

Incubators with refrigerator

IL-11/21 (0 to 60°C)

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 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)	600x500x500 / 24x20x20		500x520x940 / 20x20.5x37	
	Exterior (mm / inch)	735x742x1010 / 28.9x29x40		635x740x1630 / 25x29x64	
	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

- 2 Wire Shelves for IL -11
- 3 Wire Shelves for IL -21

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)	4 to 60 / 39.2 to 140			
	Fluctuation ¹⁾ at 25°C (±°C / °F)	0.2 / 0.36			
	Variation ¹⁾ at 25°C (±°C / °F)	0.5 / 0.9			
Dimension (WxDxH)	Interior (mm / inch)	600x540x500 / 24x21.3x20		500x540x940 / 20x21.3x37	
	Exterior (mm / inch)	770x772x1060 / 30x30x42		670x760x1680 / 26x30x66	
	Net Weight (Kg / lbs)	108 / 238.1		145 / 319.7	
Electrical Requirements (230V)		60Hz, 6.9A	50Hz, 6.9A	60Hz, 8.4A	50Hz, 8.4A
Cat. No.		AAH22061K	AAH22062K	AAH22071K	AAH22072K
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

- 2 Wire Shelves for IL-11A
- 3 Wire Shelves for IL-21A