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 levels

- SPECIAL INVERTER for Pure Sine Wave Output

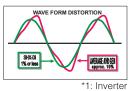
High quality, pure sine wave electrical output is ideal for sensitive equipment like PC and TVs.

- SAWAFUJI PMA (Permanent Magnet Alternator)

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.







*2: PMA



*3: Contorol Pane

SH07D (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.



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







Three Phase



Heavy Duty Diesel Type (12 - 22kVA)

SPEC 5P

SH15D (12 - 13kVA)



LINE UP SH15D/SHT15D/SHT17D



SHT25D (20 - 22kVA)

SH13000 (10 - 11.8kVA)



LINE UP SH20D/SHT25D

FEATURES

-High Performance Diesel Engine ^{*1}

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 Kubota V2203-B

- Brushless Alternator STAMFORD PI144D
- Control Panel *4
- Automatic Air Bleeding
- Safety System
- Large Capacity Fuel Tank
- One Side Maintenance
- ATS(AMF) Terminals

FEATURES

- Control Panel

Standard features:

Engine

10 kva









ĥP

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

5

- More Powerful Gasoline Engine

Easy to see and easy operation.

V-meter, Hour-meter, Pilot Lamp

LINE UP SH13000/SHT15000



SPEC



Three Phase



2





*2: Contorol Pamel

PRODUCTS

EX Series(2.2 - 6.5kVA)

Gasolin<u>e Generators</u>

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 ¹¹

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)



WELDER Generator (140A 26V) Gasoline Generators SPEC. 6P SHW190



- 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

FEATURES

- Honda OHV 4-stroke Engine

- Compact, Light Weight and Solid

- Saddle type Control Box with 2 AC Outlets

SPEC. 5P

SHX Series(900 - 1500W)

Portable Gasoline Generators

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

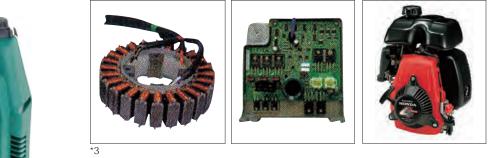
These models are especially easy to carry.

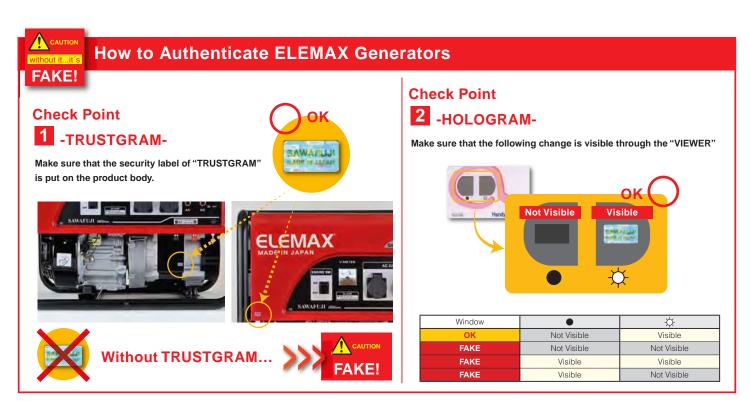
-Lower Sound Level(Silent and Power mode)

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.





1500 w

SPECIFICATIONS

EX Series Gasoline Generators

3P FEATURES

								U					
Models				SH3200EX	SH3900EX	SH4600EX	SH5300EX	SH6500EX	SH7600EX				
Туре				R-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 Syster	n				A							
1	Phase						gle						
		Rated Power (KVA)	50Hz	2.2	2.8	3.2	3.8	5.0	5.6				
Generator		Hated Fower (ICVA)	60Hz	2.5	3.2	3.8	4.4	5.6	6.5				
1	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;127/240(60Hz)									
	DC Output (V-A)			12V-8.3A									
	Rated Power Factor (cos	Ø)			1.0								
	Maker						nda						
	Models			GX160	GX200	GX240	GX270	GX340	GX390				
	Displacement (CC)			163	196	270	270	389	389				
Engine	Net Power (kW)	3,600rpm		3.6	4.1	5.9	6.3	8.0	8.7				
	Ignition System			Transistor CDI									
	Oil Alert System			YES									
	Starting System			Recoil Recoil(OP;Electric)									
	L x W x H (mm)			623 x 4	38 x 491			48 x 493	-				
	Dry Weight (kg)			44	46	63	68	75	78				
	Fuel Tank Capacity (litres))		64	17			28					
Others	Sound Level (dB) [dB(A)/	Sound Level (dB) [dB(A)/7m] (0% load) 50Hz 60Hz 60Hz			65	63	70	71	73				
					69	71	72	75	76				
	Continuous Operating Ho	Continuous Operating Hours (h) 50Hz 60Hz			10	14	12	10	8.5				
	Continuous Operating No				8.8	11	10	7.9	7.2				

SHX Series

Portab	le Gasoline	Generators							4	FEATURES		
Models				SHX	1000			SHX	2000			
Type			R	G	S	L	R	G	S	L		
	Frequency (Hz)		5	50	6	0	5	50	6	0		
	Engine Speed (r	rpm)		5800/4100(Power	Mode/Silent Mode)			45	500			
	Waveform		Square-Wave									
		Maximum Power (W)		10	00		1900	1700	19	00		
Generator	AC Output	Rated Power (W)			00				00			
		Rated Voltage (V)	220	230	220	120	220	230	220	120		
	DC Output						/ Automotive Batte					
			Maximum Charging Output = 8.3/4.2 A(Power Mode/Silent Mode) Maximum charging output = 8.3A									
	Insulation Class		B									
	Maker					Ho	nda					
Engine	Models				H50				100			
Lingino	Туре	:			4-stroke Gasoline				4-stroke Gasoline			
	Displacement (C	CC)			9.4				3.5			
	L x W x H (mm)				65 x 380		560 x 340 x 415					
	Dry Weight (kg)		13.6	14.0	13.6	13.6	21.0	22.0	21.0	21.0		
	Fuel Tank Capad				.8		7.7					
	Sound Level	[dB(A)/7m]		58 (50)			63 (50% load)					
		[dB Lwa]		89 (75)			93 (75% load)					
	Continuous Ope	erating Hours (h)	5.5 (100% load) 8.6 (50% load) 7 (100% load)									
Others	Pilot Lamp						ED					
	Power Indicator						ED ES					
	Oil Alert System Engine Stop			lotorio o u	with Evel Ceels	Ť	E0	Dealie	Switch			
		Output		Plug Socket x 1	vith Fuel Cock		I	Plug Socket x 2	SWILCH			
	AC	Protective Device		Thuy SOCKELX T		Contro	l Circuit	T TUY SUCKEL X Z				
		Output					ninal					
	DC	Protective Device					Circuit Breaker					
		T TOLECTIVE DEVICE	1			mennal type	Circuit breaker					

HEAVY DUTY Type

Diese	el Gei	nerato	ors									1-2P	FEAT	TURES
Models				SH)7D	SH	11D	SH	SH15D		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
	Туре					g, 2-pole,					Sefl-exciting, 4-p			
	Phase		Single				Sin	igle	Th		Single	Th	ree	
	Voltage I	Regulation			A۱						AVR			
Generator		Rated Power			.5		.0		2	1		-		20
	AC	(KVA)	60Hz	6	.5	1(0.0	1	3	16		19		2
	Output	Rated Vo	oltage	220	120/240	220	120/240	220	120/240	Single Ph Three Ph		120/240		ase : 220 ase : 380
	Rated Power Factor (cos ø		r (cos ø)		1.	.0		1	.0	0	8	1.0	0	.8
	Maker			Kubota										
	Models	Models		Z4	82	D7	722		D1	005			V2203-B	3
Engine	Displacement (CC)		4	79	7	19		10	01			2197		
	Maximum	Horse Powe	er (PS)	8.1(3,6	00rpm)	12.2(3,	600rpm)		26(3,6	00rpm)		32.2	2(1,800r)	pm)
	Starting	g System	I					Ele	ctric Sta	rter				
	L x W x H (mm)		1066 x 618 x 698 1281 x 618 x 698						98 x 869		1660) x 690 x	900	
		eight (Kg		235 290			387				540			
		k Capacity			28			53			72			
	Sound L		50Hz	66.5	-	68.0	-	69.5	-	69.5	-	-	68.0	-
] (100% load)		-	67.5	-	69.0	-	72.8	-	72.8	72.0	-	72.0
	Continuo		50Hz	12.0	-	8.5	-	10.8	-	11.1	-	-	17.6 *	-
Others		g Hours (h)	60Hz	-	10.0	-	7.0	-	9.0	-	9.5	14.3 *	-	15.2 *
	Volt Me							VEO	YES		-0	NO	1	-0
		e Meter			N	0		YES	NO YES	YE	-5	NO	YE	ES
	Hour N							diantari	. = =		e)			
	Output	ig Lights		F	R: Plug S D: Plug S	ocket x 2		uicator l		cket x 2	5)	Terminal & Socket	Tern	ninal
		rminals			D. Plug t	SUCKE(X	2		YES			SUCKEL		
	INIS IE	minais							IE9				*	75% load

SHX Series

Diese	l Ge	nerato	ors			1P 📢	EATURES			
Models					000Di		2000Di			
Туре				R	LD	R	LD			
Frequen	cy (Hz)			50	60	50	60			
	Туре			Permanent Magnet, Multi-Pole Alternator						
	Phase			Single						
			on System		Inve					
	Wave				Pure Sir					
Generator	Output		oower (kVA/kW)		.5		1.0			
			er (kVA/kW)	7	.0	1().2			
	Voltag			220	120/240	220	120/240			
	Curre			31.8	2 x 29.2-29.2	46.4	2 x 42.5-42.5			
			ctor (cos ø)		1.					
	Maker				YAN					
	Mode	-			0-ASG	3TNM68-ASG				
		acement			570		784			
Engine		output (I		9.3/3	3600		/3600			
LIIGIIIE		e speed(2300 - 340					
		ng Syster	n			Starter				
	Fuel			Diesel I	Fuel (BS286		ivalent)			
		y (5HR)		12 - 36 (46B24L)						
		x H (mm			47 x 686	70 x 770				
		leight (kg		25			278			
	Fuel T	ank Capa		29	9.0	4().7			
	Source	d Level	25% load		3.5	64.0				
	[dB(A		75% load		5.5		6.0			
	[00() (<i>",,</i> ,,,,	100% load		<i>.</i> 5		3.0			
	Fuel		25% load		.1		.6			
Others		umption	50% load		.6		.3			
	(litres)		75% load		.2		.2			
	· · ·		100% load	3	.0		.3			
	Volt M	leter			YE	S				
	Hour I				YES (LEC) Display)				
		ng Lights				,				
	Outpu			R Type: Plu	ig Socket x 3,		Socket x 6			
	ATS T	erminal			YE	S				

HEAVY DUTY Type

Gasoli	ne Generators	5							1-3	2P FEATURES		
Models				SH1 ⁻	1000	SHT	11500	SH13000		SHT15000		
Туре				R	LD	R	S	R	LD	R		
	Frequency (Hz)			50	60	50	60	50	60	50		
	Туре			Self-exciting, 2-pole, Field Rotating Type								
	Voltage Regulation S	System		AVR								
	Phase			Sin	gle		ree	Sin	gle	Three		
Generator		Rated Power (KVA)	50Hz	8.5	-	10.0	-	10.0	-	12.0		
			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					nda			Robin			
	Models					630			EH72-2DS			
	Displacement (CC)					38			720			
Engine	Net Power (kW)		3,600rpm	15.5 17.2								
	Ignition System			CDI								
	Oil Alert System			YES								
	Starting System			Electric Starter								
	L x W x H (mm)			925 x 665 x 636/804 (with wheel)								
	Dry Weight (kg)	without wheel				60		175	_			
		with wheel			10	67			183			
	Fuel Tank Capacity(I	iters)					38					
Others	Sound Level [dB(A)/	7m] (0% load)	50Hz		7	4		76.0	-	76.0		
0 1.10.0		(6,6,6,644)	60Hz		1			-	78.0	-		
	Continuous Operatin	Continuous Operating Hours (h) 5		7.0	-	7.0	-	5.5	-	5.5		
	60Hz			-	6.2	-	6.2	-	4.5	-		
	Cooling System						Forced Air					
	Engine Oil Refill Capacity	(liters)		1.8 (v	vith filter replaced) /	1.5 (without filter repla	aced)	1.55L (inclusive of those in	oil filter)		

STANDARD Series

plug

w Blow Fuse

Electric Starte 4-wheel kit

Optional Equipment

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STD

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STD

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STD

WELDER Generator 3-4P FEATURES

SHW190 S

220
 110
 1.0
 2.pole, Field Rotating Type
Six Phase Half Wave Rectifier
 140A 26V
 50 - 190
 50
 2.6 to 5.0 mm dia.
 Honda

Honda GX390

GX390 389 8.7 CDI YES Recoil (OP,Electric) 679 x 511 x 490 90 17

75 75 6.2 5.2

60 2-pole, Field Rotating Type Single

3.0 4.0 0 110

R 50

2.0

220

Gasoli	ne Gei	nerators						3P	FEATURES	Gasoli	ne Wel	lder Generato	r
Models					SH 1900	SH 290		SH 5000	SH 6000	Models			
Туре					R-type; 2	220V(50Hz)	, S-type; 220V(6	0Hz), L-type; 12	20V(60Hz)	Туре			
	Frequer	ncy (Hz)					50, 60				Frequence	cy (Hz)	
	Туре					Self-Excit	ing, 2-pole, Field		Туре				
		Regulation Sys	stem				AVR		Phase				
	Phase						Single			Generator	AC	Rated Power (K)/A	50Hz
Generator		Rated Power		50Hz	1.3	2.0	2.7	3.2	4.0		Output		60Hz
Generator	AC	(KVA)		60Hz	1.5	2.3	3.0	3.6	4.5		(KVÅ)		
	Output	Maximum Pc	ower	50Hz	1.6	2.4	3.7	4.5	5.5		Rated Po	ower Factor (cos ø)	
	(KVA)	(KVA)		60Hz	1.9	2.9	4.1	5.0	6.0		Туре		
		Rated Voltag	e (V)				220,120				Rectifier	Туре	
	Rated P	ower Factor (c	os ø)				1.0			Welder	Rated O	utput	3,700rpm
	Maker						Honda			weidei	Current Control Range (A)		
	Models		GX120 GX160 GX240 GX270 GX340 Rated Duty Cycle (%) 118 163 270 270 389 Welding Rod										
	Displace	ement (CC)			118	163	270	270	389		Rated Duty Cycle (%) Welding Rod Maker Models		
Engine	Net Pow	ver (kW)	3,60	0rpm	2.6	3.6	5.9	6.3	8.0				
	Ignition	System			Trans	sistor		CDI					
	Oil Alert	System					YES				Displace	All Rated Power (KVA) Rated Voltage (V) ed Power Factor (cos ø) e ed Output 3 rent Control Range (A) ed Duty Cycle (%) Iding Rod Ker del Suty Cycle (%) Iding Rod Ker dels placement (CC) Power (KW) 3 Hank Capacity (liters) Ind Level (A)/Tm] (0% load) htinuous Operating Hours (AC 100%)	
	Starting	System					Recoil			Engine	Net Powe		3,600rpm
	L×W×	H (mm)			560 x 42	22 x 422	605 x	495 x 490	655 x 511 x 490	-	Ignition S	System	· · ·
	Dry Wei	ght (kg)			29	34	51	54	65		Oil Alert	System	
	Fuel Tar	nk Capacity (lite	ers)		2.5	3.6	6.0	6.0	7.0		Starting	System	
Others	Sound L	_evel		50Hz	69	70	72	72	73		L×W×F	l (mm)	
	[dB(A)/7	7m] (0% load)		60Hz	71	72	74	75	76		Dry Weig	ght (kg)	
	Continu	ous Operating		50Hz	3.1	3.0	3.6	3.0	2.8		Fuel Tanl	< Capacity (liters)	
	Hours (h			60Hz	2.1	2.5	3.1	2.7	2.3	Others	Sound Le	evel	50Hz
				·							[dB(A)/7	m] (0% load)	60Hz
													50Hz
											(h) (AC 1	00%)	60Hz
		_											·
*1 : Only R,S *2 : only Elect			Por		oline Generate	ors					ne Genera	tors	
· ·			0		Series	0	SH3200EX	CLIDDODEY	0140005	EX Series	H5300EX	SH6500EX	0
Standard	ACCESS0	ry	SH	X1000	SHX200	0	SH32UUEX	SH3900EX	SH4600E	. 5	HOJUUEX	SH6500EX	SH7

*2 : only Electric starter type	SHX S	Series			EX S	eries			WELDER
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				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
	-								
					enerators				
				HEAVY D	UTY 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

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STD

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STD OPT

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STD OPT

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STD OPT Specifications are subject to change without notice. 6

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