

Low Temp. Incubators (Forced Convection)



Performance

- Temperature range from 0°C to 60°C.
- Silent cooling system reduces water evaporation within the chamber.
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Adjustable three-step fan speed with defrosting time and period control.
- Forced air convection using an optimal cross flow fan for chamber temperature uniformity.

Convenience

- Large chamber volume: maximum 244L.
- Intuitive control panel with bright LED display. (0.1 °C resolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient preset function for 3 most commonly used temperature settings.
- Up to 9 temperature steps and maximum 200 cycles of repetition programmable for each profile.
- Built-in electrical outlet with a safety cover inside the chamber.
- Convenient sample monitoring without affecting chamber temperature via the inner tempered-glass door.
- Rounded inner chamber corners for easy cleaning and optimal airflow.
- RS-232 interface for external control and data collection.

Safety

- Automatic run after power interruption.
- Keypad lock function prevents accidental changes during operation.
- Over-temperature and over-current protection.
- Audible and visible open door alarms.

Superb low temperature incubation by noiseless compressor cooling system.



IL-21

Standard accessories • Wire shelves (2ea for IL-11, 3ea for IL-21)

Optional accessories • Perforated shelves
see page 88

Model	IL-11		IL-21	
Chamber volume (L / cu ft)	150 / 5.32		244 / 8.6	
Refrigerator (HbP)	1 / 8 HBP		1 / 6 HBP	
Temperature	Range (°C / °F)	0 to 60 / +32 to 140		
	Fluctuation ¹⁾ at 25°C (±°C / °F)	0.1 / 0.18		
	Variation ¹⁾ at 25°C (±°C / °F)	0.5 / 0.9	0.4 / 0.72	
Dimension (WxDxH)	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	

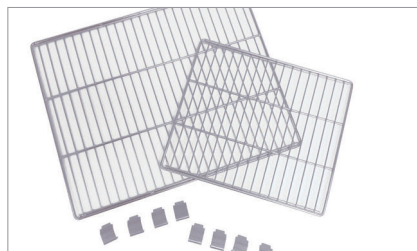
1) Technical data according to DIN 12880.

* Temperature change may occur during automatic defrost.

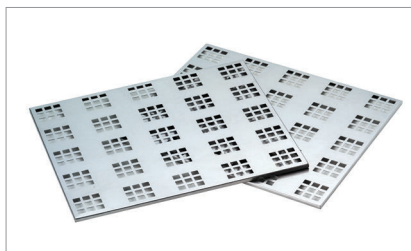
* FDA establishment registered company. FDA listed products.

Accessories & Options

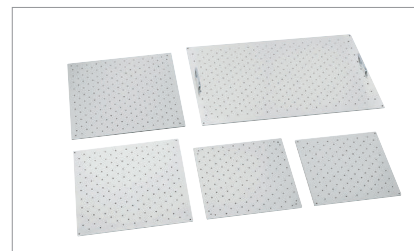
for Incubators



Wire shelves



Perforated shelves



Universal platforms

Wire shelves

Stainless steel and electro-polished shelves are readily removed without using tools for easy cleaning.

Cat. No.	Description			Suitable for
	Included	Maximum	WxL (mm / inch)	
EDA8136	2	7	366x316 / 14.4x12.4	IB-05G
EDA8135	2	11	446x366 / 17.6x14.4	IB-15G
EDA8137	2	11	576x419 / 22.7x16.5	IB-25G
EDA8136	2	10	366x316 / 14.4x12.4	IB-01E
EDA8220	2	13	466x490 / 17.6x19.3	IB-11E
EDA8219	2	14	566x466 / 22.3x17.6	IB-21E
EDA8136	4	14	366x316 / 14.4x12.4	IB-02G-2C
	8	28		IB-02G-4C
EDA8219	2	11	566x466 / 22.3x17.6	IL-11/11A
	4	22		IL-11-2C
	8	44		IL-11-4C
EDA8220	3	25	466x490 / 17.6x19.3	IL-21/21A
EDA8223	1	5	195x310 / 7.7x12.2	ILP-02
EDA8221	2	10	305x299 / 12x11.8	ILP-12
EDA8235	2	8	416x406 / 16.4x16.0	ISS-3075/R
EDA8233	2	11	516x506 / 20.3x19.9	ISS-4075/R
EDA8244	2	5	247x247 / 9.7x9.7	IM-10

Perforated shelves

Stainless steel shelves are readily removed without using tools for easy cleaning.

Cat. No.	Description			Suitable for
	Maximum	WxL (mm / inch)		
AAA12531	7	366x316 / 14.4x12.4		IB-05G
AAA12532	11	446x366 / 17.6x14.4		IB-15G
AAA12535	11	576x419 / 22.7x16.5		IB-25G
AAA12531	10	366x316 / 14.4x12.4		IB-01E
AAA22522	13	466x490 / 17.6x19.3		IB-11E
AAA22521	14	566x466 / 22.3x17.6		IB-21E
AAA12531	14	366x316 / 14.4x12.4		IB-02G-2C
	28		IB-02G-4C	
AAA22521	11	566x466 / 22.3x17.6		IL-11/11A
	22		IL-11-2C	
	44		IL-11-4C	
AAA22522	25	466x490 / 17.6x19.3		IL-21/21A
AAA24501	5	195x310 / 7.7x12.2		ILP-02
AAA24502	10	305x299 / 12x11.8		ILP-12
AAA24511	5	247x247 / 9.7x9.7		IM-10

Stacking kits

Stackable up to 2 units using exclusive stacking kits for space saving.

Cat. No.	Description	Suitable for
AAA21521	Stacking kits for stackable chambers	IB-05G
AAA21522	Stacking kits for stackable chambers	IB-15G
AAA21523	Stacking kits for stackable chambers	IB-25G
AAA26501	Stacking kits for stackable chambers	IB-01E
AAA26502	Stacking kits for stackable chambers	IB-11E
AAA26503	Stacking kits for stackable chambers	IB-21E