Low Temperature Incubator
(Forced Convection/Air-jacket) General type

Provides stable, low-temperature culture environment

IL3-15/15A
with Wire Shelves 2ea (standard)

IL3-25
with Wire Shelves 3ea (standard)

◢◤ Structural Functional Features

· Compact structure design.
· Clear VFD panel for clear information display.
· The inner toughened-glass door is completely enclosed with silicone packing, making it easy to observe the sample without changing the temperature.
· External door can be opened and closed smoothly with magnetic packing to minimize sample impact.
· The sample space is independently kept clean and the structure protects against sources of contamination.
· Internal power outlet included as standard for easy operation of small products.
· Easily removable condenser grill structure.
· Stainless steel interior and shelves are excellent in terms of corrosion resistance and clean maintenance.
· Easy to clean as inner edges are curved.

◢◤ Use Convenience Features

· Accurately controlling temperature based on temperature calibration /auto-tuning / microprocessor PID.
· Save and use 3 frequently used temperatures.
· Wait On/Off timer. (up to 999 hours 59 minutes)
· USB/RS-232 connection and software provide convenient computer operation and data managing.
· Operation and data management with computer connection.
· Alarm function when temperature sensor is disconnected.
· Monitor via mobile app anytime, anywhere with LC Connected. (mobile monitoring system) (when purchased LC GreenBox)

◢◤ Outstanding Safety

· Top-rated overheating protection system. (registration KR 10-0397583)
· Mechanical/ electronic overheat protection.
· Set the temperature deviation notification.
· Mal-operation prevented by controller lock function.

JEIO TECH

CE · LC Connected · Safety Patented · Green CFC-Free · Temperature Calibration 3 Points · Deviation Warning · Over Temp. · Timer · Computer Interface · Auto Run · 2 year Warranty

Temperature Variation

· Superior temperature uniformity with excellent temperature control capability.


IL3-15, 5.0°C

IL3-15A, 37.0°C
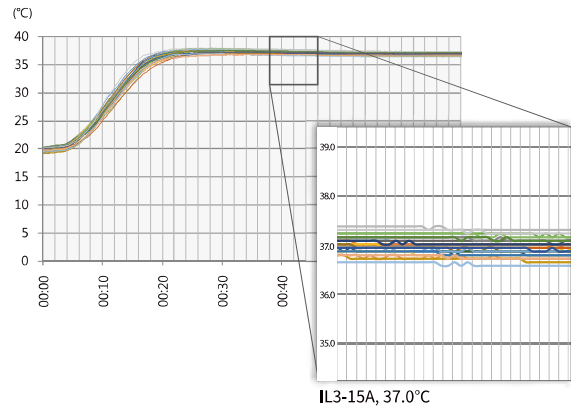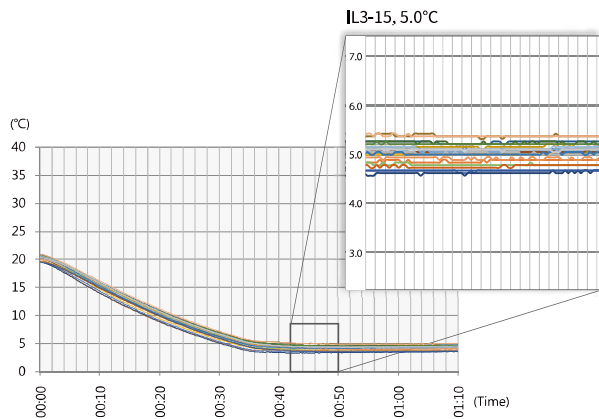
Two Series Of Models According To Heat Transfer Method

· Forced Convection
The structure allows for the inside air to be circulated and the temperature to be controlled, producing stable temperature control and good distribution. However, the amount of moisture evaporation of the culture is relatively high.

· Natural Convection (Air-jacket)
The air-jacket structure heats the outside air in the space where the sample is placed and transfers the heat to the inside, and the moisture evaporation amount of the culture is relatively low.
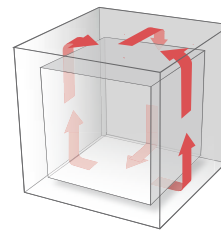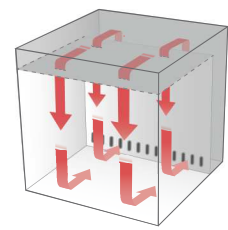
Natural Convection (Air-jacket)   Forced Convection

Specification

Model	Forced Convection		Natural Convection (Air-jacket)	
	IL3-15	IL3-25	IL3-15A	IL3-25A
Chamber volume (L / cu ft)	150 / 5.3	242 / 8.5	156 / 5.5	254 / 8.97
Refrigerator (Hp)	1 / 6	1 / 6	1 / 6	1 / 6
Temperature Range (°C / °F)	0 to 80 / 32 to 176	0 to 80 / 32 to 176	4 to 70 / 39.2 to 158	4 to 70 / 39.2 to 158
Fluctuation at 37°C (±°C / °F)	0.1 / 0.18	0.1 / 0.18	0.2 / 0.36	0.2 / 0.36
Variation at 37°C (±°C / °F)	0.6 / 1.08	1.0 / 0.18	0.7 / 1.26	1.0 / 0.18
Heating time 20 to 37°C (min.)	43	45	45	50
Cooling time 20 to 5°C (min.)	45	50	53	58
Recovery time at 37°C (min.)	4	4	5	5
Dimension Interior (W x D x H, mm / inch)	600 x 500 x 500 / 24 x 20 x 20	500 x 520 x 930 / 20 x 20.5 x 36.6	600 x 520 x 500 / 24 x 20.5 x 20	500 x 540 x 940 / 20 x 21.3 x 37
Exterior (W x D x H, mm / inch)	720 x 760 x 1070 / 28.3 x 29.9 x 42.1	620 x 770 x 1618 / 24.4 x 30.3 x 63.7	770 x 790 x 1115 / 30.3 x 31.1 x 43.9	670 x 805 x 1668 / 26.4 x 31.7 x 65.7
Net weight (Kg / lbs)	100 / 220	135 / 297	108 / 238.1	145 / 319.7
Shelves Quantity of shelves (standard / max.)	2 / 6	3 / 13	2 / 6	3 / 13
Max. Load per shelf (Kg / lbs)	26 / 57.3	30 / 66	26 / 57.3	30 / 66
Electrical requirements (230V, 50/60Hz, A)	4.5	6.4	6.6	8
Cat. No.	AAH220412K	AAH220512K	AAH220612K	AAH220712K
Electrical requirements (120V, 60Hz, A)	8.3	10.6	10.2	12.3
Cat. No.	AAH220462U	AAH220562U	AAH220632U	AAH220732U

※ Technical data (according to DIN 12880 before 2013)

Accessories Page 95   Wire Shelves, Perforated Shelves, LC GreenBox