Amelie incubators – Security for the

Actually these babies should still be in their mothers' wombs – protected against noise and cold, bright lights and many hands. No one can give these little ones back the precious time they have lost. However, with Amelie incubators we can conjure up a little ray of sunshine along the way.

Characteristics – Amelie incubators

- Triple Wall-Technology for high temperature stability, optimal insulation, calming environment and reduced condensation on the hood
- Very quiet – noise level below 45 decibels
- Intelligent alarm system
- Measuring of water evaporation – high degree of accuracy due to the separator in the water reservoir
- Hood tubing grommets and seals are made of premium quality, durable, UV-resistant and sterilisable silicone
- Incline of the lying area adjustable ± 12° possible using the wedge mattress (accessory)



e tiniest ones



Intelligent details – reliable technology



① The intelligent Sensor-Box with a comprehensive alarm system provides maximum security for the tiniest patients – and the easiest control for carers.

② The ARDO AirStream technology ensures draught-free air circulation and an optimal, uniform ambient heat. Temperature fluctuations when opening the doors/flaps are reduced by the "air-curtain". The Triple Wall-Technology on the front and rear doors provides optimal insulation, and reduces the condensation on the hood. Amelie intensive and care incubators stand for safe warmth and optimal conditions in neonatology.

③ Settings for air, skin temperature, humidity and weight (optional) are controlled by the microprocessor, values to be selected via the digital menu on the front of the unit. Amelie has a simple oxygen monitoring system. On the Amelie star, the monitoring and control of oxygen concentration is shown on the display.

④ Both models have an integrated x-ray tray.

⑤ Treatment is facilitated by access through both the front and rear doors, and by the five arm-access openings and an iris diaphragm.

⑥ The material selected for the seals and tubing grommets is UV-resistant and sterilisable high-tech silicone, emphasising our awareness of and demand for premium quality. Our expertise in the Pressure Ulcer Management Sector has allowed us to pay special attention to the mattress, which has a premium quality, breathable Dartex cover.

⑦ Height adjustment is available as an option on both models.

Accessories – individual choice

Baby scale



Baby remains in the incubator –
no unnecessary moving

Monitor tray



Turnable monitor tray

Compartment



Two drawers
max. load 4 kg

Wedge mattress



For extra incline of the
lying surface up to 12° possible

Infusion rod



Adjustable for 2 infusions

Tube holder



Clear tube feed – for better visibility

Storage tray



Storage tray inside the hood

Protective cover



Protects baby from unwanted light – opaque

Technical data	Amelie	Amelie star
Operating parameters		
Temperature		
Air: setting range / special setting range	25–37 °C / 37–39 °C	
Skin: setting range / special setting range	34–37 °C / 37–38 °C	
Temperature variability / skin sensor accuracy	≤ 0.5 °C / ≤ 0.3 °C	
Display resolution	0.1 °C	
Trend display / measuring rate for trend	2, 4, 8, 12, 24 h / 1 min	
Humidity		
Water reservoir capacity / operating time per litre	1500 ml / > 20 h at 60 % RH	
Setting range	0–90 % RH in steps of 1 %	
Display accuracy	± 6 % RH (10–90 % at 20–40 °C)	
Display range / resolution	0–99 % RH / 1 %	
Trend display / measuring rate for trend	2, 4, 8, 12, 24 h / 1 min	
Baby scale (optional)		
Weight range / weight display accuracy / resolution	100–8000 g / ± 10 g / 1 g	
Trend display / measuring rate for trend	7 days , 2–7 weeks / 1 h	
Oxygen non-regulated inlet (Amelie)		
Setting range / display accuracy	– / ± 3 %	–
Display range / resolution	0–99 % / 1 %	–
Trend display / measuring rate for trend	–	–
Oxygen regulated inlet (Amelie star)		
Setting range / display accuracy	–	20–60 % in 1 % steps / ± 3 %
Display range / resolution	–	0–99 % / 1 %
Trend display / measuring rate for trend	–	2, 4, 8, 12, 24 h / 1 min
General		
Mains voltage / frequency / power consumption	230/240 VAC ± 10 % / 50/60 Hz / 1840 VA max.	
Working area: temp. / humidity / atmospheric pressure	20–30 °C / 30–75 % RH / 700–1060 hPa	
Connections at the device	Mains socket, 3 auxiliary sockets, RS232 interface, O_2 inlet and O_2 servo	
Height adjustment	optional, 200 mm electrical	
Alarms		
Temperature variability: skin/air regulation	± 1 °C / ± 3 °C	± 1 °C / ± 3 °C
Over temperature skin regulation / air regulation control	40 °C / 38 °C at ≤ 37 °C and 40 °C at > 37 °C	40 °C / 38 °C at ≤ 37 °C and 40 °C at > 37 °C
Humidity control / Oxygen control	± 15 % / –	± 15 % / ± 5 %
Power failure	yes	yes
Hood		
Number of doors / arm access openings / iris diaphragm / tube grommets	2 / 5 / 1 / 10	
Noise level (interior)	< 45 dBA	
Lying surface air flow	≤ 0.12 m/s	
Dimensions / Weights		
Length x Width	1060 x 680 mm	
Height fixed / with height adjustment	1390 mm / 1350–1550 mm	
Height fixed lying surface / with height adjustment	970 mm / 930–1130 mm	
Height hood	420 mm	
Opening front and back doors (L x W)	850 x 340 mm	
Lying surface (L x W) / possible inclination	760 x 380 mm / ± 8°	
Weight without / with height adjustment	approx. 100 kg / approx. 110 kg	
Compliance	Complies with Medical Devices Guideline 93/42/EEC (**CE** 0123)	