FAKE!

Check Point









SAWAFUJ



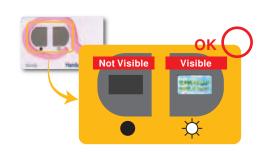
Without TRUSTGRAM..



Check Point

2 -HOLOGRAM-

Make sure that the following change is visible through the "VIEWER"



Window	•	≎
OK	Not Visible	Visible
FAKE	Not Visible	Not Visible
FAKE	Visible	Visible
FAKE	Visible	Not Visible

SPECIFICATIONS

EX Series

Gasoline (Generators							3	P FEATURES	
Models				SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	
Type				R-type	-type; 220V(50Hz), S-type; 220V(60Hz), D-type; 110/220V(60Hz), LD-type; 127/240V(60Hz)					
	Frequency (Hz)			50, 60						
	Туре			Self-Exciting, 2-pole, Field Rotating Type						
	Voltage Regulation System	m		AVR						
	Phase						gle			
		Rated Power (KVA)	50Hz	2.2	2.8	3.2	3.8			
Generator		Trated Fewer (TVF)	60Hz	2.5	3.2	3.8	4.4			
	AC Output (KVA)	Maximum Power (KVA)	50Hz	2.6	3.3	4.0	4.7			
		` '	60Hz	3.2	3.9	4.6	5.3		7.6	
		Rated Voltage (V)			R;220(50Hz	z), S;220(60Hz), D;11		27/240(60Hz)		
	DC Output (V-A)						8.3A		SH6500EX SH7600EX type; 127/240V(60Hz) 5.0 5.6 6.5 5.8 6.5 6.5 7.6 0(60Hz) GX340 GX390 389 389 8.0 8.7 Recoil(OP;Electric)	
	Rated Power Factor (cos	Ø)					.0			
	Maker			0)/400	0.0000		nda	0.70.40	0.0000	
	Models			GX160 163	GX200	GX240 270	GX270			
Facino	Displacement (CC)	3,600rpm		3.6	196 4.1	5.9	270 6.3			
Engine	Net Power (kW)	3,60010111			sistor	5.9		:DI	0.7	
	Ignition System Oil Alert System			Iran	SISIOI	V	ES C	-DI		
	Starting System				Do	ecoil	=5	Pagail/Ol	D:Electric)	
	L x W x H (mm)			623 × 4	38 x 491	T	709 v 5	48 x 493	,Electric)	
	Dry Weight (kg)			44	46	63	68		7Ω	
	Fuel Tank Capacity (litres)			17	03		28	70	
Others			50Hz	64	65	63	70		73	
Others	Sound Level (dB) [dB(A)/	7m] (0% load)	60Hz	68	69	71	72			
			50Hz	14	10	14	12			
	Continuous Operating Ho	ours (h)	60Hz	12	8.8	11	10			

SHX Series

OIIA	OULIU									
Portab	le Gasoline	Generators							4	P FEATURES
Models				SHX	1000			SHX	2000	
Туре			R	G	S		R G S			L
	Frequency (Hz)			50	6	0		50	(60
	Engine Speed (rp	om)		5800/4100(Power	Mode/Silent Mode)			45	00	
	Waveform					Square	ire-Wave			
		Maximum Power (W)			000		1900	1700		900
Generator	AC Output	Rated Power (W)			00			15		
		Rated Voltage (V)	220	230	220	120	220	230	220	120
	DC Output		L			y for Charging 12V	Automotive Batte			
	'		Maximum C	harging Output = 8.	3/4.2 A(Power Mod			Maximum chargii	ng output = 8.3A	
	Insulation Class						В			
	Maker			01/	1.150	Ho	nda	01/	100	
Engine	Models				H50			GX*		
	Type Displacement (C	0)	Air Cooled OHV 4-stroke Gasoline 49.4					Air Cooled OHC 4		
	L x W x H (mm)	(-)	49.4 465 x 265 x 380					560 x 34		
	Dry Weight (kg)					13.6	21.0	22.0	21.0	21.0
	Fuel Tank Capac	ity(litres)	10.0		.8	10.0	7.7			
	· ·	[dB(A)/7m]			% load)			63 (50%		
	Sound Level	[dB Lwa]	A 14		% load)		1 4 1	93 (75%		
	Continuous Oper				8.6 (50% load)		1/1	7 (1009		
011	Pilot Lamp					LE	D			
Others	Power Indicator					LE	D			
	Oil Alert System					YE	S			
	Engine Stop		_	Interlocking v	vith Fuel Cock			Rocker	Switch	
	AC	Output		Plug Socket x 1	·			Plug Socket x 2		
	AU	Protective Device				Control				
	DC	Output				Tern				
		Protective Device				Thermal Type	Circuit Breaker			

HEAVY DUTY Type

Diese	el Ge	nerato	ors									1-2P	FEAT	TURES	
Models				SH	07D	SH	11D	SH	15D	SHT15D	SHT17D	SH20D	SHT	25D	
Туре				R	LD	R	LD	R	D	R	S	LD	R	S	
	Freque	ency (Hz))	50	60	50	60	50	60	50	60	60	50	60	
	Type				Self	f-exciting	g, 2-pole,	Field R	otating T	ype		Sefl-exciting, 4-p	Sefl-exciting, 4-pole, brushless, Field Rotating Ty		
	Phase				Sin	gle		Sir	igle	Th	ree	Single	Th	ree	
	Voltage	Regulation				/R					AVR				
Generator		Rated Power			.5		.0		2	_	5	-		20	
	AC	(KVA)	60Hz	6	.5	10	0.0	1	3		3.3	19		22	
	Output	Rated Vo	ltage	220	120/240	220	120/240	220	120/240	Single Ph		120/240		nase : 220	
		(V)		220			120/240		., .	Three Ph			Three Ph	ase: 380	
		ower Factor	r (cos ø)		1.	.0		1	.0	0	.8	1.0	0	.8	
	Maker								Kubota						
	Models							V2203-B							
Engine		cement (79		19			01			2197		
		Horse Powe		8.1(3,6	00rpm)	12.2(3,	600rpm)			00rpm)		32.2	2(1,800r	pm)	
		g System		Electric Starter 1066 x 618 x 698 1281 x 618 x 698 1474 x 698 x 869											
		x H (mm)								1 x 698 x 869		1660) x 690 x	(900	
		eight (Kg		20	35		90	387 53			540				
		k Capacity		00.5		8		00.5					72		
	Sound L	.eve। i] (100% load)	50Hz	66.5	67.5	68.0	69.0	69.5	72.8	69.5	72.8	72.0	68.0	72.0	
	Continuo		50Hz	12.0	07.5	8.5	69.0	10.8	12.6	11.1	12.0	12.0	17.6 *	12.0	
		g Hours (h)		12.0	10.0	0.5	7.0	10.6	9.0	11.1	9.5	14.3 *	-	15.2 *	
Others	Volt Me		001 12		10.0	_	7.0		YES	_	9.5	14.5		10.2	
		e Meter			N	0		YES	I NO	YE	-S	NO	YI	FS	
	Hour N				- 14			120	YES			140	- 11		
							In	dicator I		condition	s)				
		Warning Lights Output			R: Plug S D: Plug S		2,			cket x 2	-/	Terminal & Socket	Tern	ninal	
	ATS Te	rminals							YES						
													4	* 75% load	

CHY Cariac

Diese	l Genera	tors			1P (FEATURES		
Models			SHX8	3000Di	SHX1	SHX12000Di		
Туре			R	LD	R	LD		
Frequen	cy (Hz)		50					
	Type		Permane	ent Magnet, I	Multi-Pole	Alternator		
	Phase			Sing	gle			
	Voltage Regul	ation System		Inve				
	Waveform			Pure Sin				
Generator		n power (kVA/kW)		7.5		1.0		
	' Rated p	ower (kVA/kW)		.0		0.2		
	Voltage(V)		220	120/240	220	120/240		
	Current (A)		31.8	2 x 29.2-29.2	46.4	2 x 42.5-42.5		
	Rated Power	actor (cos ø)		1.				
	Maker			YANI				
	Model		2TNV7	70-ASG		68-ASG		
Engine	Displacemen			570		784		
	Rated outpu		9.3/	3600		3/3600		
	Engine spee			2300 - 3400)		
	Starting Syst	em		Electric				
	Fuel		Diesel Fuel (BS2869A1or equivalent)					
	Battery (5HF			12 - 36 (4				
	LxWxH(m			647 x 686		670 x 770		
	Dry Weight (kg)		57		278		
	Fuel Tank Ca			9.0		0.7		
	Sound Level	25% load		3.5		4.0		
	[dB(A)/7m]	75% load		5.5		6.0		
	[(-,//]	100% load		7.5		8.0		
	Fuel	25% load		.1		1.6		
Others	comsumptio	50% load		.6		2.3		
	(litres)	75% load		2.2		3.2		
		100% load	3	3.0		1.3		
	Volt Meter			YE	.S			
	Hour Meter			YES (LED	Display)			
	Warning Ligi	nts			. ,,			
	Output		R Type: Pli	ug Socket x 3, L		g Socket x 6		
	ATS Termina			YE	S			

HEAVY DUTY Type

	ne Generators	s							1-3	2P FEATURES	
Models				SH1	1000	SHT	11500	SH1:	3000	SHT15000	
Type				R	LD	R	S	R	LD	R	
	Frequency (Hz)			50 60 50 60					60	50	
	Туре			Self-exciting, 2-pole, Field Rotating Type							
	Voltage Regulation S	System					AVR				
	Phase			Sir	igle	Th	ree	Sin	gle	Three	
Generator		Rated Power (KVA)	50Hz	8.5	-	10.0	-	10.0	-	12.0	
Generator		Haled Power (KVA)	60Hz	-	9.5	-	11.5	-	11.8	-	
	AC Output (KVA)	Maximum Power (KVA)	50Hz	10.0	-	11.5	-	11.0	-	-	
		` '	60Hz	-	11.0	-	13.0	-	13.0	13.2	
		Rated Voltage (V)		220	120/240	220/380	220/380	220	120/240	220/380	
	Rated Power Factor	(cos ø)		1.0 0.8			1.0 0.8				
	Maker				Hor				Robin		
	Models			GX630					EH72-2DS		
	Displacement (CC)			688				720			
Engine	Net Power (kW)		3,600rpm		15	5.5			17.2		
	Ignition System						CDI				
	Oil Alert System						YES				
	Starting System						Electric Starter				
	L x W x H (mm)						665 x 636/804 (with	wheel)			
	Dry Weight (kg)	without wheel				60			175		
		with wheel			16	67			183		
	Fuel Tank Capacity(Ii	iters)					38				
Others	Sound Level [dB(A)/	7m1 (0% load)	50Hz		7	4		76.0	-	76.0	
Others	Souria Lever [ab(A)/	7111] (0 % 10au)	60Hz					-	78.0	-	
	Continuous Operation	ia Houre (h)	50Hz	7.0	-	7.0	-	5.5	-	5.5	
	·	ontinuous Operating Hours (h) 60Hz			6.2	-	6.2	-	4.5	-	
	Cooling System			Forced Air							
	Engine Oil Refill Capacity	(liters)		1.8 (with filter replaced) / 1	1.5 (without filter repl	aced)	1.55L (inclusive of those in	oil filter)	

STANDARD Series

WELDER Generato	WEL	DER	Gen	erato	r
------------------------	-----	-----	-----	-------	---

Gasolii	ne Ger	erators	5					3P	FEATURES		
Models					SH 1900	SH 2900	SH 4000	SH 5000	SH 6000		
Туре					R-type; 2	220V(50Hz), S-	type; 220V(60l	Hz), L-type; 12	0V(60Hz)		
	Frequen	cy (Hz)			50, 60						
	Туре					Self-Exciting,	, 2-pole, Field I	Rotating Type			
	Voltage F	Regulation	System				AVR				
	Phase						Single				
Generator		Rated Po	wer	50Hz	1.3	2.0	2.7		4.0		
Generator	AC	(KVA)		60Hz	1.5	2.3	3.0	3.6			
	Output	Maximum	Power	50Hz	1.6	2.4	3.7	4.5	5.5		
	(KVA)	(KVA)		60Hz	1.9	2.9	4.1	5.0	6.0		
		Rated Vol					220,120				
	Rated Po	ower Factor	r (cos ø)				1.0	SH 5000 SH 600 z), L-type; 120V(60Hz) otating Type 3.2 4.0 3.6 4.5 4.5 5.5 5.0 6.0 GX270 GX34 270 389 6.3 8.0 CDI			
N	Maker						Honda				
	Models				GX120	GX160	GX240	GX270	GX340		
	Displace	ment (CC)			118	163	270		389		
Engine	Net Powe	er (kW)	3,60	0rpm	2.6	3.6	5.9	6.3	8.0		
	Ignition S				Trans	sistor		CDI			
	Oil Alert						YES				
	Starting :			7			Recoil				
	LxWxH					22 x 422		95 x 490	655 x 511 x 490		
	Dry Weig				29	34	51				
	Fuel Tanl	k Capacity	(liters)		2.5	3.6	6.0	6.0	7.0		
Others	Sound Le			50Hz	69	70	72				
	[dB(A)/7	m] (0% loa	d)	60Hz	71	72	74				
		us Operati	ng	50Hz	3.1	3.0	3.6	3.0	2.8		
	Hours (h)	-	60Hz	2.1	2.5	3.1	2.7	2.3		

Gasoli	ne Wel	der Generato	r	3-4	4P Œ	ATURES	
Models					SHW190		
Type				R	S	L	
	Frequenc	y (Hz)		50	6	0	
	Type			2-pole, Field Rotating Type			
	Phase				Single		
Generator	AC	Rated Power (KVA)	50Hz	2.0			
	Output	,	60Hz	-	3.0	4.0	
	(KVA)	Rated Voltage (V)		22		110	
		wer Factor (cos ø)			1.0		
	Туре				ield Rotat		
	Rectifier :				Half Wave		
Welder	Rated Ou		3,700rpm		140A 26V		
110.00.		Control Range (A)			50 - 190		
		ity Cycle (%)			50		
	Welding I	Rod		2.61	o 5.0 mm	dia.	
	Maker			Honda			
	Models	. (00)		GX390			
-		ment (CC)	0.000		389		
Engine	Net Powe		3,600rpm		8.7		
	Ignition S		_		CDI YES		
	Oil Alert		-	Dage		atria)	
	Starting S L x W x F				il (OP;Ele x 511 x 4		
				6/8	90 90	190	
	Dry Weig						
Others	Sound Le	Capacity (liters)	50Hz 75				
Olliers		n] (0% load)	60Hz	75 75			
		us Operating Hours					
	(h) (AC 1	00%)	60Hz		5.2		
	() (,)		00112		0.2		

							·				
*1 : Only R,S type	Portable Gaso	line Generators		Gasoline Generators							
*2 : only Electric starter type	SHX	Series		EX Series							
Standard Accessory	SHX1000	SHX2000	SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	SHW190		
Owner's Manual	0	0	0	0	0	0	0	0	0		
Plug	*1	*1	0	0	0	0	0	0	0		
Spark plug	-	-	0	0	0	0	0	0	0		
Wrench	0	0	0	0	0	0	0	0	0		
Tool kit	-	-	-	-	-	-	-	-	-		
Slow Blow Fuse	-	-	-	-	-	-	-	-	-		
Battery	-	-	-	-	-	-	-	-	-		
Band hook for battery	-	-	-	-	-	-	*2	*2	*2		
Optional Equipment	SHX1000	SHX2000	SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	SHW190		
Electric Starter	-	-	-	-	-	-	OPT	OPT	OPT		
4-wheel kit	-	-	-	-	OPT	OPT	OPT	OPT	OPT		

					Gasoline Generator	S			
			STANDARD Series	3	HEAVY DUTY Type				
Standard Accessory	SH1900	SH2900	SH4000	SH5000	SH6000	SH11000	SHT11500	SH13000	SHT15000
Owner's Manual	0	0	0	0	0	0	0	0	0
Plug	0	0	0	0	0	0	0	0	0
Spark plug	0	0	0	0	0	-	-	-	-
Wrench	0	0	0	0	0	0	0	0	0
Tool kit	-	-	-	-	-	-	-	-	-
Slow Blow Fuse	-	-	-	-	-	-	-	-	-
Battery	-	-	-	-	-	0	0	0	0
Band hook for battery	-	-	-	-	-	0	0	0	0
Optional Equipment	SH1900	SH2900	SH4000	SH5000	SH6000	SH11000	SHT11500	SH13000	SHT15000
Electric Starter	-	-	-	-	-	STD	STD	STD	STD
4-wheel kit	-	-	-	-	-	STD	STD	STD	STD

				Diesel G	enerators					
	HEAVY DUTY Type									
Standard Accessory	SH07D	SH11D	SHX8000Di	SHX12000Di	SH15D	SHT15D	SHT17D	SH20D	SHT25D	
Owner's Manual	0	0	0	0	0	0	0	0	0	
Plug	0	0	0	0	0	0	0	0	0	
Spark plug	-	-	-	0	0	0	0	0	0	
Wrench	-	-	-	0	0	0	0	0	0	
Tool kit	0	0	0	-		-	-	-		
Slow Blow Fuse	0	0	-	0	0	0	0	0	0	
Battery	0	0	0	0	0	0	0	0	0	
Band hook for battery	0	0	0	-	-	-	-	-	-	
Optional Equipment										
Electric Starter	STD	STD	STD	STD	STD	STD	STD	STD	STD	
4-wheel kit	-	-	-	-	OPT	OPT	OPT	-	-	