

PRODUCTS

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

- SPECIAL INVERTER for Pure Sine Wave

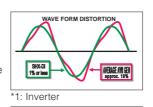
High quality, pure sine wave electrical output is ideal for sensitive equipment like PC and TVs.

- SAWAFUJI PMA (Permanent Magnet

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.







SH15D (12 - 13kVA)



Heavy Duty Diesel Type (12 - 22kVA)



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

Easy to see and easy operation.

-Automatic Air Bleeding

This system reduces troublesome maintenance procedures by

automatically removing air from the fuel line.

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.

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

-ATS(AMF)Terminals

ATS terminals are standard equipment.

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

- Connectable with ATS (Automatic Transfer Switch)

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



SHT25D (20 - 22kVA)



FEATURES

- High Performance Diesel Engine Kubota V2203-B
- Brushless Alternator STAMFORD PI144D
- Control Panel
- Automatic Air Bleeding
- Safety System
- Large Capacity Fuel Tank
- One Side Maintenance - ATS(AMF) Terminals



0D/3H123L	LINE UP 5
Fuel T	Rated I
22kVA (60Hz)	20kVA (50Hz)



SPEC. 5P

1: Kubota D1005



SPEC. 6P

Heavy Duty Gasoline Type (8.5 - 11.8kVA)

Gasoline Generators

SH11000 (8.5 - 9.5kVA)



FEATURES

- Powerful Gasoline Engine

Honda GX630 21.1PS Air-Cooled OHV V-TWIN

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

INE UP SH11000/SHT11500



SH13000 (10 - 11.8kVA)



FEATURES

- More Powerful Gasoline Engine

Robin EH72-2DS 25.4PS Air-Cooled OHV V-TWIN

- Control Panel

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

LINE UP SH13000/SHT15000





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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبـروی پالایشگاه نفت پـارس، پلاک ۱۲



PRODUCTS

SH3200EX

EX Series (2.2 - 6.5kVA)

Gasoline Generators



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.

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 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)

SHX Series (900 - 1500W)

Portable Gasoline Generators

SPEC. 5P

SHX1000









-Advanced Technology *3

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

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)

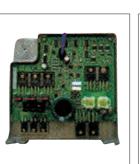
This unique designed silent mode for SHX1000 provides extremely lower sound level with 3/4 load. Just in case to take full load, only to change to Power mode.

-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.







SH7600EX





WELDER Generator

(140A 26V)

SHX2000

ATS Generator(5.0 - 5.5kVA)

Gasoline Generators



STANDARD Series (1.3 - 4.5kVA)

Gasoline Generators



SH2900

FEATURES

- Honda OHV 4-stroke Engine

- Saddle type Control Box with 2 AC

- Compact, Light Weight and Solid

Gasoline Generators

SPEC. 6P



SHW190

FEATURES

- Honda OHV 4-stroke Engine
- 190amps Maximum DC Power
- 17 liter Large Capacity Fuel Tank with Fuel Gauge
- Compact and Light Weight
- Stable-Arc 6-Phase Half Wave **Current for Welding**

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
- Can be used for standby and portable generator.

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روبـروی پالایشگاه نفت پـارس، پلاک ۱۲

LINE UP SH1900/ SH2900/SH4000/ SH5000/ SH6000



SPECIFICATIONS

EX Series

Gasoline (Generators							3	P FEATURES		
Models				SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX		
Туре				R-type	; 220V(50Hz), S-typ	e; 220V(60Hz), D-ty	pe; 110/220V(60Hz)), LD-type; 120/240V	(60Hz)		
	Frequency (Hz)			50, 60							
	Туре			Self-Exciting, 2-pole, Field Rotating Type							
	Voltage Regulation Syste	em		AVR							
	Phase					Sin	gle				
		Rated Power (KVA)	50Hz	2.2	2.8	3.2	3.8	5.0	5.6		
Generator		Hated Fower (RVA)	60Hz	2.5	3.2	3.8	4.4	5.6	6.5		
	AC Output (KVA)	Maximum Power (KVA)	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		
		Rated Voltage (V)		R;220(50Hz), S;220(60Hz), D;110/220(60Hz), LD;120/240(60Hz)							
	DC Output (V-A)					12V-	8.3A				
	Rated Power Factor (cos	5)				1					
	Maker					Hor					
	Models			GX160	GX200	GX240	GX270	GX340	GX390		
	Displacement (CC)			163	196	242	270	337	389		
Engine	Maximum Output (PS)		3,600rpm	5.5 6.5 8 9 11 13							
	Ignition System			Transisitor							
	Oil Alert System			YES							
	Starting System					coil			P;Electric)		
	LXWXH(mm)			623 X 43				48 X 493			
	Dry Weight (kg)			44	46	63	68	75	78		
	Fuel Tank Capacity (litres	s)			7			28			
Others	Sound Level (dB) [dB(A)	/7ml	50Hz	64 68	65 69	63	70	71	73		
	234114 20101 (42) [42(/1)	60HZ				71	72	75	76		
	Continuous Operable Ho	Continuous Operable Hours (hr)			10	14	12	10	8.5		
	Continuous Operable ne	/dio (iii)	60Hz	12	8.8	11	10	7.9	7.2		

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Portab	le Gasoline	Generators							4	FEATUR
Models				SHX	(1000			SHX	2000	
Туре			R	G	S	L	R	G	S	L
	Frequency (Hz)		5	50	6	60		50	6	0
	Engine Speed (r	pm)		5800/4100(Power	Mode/Silent Mode)			45	500	
	Waveform					Square	e-Wave			
		Maximum Power (W)			000		1900	1700	19	00
Generator	AC Output	Rated Power (W)		g	900			15	500	
		Rated Voltage (V)	220	230	220	120	220	230	220	120
	DC Output		Only for Charging 12V Automotive Batteries.							
	DC Output		Maximum Charging Output = 8.3/4.2 A(Power Mode/Silent Mode) Maximum charging output = 8.3A							
	Insulation Class						В			
	Maker					Ho	nda			
ngine N	Models				(H50				100	
	Туре			Air Cooled OHV	4-stroke Gasoline			Air Cooled OHC	4-stroke Gasoline	
	Displacement (C	C)		4	9.4			9	98	
	LXWXH(mm)			465 X 2	265 X 380			560 X 3	40 X 415	
	Dry Weight (kg)		13.6	14.0	13.6	13.6	21.0	22.0	21.0	21.0
	Fuel Tank Capac	city(litres)		3	3.8		7.7			
	Sound Level	[dB(A)/7m]		58(1/	2 load)		63(1/2 load)			
	Souria Level	[dB Lwa]		89(3/	4 load)		93(3/4 load)			
	Continuous Ope	rable Hours	5.5(rated load) 8.6(1/2 load) 7							
Others	Pilot Lamp						ED			
Juleis	Power Indicator					LE	ED			
	Oil Alert System					YE	ES			
	Engine Stop				with Fuel Cock				Switch	
	AC	Output		Plug Socket X 1				Plug Socket X 2		
P		Protective Device	Control Circuit							
	DC	Output					minal			
		D : :: D :				Th	O: : D I			

HEAVY DUTY Type

Diese	el Gener	rato	ors									1-2P	FEAT	TURES	D
Models				SH	07D	SH	11D	SH	15D	SHT15D	SHT17D	SH20D	SHT	25D	Мо
Туре				R	LD	R	LD	R	D	R	S	LD	R	S	Ту
	Frequency	(Hz))	50	60	50	60	50	60	50	60	60	50	60	Fre
	Туре			Self-excit	ing, 2-pole	, Field Rot	ating Type	Self-excit	ing, 2-pole	, Field Rota	ating Type	Sefl-exciting, 4-p	oole, brushless, Fi	eld Rotating Type	
	Phase				Sin	gle		Sir	ngle	Th	ree	Single	Th	ree	
	Voltage Regu	ulation	System		A۱	/R				AVR					
Generator		d Power			.5		.0		12		5		20		
	AC (KVA		60Hz	6	.5	10	0.0	1	13		3.3		22		Ge
	Output Rat	ed Vo	oltage	220	120/240	220	120/240	220	120/240	Single Ph Three Ph	nase : 220 nase : 380	120/240	Single Ph Three Ph	ase : 220 ase : 380	
	Rated Power	Facto	r (cos)		1.	.0		1	.0	0	.8	1.0		.8	
	Maker			Kubota											
	Models			Z4	82	D7	722		D1	005			V2203-E	}	
Engine	Displacem	ent (CC)	4	79	7	19		10	001			2197		
	Maximum Hors	e Powe	er (PS)	8.1(3,6	00rpm)	12.2(3,	600rpm)		26(3,6	00rpm)		32.	2(1,800r	pm)	
	Starting Sy	/stem	ì					Ele	ectric Sta	rter					l I En
	LXWXH	(mm)	1066 x 6	18 x 698	1281 x 6	318 x 698		1474 x 6	98 x 869)	1660	X 690 X	(900] =''
	Dry Weigh			23	35		95						540		
	Fuel Tank Ca	_			2	-				3			72		
	Sound Lev		50Hz	66.5	-	68.0	-	68.0	-	68.0	-	-	66.0	-	
	[dB(A)/7m]	60Hz	-	67.5	-	69.0	-	71.0	-	71.0	72.0	-	71.0	
	Continuous		50Hz	15.6	-	11.2	-	10.8	-	11.8	-	-	17.6	-	
Others	Operating Hou	rs (hr)	60Hz	-	13.3	-	8.5	-	9.0	-	9.0	14.3	-	15.2	
	Volt Meter								YES					-0	
	Ampere M			N	0				ES		NO	YI	ES		
	Hour Meter				\/F	-0			YES	P	11 . /4	1111	`		
	Warning Lights					ES			ır	idicator i	Lints (4-0	condition	S)		
	Output				R: Plug S D: Plug S					cket x 2		Terminal & Terminal			Ot
	ATS Termin	nals							YES						

w w w . f a m c o c o r p . c o m

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Thermal Type Circuit Breaker **SHX Series**

Diese	l Ge	nerato	ors			1P 4	FEATURES		Owner's Manual
									Plug
Models				SHX	8000Di	SHX1	2000Di		Spark plug
Type				R	LD	R	LD		Wrench Tool kit
Frequen	cy (Hz))		50	60	50	60		Slow Blow Fuse
	Type			Perman	ent Magnet,	Multi-Pole	Alternator		Battery
	Phase	9			Sin	gle			Band hook for battery
	Voltag	e Regulati	on System		Inve	erter			Optional Equipment
	Wave	form			Pure Sir	ne wave			Electric Starter
Generator	Outout	Maximum p	power (kVA/kW)		7.5	1	1.0		4-wheel kit
	Output	Rated pow	er (kVA/kW)		7.0	1	0.2		
	Voltag	ge(V)		220	120/240	220	120/240		
	Curre	nt (A)		31.8	2 x 31.8-31.8	46.4	2 x 46.4-46.4		Standard Accessory
	Rated	Power F	actor (cos)		1.	.0		Owner's Manual	
	Make	r			YAN	MAR			Plug
	Mode			2TNV	70-ASG	3TNM	68-ASG		Spark plug
	Displa	acement	(L)	0.	.570	0.	784		Wrench
	Rated	output (I	kW/rpm)	9.3	/3600	13.8	3/3600		Tool kit
Engine	Engin	e speed(rpm)		2300 - 340	0, Variable	9		Slow Blow Fuse
	Startir	ng Syster	n		Electric	Starter			Battery
	Fuel	Fuel			Fuel (BS286	69A1or eq	uivalent)		Band hook for battery
	Batter	v (5HR)		12 - 36 (46B24L or 55B24L) 12 - 36 (46B24L)				Optional Equipment	
	LXW	XH (mm	٦)	1080 X 647 X 686					Electric Starter
	Dry W	leight (kg	1)	2	257	2	278		4-wheel kit
	Fuel T	ank Capa	acity	3	80.0	4	0.7		
	0		25% load	6	3.5	6	4.0		
		d Level	75% load	6	5.5	6	6.0		Standard Accessory
	[UD(A	.)/7m]	100% load	6	7.5	6	8.0		Owner's Manual
			25% load		1.1		1.6		Plug
Others	Fuel	umption	50% load		1.6	1	2.3		Spark plug
	(litres		75% load		2.2	(3.2		Wrench Tool kit
	(111163)	,	100% load	,	3.0	4	4.3		Slow Blow Fuse
	Volt N	leter			YE	S			Battery
	Hour	Meter			VEC /I FE	Diaplant			Band hook for battery
	Warni	ng Lights	3]	TES (LEL	Display)		Optional Equipment	
	Outpu	ut		R Type: Plug Socket x 3, LD Type: Plug Socket x 5					Electric Starter
	ATS T	erminal	(4)	B) -		ES			4-wheel kit
					el:0	۲۱–	۴٨	0 0	00 6 6

STANDARD Series ATS Generator Gasoline Generator 3P FEATURES 4P FEATURES **Gasoline Generators** R-type; 220V(50Hz), S-type; 220V(60Hz), L-type; 120V(60Hz) Self-Exciting, 2-pole, Field Rotating Type

AVR Voltage Regulation Systen (KVA) AC Output AC Output (KVA) Maximum Power (KVA) (KVA) Rated Voltage (V) DC Output (V-A)
Rated Power Factor (cos Maximum Output (PS) 3,600rpm Displacement (CC)
Maximum Output (PS) 3,600rpm Recoil 605 X 495 X 490

Dry Weight (kg) Fuel Tank Capacity (liters)

Sound Level [dB(A)/7m]

Continuous Operating Hours 50Hz

*1 : Only R,S type *2 : only Electric starter type

HEAVY DUTY Type	WEIDED Concretor
HEAVY DUTY Type	WELDER Generator

560 X 422 X 422

Sound Level [dB(A)/7m]

													11 0101110			
Gasoli	ne Gei	nerators							1-2P <	FEATURES	Gasoli	ne We	lder Generato	or	3-4P <	FEATURES
Models				SH1	1000	SHT ⁻	11500	SH1	3000	SHT15000	Models				SHW ⁻	90
Туре				R	LD	R	S	R	LD	R	Туре				R S	L
	Frequenc	cy (Hz)		50	60	50	60	50	60	50		Frequen	cy (Hz)		50	60
	Туре				Se	If-exciting,	2-pole, Field	Rotating Ty	/pe			Туре			2-pole, Field R	
		Regulation Syste	em			AVR						Phase			Single	
	Phase				gle		ree		ngle	Three	Generator			50Hz	2.0	-
Generator		Rated Power 50		8.5	-	10.0	-	10.0	-	12.0		Output	`	60Hz	- 3.0	
acriciator	AC		Hz	-	9.5	-	11.5	-	11.8	-		(KVA) Rated Voltage (V)			220	110
	Output		Hz	10.0	-	11.5	-	11.0	-	-			ower Factor (cos)		1.0	
	(KVA)	Power (KVA) 60		-	11.0	-	13.0	-	13.0	13.2		Type			2-pole, Field R	
	Rated Volt			220	120/240	220/380	220/380	220	120/240	220/380		Rectifier			Six Phase Half V	
	Rated Power Factor (cos)			1	.0		.8	1	1.0 0.8			Welder Rated Output 3,600rpm				
	Maker			Honda					Robin		Wolder		Control Range (A)		50 - 1	90
	Models				GX630				EH72-2DS	5			uty Cycle (%)		50	
1		Displacement (CC)			688				720			Welding	Rod		2.6 to 5.0	
Engine		Output (PS) 3,600rp	m		21	1.1			25.4			Maker			Hono	
	Ignition S						Transistor					Models			GX3	
	Oil Alert						YES				Engine		ement (CC)		389	<u> </u>
	Starting S						lectric Start						n Output (PS)	3,600rpm	13	
	LXWXI						x 636/804 (with wheel)				Ignition S			Transi	
	Dry Weight	without wheel				58			175			Oil Alert			YES	
	(kg)	with wheel	,		16	65	00	l	183			Starting			Recoil (OP	
		Capacity(liters					38	70.0	1	700		LXWX			679 X 511	X 490
Others	Sound Le		Hz Hz		7	4		76.0	70.0	76.0		Dry Weig			88	
	[dB(A)/7r)Hz	7.0	I	7.0	1	-	78.0	-	Other	ruei ian	k Capacity (liters)	FOL 1-	73	
	Continuo	g Hours (hr) 60		7.0	6.2	7.0	6.2	5.5	1 5	5.5	Others	Sound L	evel [dB(A)/7m]	50Hz 60Hz	73	
			iΠ2	-	0.2	_			- 4.5 -			0	0		6.2	
		Cooling System Engine Oil Refill Capacity (liters) 1.		Forced Air 1.8 (with filter replaced) / 1.5 (without filter replaced) 1.55L				lusive of thos	o in oil filtor)	Continuous (ous Operating Hours	60Hz	5.2		
	Engine Oll I	neiiii Capacity (liter	δ) l.	o (with fille)	replaced)/	i Juoninm) c. i	iller replaced	I I.SSL (INC	เนรเงย บา เทอร	se iii oli iliter)		(111)		DUMZ	5.2	

	Portable Gasol	line Generators	Gasoline Generators								
	SHX S	Series			EX S	Series			WELDER	ATS	
Standard Accessory	SHX1000	SHX2000	SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	SHW190	SH7000ATS	
Owner's Manual	0	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	0	
Wrench	0	0	0	0	0	0	0	0	0	0	
Tool kit	-	-	-	=	-	-	-	-	-	-	
Slow Blow Fuse	-	-	-	-	-	-	-	-	-	-	
Battery	-	-	-	=	-	-	-	-	-	0	
Band hook for battery	=	-	-	=	-	-	*2	*2	*2	0	
Optional Equipment	SHX1000	SHX2000	SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX	SHW190	SH7000ATS	
Electric Starter	-	-	-	=	-	-	0	0	0	STD	
4-wheel kit	-	-	-	=	0	0	0	0	0	0	

					Jasuille Gellelalui	8					
			STANDARD Series	;			HEAVY D	UTY 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		
				2:							
					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		

4-wheel kit	-	-	-	-	-	STD	STD	STD	STD
				Diesel G	enerators				
					OUTY 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	1	_	_	_	OPT	OPT	OPT	_	-

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)

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روبـروی پالایشگاه نفت پـارس، پلاک ۱۲