

**HG-113/133** VERTICAL AUTOCLAVE  
**HGS-113/133** WITH STEAM GENERATOR  
**HGD-113/133** WITH VACUUM PUMP&DRY

- *Just press one button and the lid will automatically open / close.*
- *New Body Design with larger diameter chamber (500 mm).*
- *The HGS/HGD series with separate steam generator, and vacuum pump & dry (HGD).*
- *USB connectors (option).*



HG-113

HGD-133



STERILIZING  
SIMPLY AND WELL

**HIRAYAMA**

## ■ SPECIFICATIONS

Model	HG-113	HGS-113	HGD-113	HG-133	HGS-133	HGD-133	
Dimensions (WxHxD mm)	686 x 930 x 870			686 x 1034 x 870			
Chamber size (mm)	Dia. 500 x 552H	Dia. 500 x 576H		Dia. 500 x 656H	Dia. 500 x 680H		
Chamber volume	131.7Liter	132.9Liter		152.1Liter	153.3Liter		
Effective capacity	108Liter	113Liter		129Liter	133Liter		
Net weight	137kg	153kg	184kg	145kg	161kg	192kg	
Chamber material	Stainless steel (SUS304)						
Max. usage pressure	0.25MPa						
Power source	AC380V / 400V / 415V, 50/60Hz, Three-phase						
Power consumption	5.2kW (AC380V) 5.8kW (AC400V) 6.2kW (AC415V)	6.2kW (AC380V) 6.8kW (AC400V) 7.4kW (AC415V)		5.2kW (AC380V) 5.8kW (AC400V) 6.2kW (AC415V)	6.5kW (AC380V) 7.1kW (AC400V) 7.7kW (AC415V)		
Cycle selection	Liquid, Agar, Solid, and Dissolution cycle		Fabric, Solid, Liquid and Agar cycle	Liquid, Agar, Solid, and Dissolution cycle		Fabric, Solid, Liquid and Agar cycle	
Program	12 programs (Arbitrary setting with 3 programs for each cycle)						
Details of setting	Operating temp. range	105~135°C					
	Sterilization timer	1~300 min. Remaining time display method					
	Culture media dissolution temp. range	60~100°C		60~104°C	60~100°C		60~104°C
	Dissolution timer	1~60 min. Remaining time display method		1~300 min. Remaining time display method	1~60 min. Remaining time display method		1~300 min. Remaining time display method
	Warming temperature range	45~60°C (24-hr fixed)					
	Drying timer	—		1~99 min. Remaining time display method	—		1~99 min. Remaining time display method
	Exhaust level	Four(4) steps from 0~3					
	Fan cooling	ON/OFF	—		ON/OFF	—	
	Water cooling	—	ON/OFF		—	ON/OFF	
	Function setting	Reservation timer	1 min.~7 days				
Lid opening temperature		Can be preselected from 60~95°C, but depend on cycle selection (solid~97°C)					
Air removal time		6~12 min.					
Steam generator inside cleaning		—	Equipped		—	Equipped	
Digital thermometer		5.0~137.9°C					
Pressure / Compound gauge		0~0.4MPa		-0.1~0.4MPa	0~0.4MPa		-0.1~0.4MPa
Temperature sensor		Pt 100Ω sensor					
Pre-heating		—	Equipped		—	Equipped	
Safety device / Warning alarm		Electric leakage breaker, Pressure safety valve Error display (Breakage of sensor wire, Overheating, Overpressure, Lid locking / Exhaust valve / Heater trouble, Power failure)					
		Low water cut off device, Low water error	Overheat prevention device, Generator overheat error, Water feed error	Overheat prevention device, Generator overheat error, Vacuum pump error, Water feed error	Low water cut off device, Low water error	Overheat prevention device, Generator overheat error, Water feed error	Overheat prevention device, Generator overheat error, Vacuum pump error, Water feed error
Separate steam generator	—	Equipped		—	Equipped		
Water supply	Manual	Automatic		Manual	Automatic		
Option	Auto-water feeder	—		Auto-water feeder	—		
Caster	Mounted			Mounted			
Supplied accessories	Bottom plate, SS. Wire baskets (2pcs.)						
	Drain bottle	—		Drain bottle	—		
Optional accessories	USB ports for interface / flash memory, Floating sensor, Printer, Recorder			USB ports for interface / flash memory, Floating sensor, Printer, Recorder			

Specifications and appearance are subject to change without notice due to continuous product improvement.



Manufacturer :  
**HIRAYAMA** Manufacturing Corp.

Distributor :

Manufactured under  
ISO 9001 / 13485 / 14001

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