Air Incu i

Infant Incubator

ATOM

To Save a Tiny Baby Life

Since developing Japan's first Infant Incubator,
Atom Medical has made great contributions to the reduction of
Neonatal Mortality rates for over 60 years.
Our mission and passion *"To Save a Tiny Baby Life"*
have led us to meet global standards and pursue originality.
Atom Medical is continuously making efforts to improve outcomes
for the tiniest babies.

Air Incu i

Our greatest satisfaction is to see a smile on the faces of babies, family members, and healthcare professionals.

The **Air Incu i** has been developed to provide a "womb-like" environment for premature and preterm infants all over the world.

Air Incu i

for Babies

Based on years of experience, we have developed the Air Incu i using the latest technology in temperature control whilst maintaining reduced noise level, therefore minimising stresses on babies.

for Caregivers

We offer the highest quality, value, and safety so that you can solve problems in your clinical practice.

* The drawers shown are optional.

Air Incu i

Based on our experience amassed over more than 60 years, we are able to provide a baby-friendly environment.

Low noise

Noise Levels in the incubator are kept to 45dB, reducing stress levels in Neonates.

* The AAP recommends that sound levels be kept lower than 45dB in NICUs and infant incubators.

Minimal handling

A built-in weight monitor allows the neonate to be weighed inside the incubator, the "womb like" environment.
Body weight is measured in 1g increments allowing for slight increases or decreases to easily be identified.

Air curtain

Hood(outer wall)

Inner wall
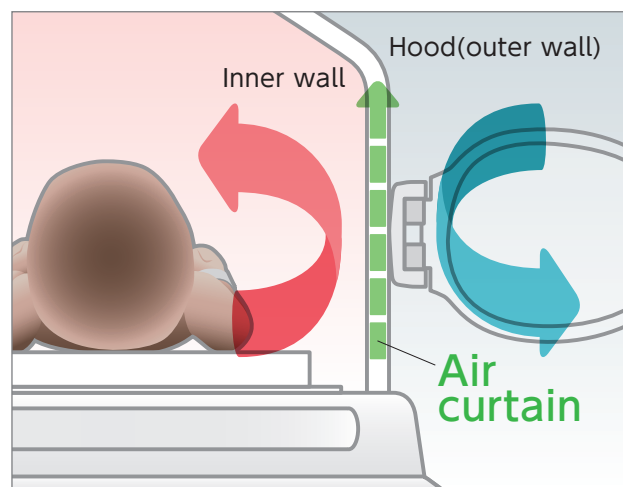
Air curtain

An air curtain, designed as a standard inclusion in the Air Incu i, minimizes temperature loss when a snap-open access port is opened.

Humidity control

Adjustable humidity control allows up to 95% relative humidity to be produced, meeting humidification requirements for even the smallest of neonates.
Direct steam injection humidification minimizes the risk of infection inside the incubator.

Night mode

A night mode helps to reduce light stimulation in neonates.

Based on our experience amassed over more than 60 years,
we are able to provide an incubator which is very user friendly.

Antimicrobial panel screen

The use of an antimicrobial panel keeps frequently touched surfaces clean.

High scalability

Extensive options and add-ons ensure that the Air Incu i can be tailored to suit the caregiver's needs.
- Oxygen Controller Unit
- Weight Monitor Unit
- SpO$_2$ Unit (Masimo/Nellcor)

Stands

Multiple stand options are available to best suit your nursery requirements.
Choose either "High-Low Stand" or "Cabinet Stand".

Hood disassembly

The hood can be disassembled withrout any tools being required.
Should any part of the hood be broken or damaged, the part can be replaced individually, which helps to reduce maintenance costs.
Maintenance and cleaning/disinfection efficiency has improved.

Jointless hood structure

Jointless hood minimizes the chance that surfaces are left unwiped/unclean.
Jointless design ensures a good visibility of the inside of the incubator.

Reduction in the number of packings

Cleaning efficiency has been increased with reduced number of packings.
A reduction in the number of periodic replacement parts has improved the ease of maintenance and reduced running costs.

Electrostatic filter

The cleanliness level of the filter is easily visible and can be easily replaced when required.

Humidifier

The humidity chamber can be easily removed from the incubator for complete cleaning ensuring that no residual water is left which can be a source of infection.

Products Lineup & Add-on Unit

Air Incu i

Main Unit

Atom's code	Description
62060	w/ humidity controller AC120V±10%
62061	w/o humidity controller AC120V±10%
62062	w/ humidity controller AC230V±10%
62063	w/o humidity controller AC230V±10%

Add-on Unit

Atom's code	Description
62070	O$_2$ Controller Unit for Air
62071	Weight Monitor Unit for Air
61621	SpO$_2$ Unit (Masimo)
61622	SpO$_2$ Unit (Nellcor)

Options & Supplies

Cabinet Stand

Atom's Code	Description
62082	for Air
Specifications	
Measurement	955(L)x490(W)x655(H) mm
Internal meas	820(L)x455(W)x460(H) mm

HL Stand

Atom's Code	Description
62080	AC120V for Air
Specifications	
Measurement	955(L) x 660(W) x 565~765 mm

HL Stand

Atom's Code	Description
62081	AC230V for Air
Specifications	
Measurement	955(L) x 660(W) x 565~765 mm

Cabinet Board for Cabinet Stand

Atom's Code	Description
62083	for Air

Drawer w/mounting bracket

Atom's Code	Description
62086	for HL Stand for Air
Specifications	
Measurement	330(L)x440(W)x300(H) mm
Internal meas	310(L)x400(W)x250(H) mm

Handle

Atom's Code	Description
62085	for Air (Head or Foot Side)

Snap-Open Access Port

Atom's Code	Description
62084	for Air (Head or Foot Side)

Tube holder

Atom's Code	Description
60858	for i series incubator/Air/V-2200/V-2100G/Neo-Servo

Patient circuit introduction holder with arm

Atom's Code	Description
60857	(Head or Foot Side)

Cord Guide

Atom's Code	Description
60876	for i Series incubator/Air

Pneumoclean Electrostatic Filter

Atom's Code	Packing Qty
60269	5 pcs/pkg
Specifications	
Filter capability	Removes ≥99% of airborne dust of 0.1μ

Access Port Cover

Atom's Code	Packing Qty
60860	20 pcs/pkg

Oxygen Sensor for Dual Incu i/Incu i/Air/V-2200/V-2100G

Atom's Code	Packing Qty
60859	2 pcs/pkg

Pressure Dispersion Mattress

Atom's Code	Description
93217	for i series incubator/Air
Specifications	
Measurement	650(L)x360(W)x20(H) mm
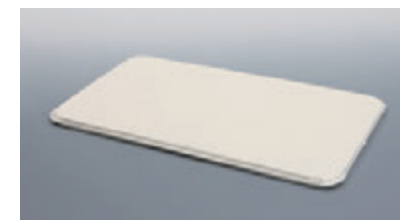
Mattress

Atom's Code	Description
98218	for i series incubator/Air
Specifications	
Measurement	650(L)x360(W)x20(H) mm

Monitor Tray for HL Stand

Atom's Code	Description
62089	for Air
Specifications	
Load capacity	10 kg

I.V. Pole for HL Stand

Atom's Code	Description
62087	for Air
Specifications	
Load capacity	10 kg

I.V. Pole for Cabinet Stand

Atom's Code	Description
62088	for Air
Specifications	
Load capacity	5 kg

Air Incu i

Specifications

Air Incu *i*

Power requiement	Main body : Customer specified HL Stand : Customer specified
Power consumption	Main body : 600VA HL Stand : 120VA
Frequesncy	Main body : 50/60Hz HL Stand : 50/60Hz
Type of protection	Class I
Degree of protection	Type BF applied part
Classification	IIb, Rule 9
Dimensions	Main body (with HL Stand) : 1010(W)x665(D)x1460-1660(H) mm Mattress surface : 860-1060 mm (w/ weight monitor : 880-1080mm) Main body (with Cabinet Stand) : 1015(W)x565(D)x1570(H) mm Mattress surface : 965 mm (w/ weight monitor : 985mm) External display : 220(W)x50(D)x140(T) mm Mattress : 650(W)x365(D)x20(T) mm
Weight	Main body : Approx. 47Kg HL stand : Approx. 35Kg Cabinet stand : Approx. 30Kg
Noise level	Approx. 45dBA / with Humidification : Approx. 47dBA
Incubator air temp. setting range	23.0-37.0℃ / Override 37.1-39.0℃
Incubator air temp. display range	20.0-42.0℃
Incubator air temp. display accuracy	±0.8℃
Skin temp. setting range	34.0-37.5℃ / Over ride 37.6-38.0℃
Skin temp. display range	30.0-42.0℃
Skin temp. display accuracy	±0.3℃
Heater output	0-100% (in 10 levels)
Relative humidity setting range	40-95%Rh
Relative humidity display range	15-99%Rh
Relative humidity display accuracy	±10%Rh
Alarms	Fan, System failure, Power failure, High temp, Set temp, Skin temp probe, Humidity sensor, Low water level, No water, Humidity chamber off, Set humidity
Accessories	Skin Temp Probe 5mm O.D. (Y).....1, Pneumocloean (Electrostatic air filter).....1, Access port cover.....2, Mattress.....1, Display pole.....1, Sensor module.....1, Baby guard (front/rear).....2, Baby guard (side).....2, Operation Manual...1

O₂ Controller (Add-on Unit)

|	
Control mode	Servo control
Setting range	22~65% (in 1% increments)
Display range	15~105%
Measurement accuracy	±3% O₂ (±2% at ≦25% setting)
Calibration	21%O₂
Alarms	oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated

SpO₂ Unit [Masimo/Nellcor] (Add-on Unit)

SpO₂	Display range : 1~100% Accuracy (in 70-100%)±3% Alarm function setting range 　Upper limit 50~99%, OFF 　Lower limit 45~95%, OFF
Pulse rate	Display range : 25~240bpm Accuracy (in 25-240bpm)±3% Alarm function setting range 　Upper limit 80~240bpm, OFF 　Lower limit 35~180bpm, OFF
Mode	Averaging time : 4,6,8,10,12,14,16sec.
(Masimo) (Nellcor)	Sensitivity setting : 　APOD, Normal, Max 　FastSat : ON, OFF SatSeconds : 10, 25, 50, 100, OFF Response : Normal, Fast

Weight Monitor Unit (Add-on Unit)

Weighing range	300~7000g
Scale interval	1g (without official Verification) 5g (with official Verification)

Dimensional drawing　w/HL Stand
Unit : mm

1460~1660 | 860~1060(Mattress) | 1010 | 665
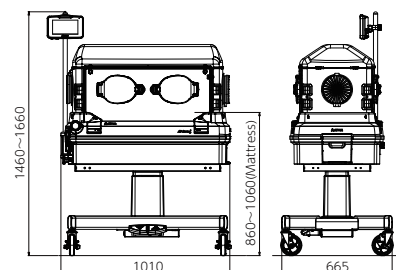
Dimensional drawing　w/Cabinet Stand
Unit : mm
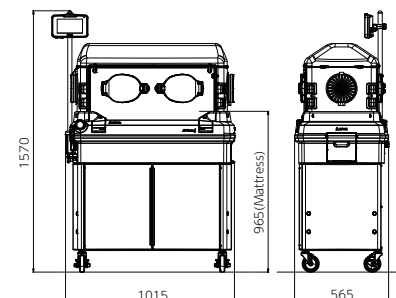
1570 | 965(Mattress) | 1015 | 565

M+ medical sales & service

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