

# Refrigerated Incubator

## Fan Forced (0°C to +50°C)

**LABEC Refrigerated Fan Forced Incubator** is manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. Suitable for applications where precision controlling of temperatures within the range of 0°C to +50°C. Using a forced air heating system provides excellent temperature uniformity. The fan forced convection heating circulates the air inside the chamber providing improved uniformity and recovery after door opened.



PID Control display system

**Controller** – A digital microprocessor based PID temperature controller controls the temperature within the range ambient 0°C to +50°C with a temperature accuracy of  $\pm 0.2^\circ\text{C}$ .

### Standard features include:

- RCD/ELB (earth leakage breaker).
- Over Temperature Thermostat.
- Stainless Steel exterior.
- Adjustable/removable shelving.



Model - IC75



Model - IC120

### Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

### Additional options

To suit your requirements the addition of options such as an inner glass door for easy viewing, programmable controllers, timers, additional shelves, internal lighting, cycling temperature and lighting (see ICC range), humidity control (see LHC range), low temperature models to  $-20^\circ\text{C}$ , high temperature models to  $+150^\circ\text{C}$  are available.



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## SPECIFICATIONS

# Refrigerated Incubator

## Fan Forced (0°C to +50°C)

Model	IC18	IC24	IC36	IC50	IC75	IC100	IC120
Capacity (L)	66	160	300	507	750	1000	1200
Int. Dim. (cm) H x W x D	46 x 38 x 38	60 x 50 x 50	90 x 60 x 50	120 x 65 x 65	130 x 100 x 56	120 x 130 x 65	146 x 135 x 60
Ext. Dim. (cm) H x W x D	131 x 51 x 64	155 x 61 x 75	189 x 73 x 80	208 x 78 x 87	208 x 115 x 78	208 x 145 x 82	208 x 150 x 80
Temp. Controller	Digital PID Controller						
Temp. Min	0°C						
Temp. Max	50°C						
Temp. Setting Accuracy	±0.1°C						
Temp. Fluctuation	±0.2°C						
Temp. Sensor	Pt 100 ohms						
Heating System	Electric Element						
Refrigerant	R134c (CFC Free)						
Interior Material	Stainless Steel						
Exterior Material	Stainless Steel						
Shelving (adjustable)	2	3	6	8			
Lockable Castors	Standard						
Power Supply (W)/AMPS	1500W/ 10AMPS	2200W/ 10AMPS	2400W/ 10AMPS	3600W/ 15AMPS			
Power Supply	240V/50Hz						
Safety	Overtemperature alarm, temperature protection cut off, earth leakage breaker (ELB).						
Options	Cycling temperature and lighting (see ICC range), safety thermostat, water jacket, timer, extra shelves, humidity control (see LHC range), low temperature models to -20°C, high temperature models to +150°C, acrylic viewing window or inner glass door, defrost timer, chart recorder.						
Weight (kg)	85	102	135	170	198	210	250

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