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- / Vortex mixers
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- / Temperature & Humidity Chambers
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# INCUBATORS

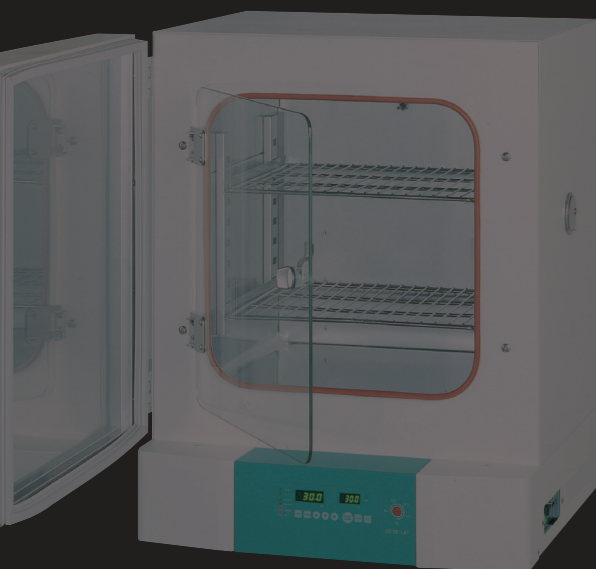
# Best Products for Reliable Results

**JEIO TECH** was established in 1988 with the goal of delivering the best laboratory equipments for the reliable results. We always strive to develop high technology with ergonomic design for better products. We are eager to take on new challenges in developing a product the best suits you!

Our reliable instruments will offer you analytical solutions in the field of biology, chemistry, medicine, pharmacology and so forth. We are driven by innovation and our extensive product lines are at the cutting-edge globally in both scientific and industrial research instrument markets.

While continuously focusing on human resources and technology, development, we strive to make a significant difference in various research areas. our top priority is to provide the world's best products and services through outstanding quality and customer satisfaction at affordable prices.

We hope you enjoy the discovery of Jeio Tech and it's products.



## Contents

### INCUBATORS

Amb. +3 to 60°C ..... IB-01E<sub>(65L)</sub> / IB-11E<sub>(150L)</sub> / IB-21E<sub>(205L)</sub>  
 Amb. +5 to 70°C ..... IB-05G<sub>(60L)</sub> / IB-15G<sub>(102L)</sub> / IB-25G<sub>(151L)</sub>  
 Amb. +5 to 70°C ..... IB-02G-2C<sub>(120L)</sub> / IB-02G-4C<sub>(240L)</sub>



### INCUBATORS with refrigerator

0 to 60°C ..... IL-11<sub>(150L)</sub> / IL-21<sub>(244L)</sub>  
 4 to 60°C ..... IL-11A<sub>(162L)</sub> / IL-21A<sub>(254L)</sub>  
 0 to 60°C ..... IL-11-2C<sub>(300L)</sub> / IL-11-4C<sub>(600L)</sub>



### INCUBATED SHAKERS

Amb. +5 to 60°C ..... SI-300<sub>(53L)</sub> / SI-600<sub>(83L)</sub>  
 ..... IS-971<sub>(270L)</sub>  
 Amb. +5 to 80°C ..... SIF-5000<sub>(80L)</sub> / SIF-6000<sub>(150L)</sub>



### INCUBATED SHAKERS with refrigerator

15 to 60°C ..... SI-300R<sub>(53L)</sub> / SI-600R<sub>(83L)</sub>  
 4 or Amb. -15 to 60°C ..... IS-971R<sub>(270L)</sub> / IS-971RF<sub>(270L)</sub>  
 Amb. -20 to 80°C ..... SIF-5000R<sub>(80L)</sub> / SIF-6000R<sub>(150L)</sub>

### PERSONAL INCUBATORS

10 to 40°C at ambient temp. of 25°C  
 ..... ILP-02<sub>(14L)</sub> / ILP-12<sub>(48L)</sub>

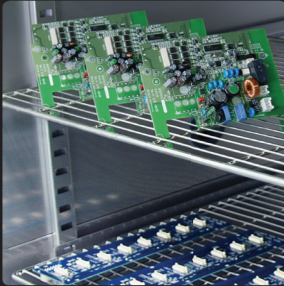


### HYBRIDIZATION OVEN

Amb. +5 to 65°C  
 ..... HO-10<sub>(10L)</sub>

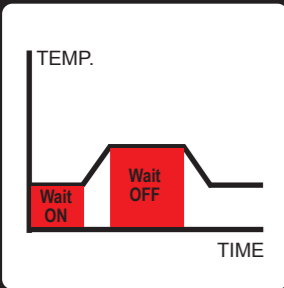


Precision



Microprocessor PID control  
Simple calibration and Auto tuning function

Multi function



Protection against overheating by  
automatic power cutoff from  
the heater and controller in sequence

Two separate fuses for  
protecting against overcurrent

Open door alert

Delayed ON/OFF digital timer  
from 1 min to 99 hr 59 min

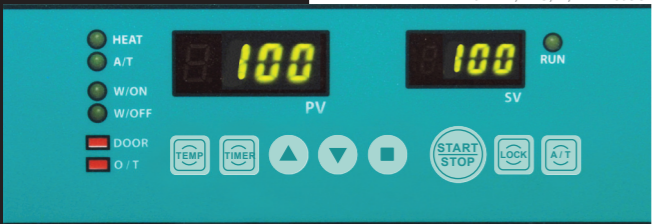
PC control



Bright LED display and splash-proof  
and easy to clean keypad

RS-232 Communication Interface  
(except for HO-10, IB-E models)

Digital Display



Safety



Bright Display



Stainless steel chamber



Grade 304 stainless steel chamber interior  
Dirt-repellent external surface with power coating

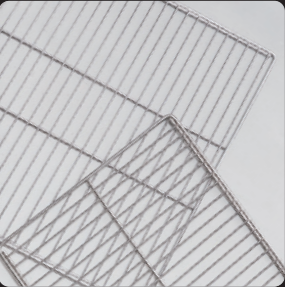
Air-tight door gasket



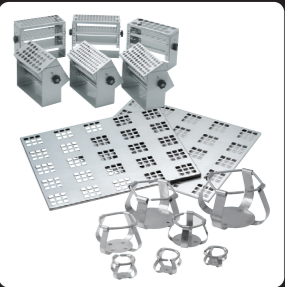
Perfectly sealed door gasket  
minimizing heat loss

Adjustable and electropolished  
stainless steel wire shelves allowing  
efficient airflow and easy cleaning  
(except for SI, IS, HO models)

Wire shelves



Various accessories



Wide selection of accessories  
can be equipped with each models



Incubators

IB-01E/11E/21E (Amb. +3 to 60°C)



Affordable yet exceptionally reliable incubators featuring film type heaters



Model		IB-01E	IB-11E	IB-21E
Chamber Volume (L / cu ft)		65 / 2.3	150 / 5.3	205 / 7.2
Temperature	Range (°C / °F)	Amb. +3 to 60 / Amb. +5.4 to 140		
	Fluctuation <sup>1)</sup> at 37°C (±°C / °F)	0.2 / 0.36	0.3 / 0.54	0.1 / 0.18
	Variation <sup>1)</sup> at 37°C (±°C / °F)	0.6 / 1.08	0.8 / 1.44	1.1 / 1.98
Dimension (W×D×H)	Interior (mm / inch)	423×355×445 16.7×14×17.5	500×515×585 19.7×20.3×23	623×515×630 24.5×20.3×24.8
	Exterior (mm / inch)	533×475×725 21×18.7×28.5	595×630×865 23.5×24.8×34	740×630×910 29.1×24.8×35.8
	Net Weight (Kg / lbs)	33 / 72.8	47 / 103.6	57 / 125.7
Electrical Requirements (230V, 50 / 60 Hz)		1.1A	2.2A	2.4A
Cat. No.		AAH26015K	AAH26025K	AAH26035K
Electrical Requirements (120V, 50 / 60 Hz)		2.1A	4.2A	4.6A
Cat. No.		AAH26016U	AAH26026U	AAH26036U

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Vibration-free design ideal for yeast cultivation

Compact and lightweight design with completely sealed gasket

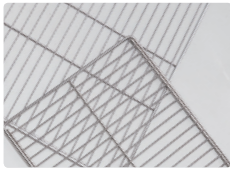
Stackable up to 2 units using the optional stacking kit

Convenient sample monitoring without affecting chamber temperature via the inner tempered-glass door

Detachable shelves and round-cornered chamber interior allowing easy cleaning

Two wire shelves are provided as standard accessories

STANDARD



- Wire Shelves for IB-01E (EDA8136) for IB-11E (EDA8220) for IB-21E (EDA8219)

OPTIONAL

- Perforated Shelves for IB-01E (AAA12531) for IB-11E (AAA22522) for IB-21E (AAA22521)
- Stacking Kits for IB-01E (AAA26501) for IB-11E (AAA26502) for IB-21E (AAA26503)

Incubators

IB-05G/15G/25G (Amb. +5 to 70°C)



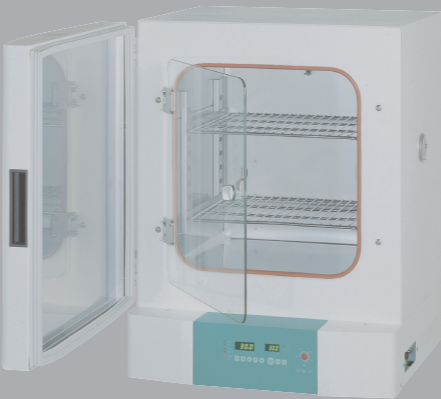
Air-jacketed natural convection

Minimal sample contamination caused by external air intrusion



Model		IB-05G	IB-15G	IB-25G
Chamber Volume (L / cu ft)		60 / 2.1	102 / 3.6	151 / 5.3
Temperature	Range (°C / °F)	Amb. +5 to 70 / Amb. +9 to 158		
	Fluctuation <sup>1)</sup> at 37°C (±°C / °F)	0.1 / 0.18	0.1 / 0.18	0.2 / 0.36
	Variation <sup>1)</sup> at 37°C (±°C / °F)	0.6 / 1.08	0.2 / 0.36	0.6 / 1.08
Dimension (W×D×H)	Interior (mm / inch)	400×360×420 15.7×14.2×16.5	480×410×520 18.9×16.1×20.5	610×460×540 24×18×21.3
	Exterior (mm / inch)	595×555×745 23×22×29	657×605×855 27×24×34	805×655×885 32×26×35
	Net Weight (Kg / lbs)	45 / 99	55 / 121	62 / 136
Electrical Requirements (230V, 50 / 60 Hz)		1.3A	2.2A	3.1A
Cat. No.		AAH21162K	AAH21172K	AAH21182K
Electrical Requirements (120V, 50 / 60 Hz)		2.8A	4.6A	6.4A
Cat. No.		AAH21166U	AAH21176U	AAH21186U

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

RS-232 interface

Fully insulated dual-wall door with magnetic rubber gasket

Vibration-free design ideal for yeast cultivation

Compact and lightweight design with completely sealed gasket

Stackable up to 2 units using the optional stacking kit

Convenient sample monitoring without affecting chamber temperature via the inner tempered-glass door

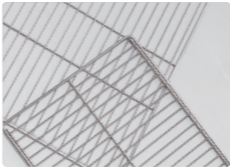
Detachable shelves and round-cornered chamber interior allowing easy cleaning

Durable incoloy heating element with radiator fan for efficient heat dissipation

Built-in cable port to use other instruments inside the chamber

Two wire shelves are provided as standard accessories

STANDARD



- Wire Shelves for IB-05G (EDA8136) for IB-15G (EDA8135) for IB-25G (EDA8137)

OPTIONAL

- Perforated Shelves for IB-05G (AAA12531) for IB-15G (AAA12532) for IB-25G (AAA12535)
- Stacking Kits for IB-05G (AAA21521) for IB-15G (AAA21522) for IB-25G (AAA21523)

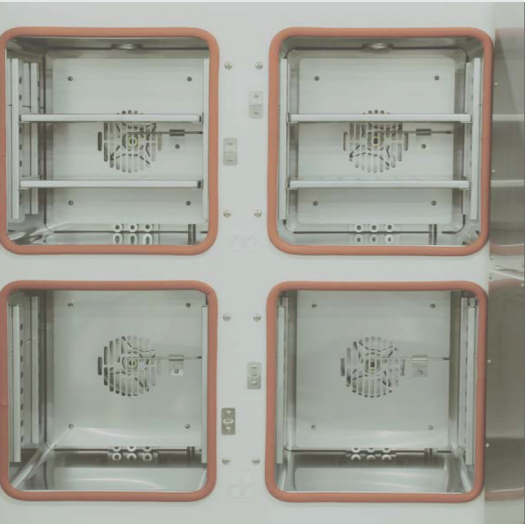
Incubators (2 & 4-chambers)

Featuring two or four 60L forced convection incubators in a single unit, this incubator is designed to offer an ideal solution for laboratories with limited space



Model		IB-02G-2C	IB-02G-4C
Chamber Volume (L / cu ft)		60 / 2.1 x 2 Chambers	60 / 2.1 x 4 Chambers
Temperature	Range (°C / °F)	Amb. +5 to 70 / Amb. +9 to 158	
	Fluctuation <sup>1)</sup> at 37 °C (±°C / °F)	0.2 / 0.36	
	Variation <sup>1)</sup> at 37 °C (±°C / °F)	0.5 / 0.9	
Dimension (W×D×H)	Interior (mm / inch)	400×360×420 / 15.7×14.2×16.5 x 2 Chambers	400×360×420 / 15.7×14.2×16.5 x 4 Chambers
	Exterior (mm / inch)	570×640×1340 / 22.4×25.2×52.8	1170×640×1340 / 46.1×25.2×52.8
	Net Weight (Kg / lbs)	110 / 242.5	170 / 374.8
Electrical Requirements (230V, 50 / 60Hz)		4.1A	4.1A x 2EA
Cat. No.		AAH2A115K	AAH2A015K
Electrical Requirements (120V, 50 / 60Hz)		7.5A	7.5A x 2EA
Cat. No.		AAH2A116U	AAH2A016U

1) Technical data according to DIN 12880.



Forced Convection

Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Two or four independently controlled 60L incubators merged into a single unit for space saving

Rounded inner chamber corners for easy cleaning and optimal airflow

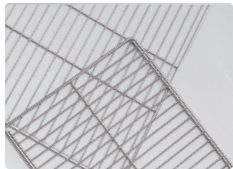
Corrosion-resistant incoloy sheath heating element and stainless steel interior

Built-in cable port to use other instruments inside the chamber

Built-in casters for easy transport

Wire shelves are provided as standard accessories (two per a chamber)

STANDARD



• Wire Shelves (EDA8136)

OPTIONAL



• Perforated Shelves (AAA12531)

Low temperature incubation performance using a noiseless HBP compressor cooling system



Model		IL-11		IL-21	
Chamber Volume (L / cu ft)		150 / 5.32		244 / 8.6	
Refrigerator (Hp)		1 / 8 HBP		1 / 6 HBP	
Temperature	Range (°C / °F)	0 to 60 / +32 to 140			
	Fluctuation <sup>1)</sup> at 25°C (±°C / °F)	0.1 / 0.18			
	Variation <sup>1)</sup> at 25°C (±°C / °F)	0.5 / 0.9		0.4 / 0.72	
Dimension (W×D×H)	Interior (mm / inch)	600×500×500 24×20×20		500×520×940 20×20.5×37	
	Exterior (mm / inch)	735×742×1010 28.9×29×40		635×740×1630 25×29×64	
	Net Weight (Kg / lbs)	100 / 220		135 / 297	
Electrical Requirements (230V)		60Hz, 4.5A	50Hz, 4.5A	60Hz, 6.4A	50Hz, 6.4A
Cat. No.		AAH22041K	AAH22042K	AAH22051K	AAH22052K
Electrical Requirements (120V)		60Hz, 8.3A		60Hz, 10.6A	
Cat. No.		AAH22046U		AAH22056U	

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Up to 9 temperature steps and maximum 200 cycles of repetition programmable for each profile

Adjustable three-step fan speed with defrosting time and period control

RS-232 interface

Forced air convection using an optimal cross flow fan for chamber temp. uniformity

Large chamber volume: maximum 244L (8.6 cu ft)

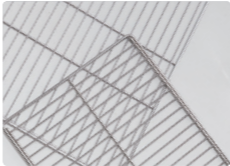
Built-in electrical outlet with a safety cover inside the chamber

Convenient sample monitoring without affecting chamber temperature via the inner tempered-glass door

Detachable shelves and round-cornered chamber interior allowing easy cleaning

Wire shelves are provided as standard accessories (two for IL-11, three for IL-21)

STANDARD



• Wire Shelves for IL-11 (EDA8219) for IL-21 (EDA8220)

OPTIONAL



• Perforated Shelves for IL-11 (AAA22521) for IL-21 (AAA22522)

Incubators with refrigerator(air-jacketed)  
IL-11A/21A (Amb. +4 to 60°C)



Low temp. incubation performance  
using a noiseless HBP  
compressor cooling system

Minimal sample contamination  
caused by external air intrusion



Model		IL-11A	IL-21A
Chamber Volume (L / cu ft)		162 / 5.7	254 / 9
Refrigerator (Hp)		1 / 6 HBP	1 / 4 HBP
Temperature	Range (°C / °F)	Amb. +4 to 60 / +39.2 to 140	
	Fluctuation <sup>1)</sup> at 25°C (±°C / °F)	0.2 / 0.36	
	Variation <sup>1)</sup> at 25°C (±°C / °F)	0.5 / 0.9	
Dimension (W×D×H)	Interior (mm / inch)	600×540×500 24×21.3×20	500×540×940 20×21.3×37
	Exterior (mm / inch)	770×772×1060 30×30×42	670×760×1680 26×30×66
	Net Weight (Kg / lbs)	108 / 238.1	145 / 319.7
Electrical Requirements (230V)		60Hz, 6.9A	50Hz, 6.9A
Cat. No.		AAH22061K	AAH22062K
Electrical Requirements (120V)		60Hz, 10.2A	60Hz, 12.3A
Cat. No.		AAH22063U	AAH22073U

1) Technical data according to DIN 12880.

Microprocessor PID control

Simple calibration and  
auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and maximum 200 cycles of  
repetition programmable  
for each profile

Adjustable three-step fan  
speed with defrosting time  
and period control

RS-232 interface

Natural convection within  
the chamber induced by  
the heater and the fan  
located inside the air jacket

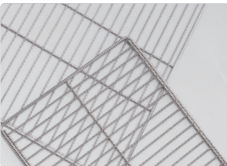
Built-in electrical outlet with  
a safety cover inside  
the chamber

Convenient sample monitoring  
without affecting chamber  
temperature via the inner  
tempered-glass door

Detachable shelves and  
round-cornered chamber  
interior allowing easy cleaning

Wire shelves are provided  
as standard accessories  
(two for IL-11A, three for IL-21A)

STANDARD



• Wire Shelves  
for IL-11A (EDA8219)  
for IL-21A (EDA8220)

OPTIONAL



• Perforated Shelves  
for IL-11A (AAA22521)  
for IL-21A (AAA22522)

Incubators with refrigerator  
IL-11-2C, IL-11-4C (0 to 60°C)



Incubators with refrigerator(2 & 4-chambers)

Featuring two or four incubation  
chambers in a single unit, this  
incubator is designed to offer an  
ideal solution for laboratories  
with limited space



Model		IL-11-2C	IL-11-4C
Chamber Volume (L / cu ft)		150 / 5.3 x 2 Chambers	150 / 5.3 x 4 Chambers
Refrigerator (Hp)		1/8 HBP x 2EA	1/8 HBP x 4EA
Temperature	Range (°C / °F)	0 to 60°C / +32 to 140°F	
	Fluctuation <sup>1)</sup> at 25°C (±°C / °F)	0.1 / 0.18	
	Variation <sup>1)</sup> at 25°C (±°C / °F)	0.5 / 0.9	
Dimension (W×D×H)	Interior (mm / inch)	600x500x500 / 23.6x19.7x19.7 x 2 Chambers	600x500x500 / 23.6x19.7x19.7 x 4 Chambers
	Exterior (mm / inch)	760x760x1690 / 29.9x29.9x66.1	1500x760x1690 / 59.1x29.9x66.1
	Net Weight (Kg / lbs)	180 / 397	350 / 772
Electrical Requirements (230V, 60Hz)		9A	9A x 2EA
Cat. No.		AAH28111K	AAH28011K
Electrical Requirements (230V, 50Hz)		9A	9A x 2EA
Cat. No.		AAH28112K	AAH28012K
Electrical Requirements (120V, 60Hz)		16.5A	16.5A x 2EA
Cat. No.		AAH28113U	AAH28013U

1) Technical data according to DIN 12880.



Independent temperature and  
timer control of each chamber  
using microprocessor PID

Simple calibration and  
auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and maximum 200 cycles of  
repetition programmable  
for each profile

Adjustable three-step fan  
speed with defrosting time  
and period control

RS-232 interface

Two or four independently  
controlled 150L chambers  
(same as IL-11) merged into  
a single unit for space saving

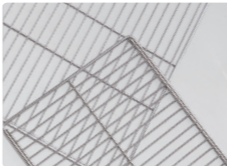
Convenient sample monitoring  
without affecting chamber  
temperature via the inner  
tempered-glass door

Detachable shelves and  
round-cornered chamber  
interior allowing easy cleaning

Built-in casters for easy  
transport and installation

Wire shelves are provided  
as standard accessories  
(two per a chamber)

STANDARD



• Wire Shelves (EDA8219)

OPTIONAL



• Perforated Shelves (AAA22521)

Incubated Shakers

SI-300/600 (Amb. +5 to 60°C)

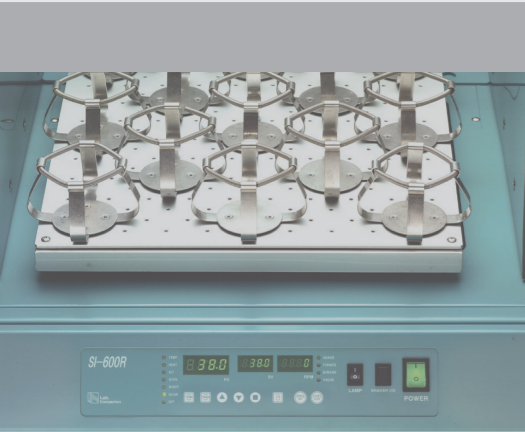


Benchtop incubators  
with a dual-action shaker



Model		SI-300	SI-600
Temperature	Range (°C / °F)	Amb. +5 to 60(Amb. +9 to 140)	
	Fluctuation <sup>1)</sup> at 37°C (±C / °F)	0.3 / 0.54	0.1 / 0.18
	Variation <sup>1)</sup> at 37°C (±C / °F)	1.6 / 2.88	0.7 / 1.26
Shaking System	Motion Type	Orbital or Reciprocating motion selectable	
	Speed Range (RPM)	10 to 300 <sup>2)</sup>	
	Timer	Run time: 10 sec to 999 hr 59 min 59 sec Forward & Backward, Pause: 10 sec to 59 min 59 sec	
	Amplitude Size (mm / inch, dia.)	20, 30, 40 / 0.8, 1.2, 1.6 Available – Standard 30 / 1.2	
	Recip Stroke Length (mm / inch)	20, 30, 40 / 0.8, 1.2, 1.6 Available – Standard 30 / 1.2	
Dimension	Volume (L / cu ft)	53 / 1.9	83 / 2.9
	Platform (W×D) (mm / inch)	350×350 / 13.8×13.8	450×450 / 17.7×17.7
	Internal (W×D×H) (mm / inch)	410×410×320 / 16.1×16.1×12.6	510×510×320 / 20.1×20.1×12.6
	Overall (W×D×H) (mm / inch)	442×740×622 / 17.4×29.1×24.5	542×850×622 / 21.4×33.5×24.5
	Net Weight (Kg / lbs)	74 / 163	91 / 200
Electrical Requirements (230V)		60Hz, 4A	50Hz, 4A
Cat. No.		AAH23101K	AAH23102K
Electrical Requirements (120V)		50/60Hz, 7.5A	50/60Hz, 7.5A
Cat. No.		AAH23106U	AAH23206U

1) Technical data according to DIN 12880.  
2) No load speed



Dual shaking modes  
(orbital or reciprocating mode selectable)

Programmable shaking control  
(Forward & Backward, Pause)

Microprocessor PID control

Simple calibration and  
auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and maximum 200 cycles  
of repetition programmable  
for each profile

Adjustable 3-step fan speed  
with defrosting time and  
period control

RS-232 interface

Maintenance-free and  
durable BLDC motor

High-velocity fan ensuring  
uniform temperature  
distribution and rapid  
thermal recovery

Convenient sample monitoring  
thanks to the transparent acryl  
lid and the fluorescent lamp

Gas spring lid supports  
providing soft closing,  
smooth motion, and stopping.

OPTIONAL

- Universal / Dedicated Platforms, Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks
- Microplate Holders (three styles)
- Lab Sticker

For further information of optional accessories,  
Please visit [www.jeiotech.com](http://www.jeiotech.com)

Incubated Shakers

IS-971 (Amb. +5 to 60°C)



Large capacity and heavy  
workload shaking with rapid  
heating performance



Model		IS-971
Temperature	Range (°C / °F)	Amb. +5 to 60 / Amb. +9 to 140
	Fluctuation <sup>1)</sup> at 37°C (±°C / °F)	0.2 / 0.36
	Variation <sup>1)</sup> at 37°C (±°C / °F)	0.8 / 1.44
Shaking System	Motion Type	Orbital or Reciprocating motion selectable
	Speed Range (RPM)	10 to 300 <sup>2)</sup>
	Timer	Run time: 10 sec to 999 hr 59 min 59 sec Forward & Backward, Pause: 10 sec to 59 min 59 sec
	Amplitude Size (mm / inch, dia.)	30, 40, 50, 60, 70 / 1.2, 1.6, 2, 2.4, 2.8 Available – Standard 30 / 1.2
Dimension	Recip Stroke Length (mm / inch)	30, 40, 50, 60, 70 / 1.2, 1.6, 2, 2.4, 2.8 Available – Standard 30 / 1.2
	Volume (L / cu ft)	270 / 9.5
	Platform (W×D) (mm / inch)	755×481 / 29.7×18.9
	Internal (W×D×H) (mm / inch)	894×634×480 / 35.2×25×18.9
Electrical Requirements (230V)	Cat. No.	50/60Hz, 5.2A
	Electrical Requirements (120V)	60Hz, 11.2A
	Cat. No.	AAH23306K

1) Technical data according to DIN 12880.  
2) No load speed



Dual shaking modes  
(orbital or reciprocating mode selectable)

Programmable shaking motion  
(Forward & Backward, Pause)

Microprocessor PID control

Simple calibration and  
auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

Maintenance-free and  
durable BLDC motor

High-velocity fan ensuring  
uniform temperature distribution  
and rapid thermal recovery

Gas spring lid supports  
providing soft closing,  
smooth motion, and stopping

Built-in casters for easy transport

Lockable lid for added safety

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and max. 200 cycles of repetition  
programmable for each profile

Adjustable 3-step fan speed  
with defrosting time and  
period control

RS-232 interface

OPTIONAL

- Universal / Dedicated Platforms, Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks
- Microplate Holders (three styles)
- Lab Sticker

For further information of optional accessories,  
Please visit [www.jeiotech.com](http://www.jeiotech.com)

Incubated Shakers

SIF-5000/6000 (Amb. +5 to 80°C)



Wide range of temperature control  
Large chamber volume



Model		SIF-5000	SIF-6000
Temperature <sup>1)</sup>	Range (°C / °F)	Amb.+5 to 80 (Amb. +41 to 176)	
	Fluctuation at 37°C (±°C / °F)	0.1 / 0.18	
	Variation at 37°C (±°C / °F)	1.0 / 1.8	
Shaking System	Motion Type	Orbital or Reciprocating motion(Default : Orbital motion)	
	Speed Range (RPM)	10 to 300 <sup>2)</sup> (Stackable Top :10 to 250)*	
	Timer	Run time(10sec ~ 999hr 59min 59sec) Pause, Forward, Backward (10sec ~ 59min 59sec)	
	Amplitude Size (mm / inch, dia.)	19, 25 / 0.75, 1 Available – Standard 19 / 0.75	
Dimension	Recip Stroke Length (mm / inch)	25, 38 / 1, 1.5 Available - Standard 25 / 1	
	Volume (L / cu ft)	80 / 2.8	150 / 5.3
	Platform (W×D, mm / inch)	350×350 / 13.8×13.8	450×450 / 17.7×17.7
	Interior (W×D×H, mm / inch)	440×440×418 / 17.3×17.3×16.5	540×540×518 / 21.3×21.3×20.4
	Exterior (W×D×H, mm / inch)	570×815×900 / 22.4×32.1×35.4	670×895×980 / 26.4×35.2×38.6
	Shelves (Standard / Max)	2 / 8	2 / 11
Electrical Requirements (230V)		60Hz, 4A	50Hz, 4A
Cat. No.		AAH27021K	AAH27022K
Electrical Requirements (120V)		50/60Hz, 11.1A	50/60Hz, 11.2A
Cat. No.		AAH27026U	AAH27016U

★ If two products are stacked up, the upper one's shaking speed range is from 10 to 250 rpm

1) Technical data according to DIN 12880.

2) No load speed



Dual shaking modes  
(orbital or reciprocating mode selectable)

Programmable shaking motion  
(Forward & Backward, Pause)

Microprocessor PID control

Simple calibration and  
auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and maximum 200 cycles  
of repetition programmable  
for each profile

Adjustable 3-step fan speed  
with defrosting time and  
period control

RS-232 interface

Maintenance-free and  
durable BLDC motor

Stackable up to 2 units

High-velocity fan ensuring  
uniform temperature  
distribution and rapid  
thermal recovery

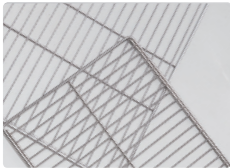
Convenient sample monitoring  
thanks to the transparent front  
window and the built-in lamp  
minimizing the need to open  
the door

Built-in casters for easy transport

Lockable door for added safety

Built-in electrical outlet with a  
safety cover inside the chamber

STANDARD



• Wire Shelves  
for SIF-5000 (EDA8235)  
for SIF-6000 (EDA8233)

OPTIONAL

- Universal / Dedicated Platforms, Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks
- Microplate Holders (three styles)
- Lab Sticker

For further information of optional accessories,  
Please visit [www.jeiotech.com](http://www.jeiotech.com)

Incubated Shakers with refrigerator

SI-300R/600R (15 to 60°C)



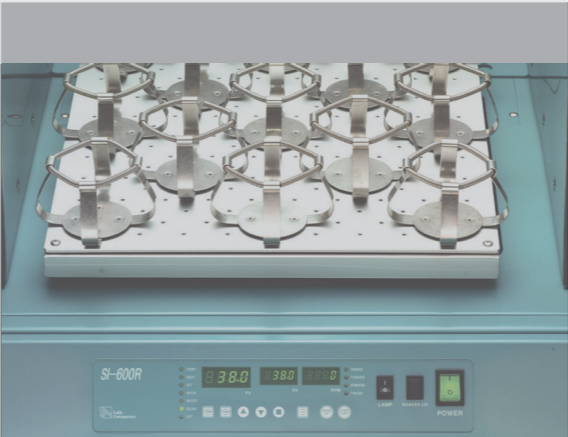
Benchtop incubator  
with a dual-action shaker



Model		SI-300R	SI-600R
Temperature	Range (°C / °F)	15 to 60 (59 to 140)	
	Fluctuation <sup>1)</sup> at 37°C (±°C / °F)	0.6 / 1.08	0.2 / 0.36
	Variation <sup>1)</sup> at 37°C (±°C / °F)	1.5 / 2.7	0.3 / 0.54
	Refrigerator (Hp)	1 / 8 HBP(220V, 230V) 1 / 6 HBP(100V, 120V)	1 / 8 HBP(220V, 230V) 1 / 6 HBP(100V, 120V)
Shaking System	Motion Type	Orbital or Reciprocating motion selectable	
	Speed Range (RPM)	10 to 300 <sup>2)</sup>	
	Timer	Run time: 10 sec to 999 hr 59 min 59 sec Forward & Backward, Pause: 10 sec to 59 min 59 sec	
	Amplitude Size (mm / inch, dia.)	20, 30, 40 / 0.8, 1.2, 1.6 Available – Standard 30 / 1.2	
Dimension	Recip Stroke Length (mm / inch)	20, 30, 40 / 0.8, 1.2, 1.6 Available – Standard 30 / 1.2	
	Volume (L / cu ft)	53 / 1.9	83 / 2.9
	Platform (W×D) (mm / inch)	350×350 / 13.8×13.8	450×450 / 17.7×17.7
	Internal (W×D×H) (mm / inch)	410×410×320 / 16.1×16.1×12.6	510×510×320 / 20.1×20.1×12.6
	Overall (W×D×H) (mm / inch)	442×740×622 / 17.4×29.1×24.5	542×850×622 / 21.4×33.5×24.5
Electrical Requirements (230V)		50Hz, 5.5A	60Hz, 5.5A
Cat. No.		AAH23112K	AAH23111K
Electrical Requirements (120V)		60Hz, 10.1A	60Hz, 10.1A
Cat. No.		AAH23113U	AAH23213U

1) Technical data according to DIN 12880.

2) No load speed



Dual shaking modes  
(orbital or reciprocating mode selectable)

Programmable shaking control  
(Forward & Backward, Pause)

Microprocessor PID control

Simple calibration and  
auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and maximum 200 cycles  
of repetition programmable  
for each profile

Adjustable 3-step fan speed  
with defrosting time and  
period control

RS-232 interface

Maintenance-free and  
durable BLDC motor

High-velocity fan ensuring  
uniform temperature  
distribution and rapid  
thermal recovery

Convenient sample monitoring  
thanks to the transparent acryl  
lid and the fluorescent lamp

Gas spring lid supports  
providing soft closing,  
smooth motion, and stopping

Environment-friendly  
CFC-free refrigerant

OPTIONAL

- Universal / Dedicated Platforms, Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks
- Microplate Holders (three styles)
- Lab Sticker

For further information of optional accessories,  
Please visit [www.jeiotech.com](http://www.jeiotech.com)

Incubated Shakers with refrigerator

IS-971R/971RF (+4 to 60°C /Amb. -15 to 60°C)



Large capacity and heavy workload shaking with rapid heating and cooling performance



Model		IS-971R	IS-971RF
Temperature	Range (°C / °F)	+4 to 60 / +40 to 140	Amb. -15 to 60 / Amb. -27 to 140
	Fluctuation <sup>1)</sup> at 37°C (±°C / °F)	0.2 / 0.36	
	Variation <sup>1)</sup> at 37°C (±°C / °F)	0.8 / 1.44	
	Refrigerator	1 / 3 LBP(AC 120V) 1 / 6 HBP(AC 230V)	1 / 3 LBP(AC 120V) 1 / 4 HBP(AC 230V)
Shaking System	Motion Type	Orbital or Reciprocating motion selectable	
	Speed Range (RPM)	10 to 300 <sup>2)</sup>	
	Timer	Run time: 10 sec to 999 hr 59 min 59 sec Forward & Backward, Pause: 10 sec to 59 min 59 sec	
	Amplitude Size (mm / inch, dia.)	30, 40, 50, 60, 70 / 1.2, 1.6, 2, 2.4, 2.8 Available – Standard 30 / 1.2	
Dimension	Recip Stroke Length (mm / inch)	30, 40, 50, 60, 70 / 1.2, 1.6, 2, 2.4, 2.8 Available – Standard 30 / 1.2	
	Volume (L / cu ft)	270 / 9.5	
	Platform (W×D) (mm / inch)	755×481 / 29.7×18.9	
	Internal (W×D×H) (mm / inch)	894×634×480 / 35.2×25×18.9	
Electrical Requirements (230V)	Overall (W×D×H) (mm / inch)	1,132×810×1,045 44.6×31.9×41.1	1,132×810×1,075 44.6×31.9×42.3
	Net Weight (Kg / lbs)	195 / 429.9	210 / 462.9
	Cat. No.	AAH23321K	AAH23351K
	Electrical Requirements (120V)	60Hz, 7.3A	50Hz, 7.3A
Electrical Requirements (120V)	Cat. No.	AAH23346U	AAH23356U
		60Hz, 13.8A	60Hz, 17A

1) Technical data according to DIN 12880.  
2) No load speed



Dual shaking modes  
(orbital or reciprocating action)

Programmable shaking motion  
(Forward & Backward, Pause)

Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

RS-232 interface

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps and  
max. 200 cycles of repetition  
programmable for each profile

Adjustable 3-step fan speed  
with defrosting time and  
period control

Maintenance-free and  
durable BLDC motor

High-velocity fan ensuring  
uniform temperature distribution  
and rapid thermal recovery

Convenient sample monitoring  
thanks to the transparent top  
viewing window minimizing the  
need to open the lid (IS-971R only)

Gas spring lid supports  
providing soft closing,  
smooth motion, and stopping

Environment-friendly  
CFC-free refrigerant

Built-in casters for easy transport

Lockable lid for added safety

Adjustable 5-brightness  
(maximum 12,000 lux) illumination lamp  
(optional for IS-971RF model only)

Incubated Shakers with refrigerator

SIF-5000R/6000R (Amb. -20 to 80°C)



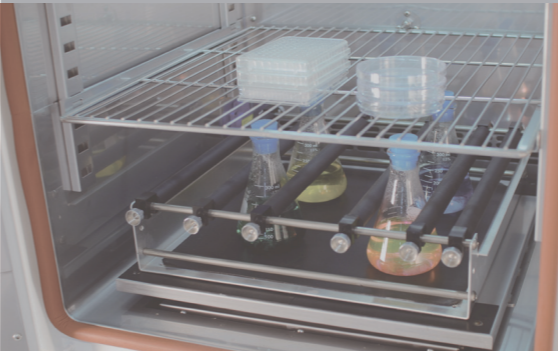
Wide range of temperature control  
Large chamber volume



Model		SIF-5000R	SIF-6000R
Temperature <sup>1)</sup>	Range (°C / °F)	Amb. -20 to 80 (Amb. -4 to 176)	
	Fluctuation at 37°C (±°C / °F)	0.1 / 0.18	
	Variation at 37°C (±°C / °F)	1.0 / 1.8	
	Refrigerator (Hp)	1/8Hp, HBP	1/6Hp, HBP
Shaking System	Motion Type	Orbital or Reciprocating motion(Default : Orbital motion)	
	Speed Range (RPM)	10 to 300 <sup>2)</sup> (Stackable Top :10 to 250)*	
	Timer	Run time(10sec ~ 999hr 59min 59sec) Pause, Forward, Backward(10sec ~ 59min 59sec)	
	Amplitude Size (mm / inch, dia.)	19, 25 / 0.75, 1 Available – Standard 19 / 0.75	
Dimension	Recip Stroke Length (mm / inch)	25, 38 / 1, 1.5 Available - Standard 25 / 1	
	Volume (L / cu ft)	80 / 2.8	150 / 5.3
	Platform (W×D, mm / inch)	350×350 / 13.8×13.8	450×450 / 17.7×17.7
	Interior (W×D×H, mm / inch)	440×440×418 / 17.3×17.3×16.5	540×540×518 / 21.3×21.3×20.4
Electrical Requirements (230V)	Exterior (W×D×H, mm / inch)	570×815×900 / 22.4×32.1×35.4	670×895×980 / 26.4×35.2×38.6
	Shelves (Standard / Max)	2 / 8	2 / 11
	Net Weight (kg / lbs)	130 / 286.6	150 / 330.7
	Cat. No.	AAH27121K	AAH27111K
Electrical Requirements (120V)	Electrical Requirements (230V)	60Hz, 7.2A	50Hz, 7.2A
	Cat. No.	AAH27122K	AAH27112K
	Electrical Requirements (120V)	60Hz, 12.9A	60Hz, 7.3A
	Cat. No.	AAH27123U	AAH27113U

\* If two products are stacked up, the upper one's shaking speed range is from 10 to 250 rpm

1) Technical data according to DIN 12880.  
2) No load speed



Dual shaking modes  
(orbital or reciprocating mode selectable)

Programmable shaking motion  
(Forward & Backward, Pause)

Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer:  
from 1 min ~ 99 hr 59 min

Intuitive control panel  
with bright LED display  
and touch-sensitive keypad

High temperature limit setting  
and open door alert

Convenient presetting function  
for 3 most commonly used  
temperature settings

Up to 9 temperature steps  
and maximum 200 cycles  
of repetition programmable  
for each profile

Adjustable 3-step fan speed  
with defrosting time and  
period control

RS-232 interface

Stackable up to 2 units

Maintenance-free and  
durable BLDC motor

High-velocity fan ensuring  
uniform temp. distribution  
and rapid thermal recovery

Convenient sample monitoring  
thanks to the transparent front  
window and the built-in lamp  
minimizing the need to open  
the door

Environment-friendly  
CFC-free refrigerant

Built-in casters for easy transport

Lockable door for added safety

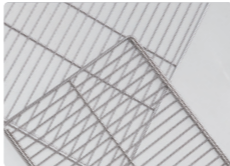
Built-in electrical outlet with a  
safety cover inside the chamber

OPTIONAL

- Universal / Dedicated Platforms, Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks
- Microplate Holders (three styles)
- Lab Sticker

For further information of optional accessories,  
Please visit [www.jeiotech.com](http://www.jeiotech.com)

STANDARD



- Wire Shelves  
for SIF-5000R (EDA8235)  
for SIF-6000R (EDA8233)

OPTIONAL

- Universal / Dedicated Platforms, Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks
- Microplate Holders (three styles)
- Lab Sticker

For further information of optional accessories,  
Please visit [www.jeiotech.com](http://www.jeiotech.com)

Personal Incubators

ILP-02/12 (10 to 40°C at ambient temp. of 25°C)



Hybridization Oven

HO-10 (Amb. +5 to 65°C)



Peltier cooled incubators generate little vibration, noise, and heat



Model		ILP-02		ILP-12	
Chamber Volume (L / cu ft)		14 / 0.5		48 / 1.7	
Temperature	Range (°C / °F)	10 to 40°C (50~104F) at ambient temperature of 25°C			
	Fluctuation <sup>1)</sup> at 25°C (±°C / °F)	0.1 / 0.18			
	Variation <sup>1)</sup> at 25°C (±°C / °F)	0.5 / 0.9		0.4 / 0.72	
Dimension (W×D×H)	Interior (mm / inch)	315×200×230 12.4×7.9×9.1		334×334×430 13.1×13.1×17	
		430×495×400 17×19.4×15.7		430×665×620 17×26.2×24.4	
	Exterior (mm / inch)				
		Net Weight (Kg / lbs)		27.5 / 60.6	
Electrical Requirements (230V)		60Hz, 1.8A	50Hz, 1.8A	60Hz, 3.5A	50Hz, 3.5A
Cat. No.		AAH24031K	AAH24032K	AAH24041K	AAH24042K
Electrical Requirements (120V)		60Hz, 3.4A		60Hz, 6.7A	
Cat. No.		AAH24033U		AAH24043U	

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Up to 9 temperature steps and max. 200 cycles of repetition programmable for each profile

Adjustable 3-step fan speed with defrosting time and period control

RS-232 interface

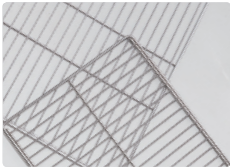
Convenient sample monitoring without affecting chamber temperature via the inner tempered-glass door

Environment-friendly insulation material (EPDM) used for safety and convenience (compliant with ASTM-C534 specification)

Space-saving design allowing even the smaller(14L) unit to hold two 1000mL Erlenmeyer flasks

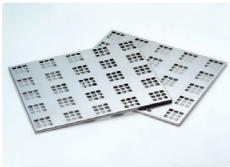
Wire shelves are provided as standard accessories (one for ILP-02, two for ILP-12)

STANDARD



• Wire Shelves for ILP-02 (EDA8223) for ILP-12 (EDA8221)

OPTIONAL



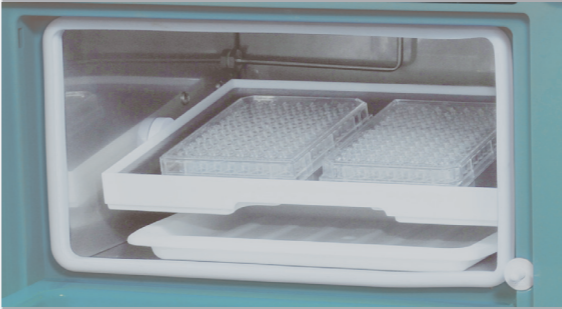
• Perforated Shelves for ILP-02 (AAA24501) for ILP-12 (AAA24502)

Ideal for reproducibility for various molecular biology applications



Model		HO-10
Temperature	Range (°C / °F)	Amb. +5 to 65 / +9 to 149
	Fluctuation at 50°C, 9RPM (±°C / °F)	0.5 / 0.9
	Variation at 50°C, 9RPM (±°C / °F)	0.5 / 0.9
Shaking System	Motion Type	Rocking Motion
	Speed Range (RPM)	5 to 50
	Tilt Angle	8.5°±1
	Max. Load (kg / lbs)	1 / 2.2
Dimension	Volume (L / cu ft)	10 / 0.4
	Sliding Shelf (W×D) (mm / inch)	256 x 198 / 10.1 x 7.8
	Internal (W×D×H) (mm / inch)	278 x 262 x 160 / 11 x 10.4 x 6.3
	External (W×D×H) (mm / inch)	400 x 410 x 264 / 15.7 x 16.1 x 10.4
	Net Weight (Kg / lbs)	14 / 30.9
Electrical requirements (230V, 60 Hz)		2.8A
Cat. No.		AAH1B011K
Electrical requirements (230V, 50 Hz)		2.8A
Cat. No.		AAH1B012K

1) Technical data according to DIN 12880.



Rocking motion

Simple calibration

Alarms are activated for low humidity, open door, temperature limit alert

Protection of the main body and the circuit board against overheating

Microprocessor PID control

Ease-of-operation provided by a bright VFD, responsive touch buttons, and a jog dial

Memory function of programmed protocols allowing relevant parameters of each protocol step to be stored (up to 10 protocols allowed for memory storage and up to 10 steps allowed for each protocol)

Compact design for efficient lab space utilization

Transparent polycarbonate window providing a clear view of the chamber interior

Built-in sliding shelf for quick and convenient insertion or removal of samples

Sticky pad on sliding shelf for preventing accidental movement or spills of samples during operation

Drying function for the hybridization and washed membranes or strips

STANDARD

• Water tray is provided as standard accessories