



**MEDICOR ELEKTRONIKA ZRT.**

AUTHENTIC EUROPEAN MANUFACTURER OF MEDICAL  
EQUIPMENT AND DEVICES FOR NEONATES SINCE 1953



**BABYLIFE®**

**BLF-2001G**

TYPE INFANT INCUBATOR



BUSINESS  
**Superbrands™**



CE 2409

## Standard Features

### HEAVY DUTY STAND / IV POLE / MONITOR SHELF

Heavy Duty Mobile Stand with 4 Anti-Static Castors (2 Lockable)  
 Instrument Shelf on the Stand  
 Protector Bumper and Instrument Holder Rails on Each Side

### CRADLE (INFANT BED) / X-RAY CASSETTE TRAY

Anti-decubitus mattress, x-ray compatible  
 Manual One-Step Cradle Tilting up to 12°, both Direction  
 Space for X-ray Cassette under the Cradle

### DISPLAY / CONTROLS

Graphic 5" monochrome LCD Display  
 Displaying Set / Date & Time / Humidity / Temp. / Heating, etc.  
 3/24/170 Hours Graphic Trend with Values  
 Text Messages  
 Water Resistant, Foil-covered, Soft Touch Control Panel with Lock  
 Test button / Self Test / Silence / Reset Button

### HOOD / CANOPY

Silent Operation (less than 45 dB)  
 Glass-like Transparent Single Wall Hood, Phototherapy & X-ray Compatible  
 Front Access Door  
 4 or 6 Noiseless, Easy to Open Hand Ports / Windows  
 2 Iris Ports / Windows  
 6 Tube Ports  
 Feeding hole  
 HEPA 13 Air Bacterial Filter (Changeable)

### HUMIDITY REGULATION

Humidity Servo Control (30-100%) with 3 Liters Distilled Water Reservoir  
 3 Liters Residual Water Reservoir

### TEMPERATURE REGULATION

Air Temperature Servo Control (30-37°C) with Override (37,1-39°C)  
 Air-curtain Protection

### SAFETY / ALARM / UPS / OPERATION / TESTER

Visual and Audible Alarms and Backup Sensors:

- High/Low Temperature
- Air Temperature Sensor 1/2/3
- Skin Temperature Sensor
- Technical Fault
- Mains Failure
- Fan/Ventilation Failure
- Humidification Failure
- SpO2 Sensor
- O2 Sensor Failure
- Sensor Failures
- Scales Failure
- Backup Over-heat Protection Included

State-of-the-art microprocessor controller  
 Intelligent Operating System, Continuous Self-test Diagnosis  
 Supplied with User Manual, Power Cable, Spare Airfilter and Fuse  
 CN / DE / EN / ES / FR / HU / RU / PT / TR Software Version



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## Optional Features

### HEAVY DUTY STAND / IV POLE / MONITOR SHELF

Electric Height Adjustment (with Switch or Foot Pedal or Nightlighting)  
Cupboard with 2 or 3 Drawers or with 2 Doors on the Stand  
Gas cylinder holder on the Stand  
IV Pole with 2/4 hooks and/or Monitor Shelf

### CRADLE (INFANT BED) / X-RAY CASSETTE TRAY

Gel Mattress  
Drawable, Removable Cradle  
Electric Cradle Tilting up to 15°, both Direction, with Inclination Indicator  
Drawable X-ray Cassette Tray with Window on the Front Door

### DISPLAY / CONTROLS

7" Color Touchscreen LCD Display with Smart Software  
15.6" Color Touchscreen LED Monitor with Smart Software  
Icon Messages & Integrated User Manual

### HOOD / CANOPY / CAMERA

Advanced Silent Operation (at most 39 dB)  
Hood with Double or Triple Wall  
Rear Access Door  
Additional Tube Ports  
Integrated CCD camera

### UPS / OPERATION / TESTER

Integral or External UPS Operation Time at least 30 min  
Incubator Tester / Analyzer

### HUMIDITY REGULATION

Ultrasonic Humidifier with 3 Liters Distilled Water Reservoir

### TEMPERATURE REGULATION

Skin Temperature Servo Control (34-36°C) with Override (36,1-38 °C)  
Peripheral / Second Skin/Rectal Temperature Sensor  
Ambient Temperature Monitoring

### OXYGEN REGULATION / BLENDER

Oxygen Inlet Port with Flowmeter (21-40%, 0-6 or 0-15 l/m)  
Flowmeter with Heated Humidifier (0-6 or 0-15 l/min)  
Oxygen Servo in Hood (21-65%)  
Oxygen Servo in Non-contact Head-hood (21-75/95%)  
Oxygen Servo in Hood and Non-contact Head-hood (21-65/75/95%)  
Air / Oxygen Blender (21-100%)

### SPO2 / SCALE

Built-in Pulseoximeter with Reusable Sensor  
Reusable / Disposable SpO2 Sensor  
Built-in High-accuracy Digital Weight Scale (0-10 kg)

### DATA MANAGEMENT / NETWORK

Neonatal Patient Monitor  
Data Collector to HIS/CIS  
Central Monitor System  
LAN/WIFI/RS-232 Connection to HIS/CIS



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## Technical Data (factory default values)\*

### PHYSICAL ATTRIBUTES

Height / Adjustable / Packing	135/135-160/155 cm (53/53-63/61 in)
Width / Packing	85/95 cm (33,5/37,4 in)
Depth / Packing	65/70 cm (25,6/27,6 in)
Bed to Floor (fix/ adjustable)	95/93 – 118 cm (37,4/36,6 – 46,5 in)
Weight / Packing from	70/85 kg (154/187 lb)
Mains voltage	220/230V ±10% (default), 110/120V ±10% (upon request)
Mains frequency	50 Hz (default), 60 Hz (upon request)
Nominal power consumption	380 VA
Operating ambient temperature range	+20°C - +30°C (68°F - 86°F)
Extended range (upon request)	+10°C - +40°C (50°F - 104°F)
Storage/transport ambient temperature range	-40°C - +70°C (-40°F - 158°F)
Operating (Storage) ambient RH range	30% - 75% (10% - 100%)
Operating (Storage) air pressure range	700 hPa (500 hPa) - 1060 hPa

### HOOD SPECIFICATIONS

Front access door opening	71 x 32 cm (28 x 12,6 in)
Mattress to hood height	36 cm (14,2 in), up to 45 cm (17,7 in) option
Mattress size	40 x 70 cm (15,75 x 27,6 in)

### TEMPERATURE CONTROL MODES

Temperature control modes	Air (standard) / Skin (option)
Temperature display range	0.0°C (32.0°F) to 50.0°C (122.0°F)
Air mode control temperature range	20.0°C (68.0°F) to 37.0°C (99°F), in 0.1°C inc.

Air mode control override temperature range	37.1°C (99°F) to 39.0°C (102°F), in 0.1°C inc.
Skin mode control temperature range	34.0°C (93°F) to 36.0°C (97°F), in 0.1°C inc.
Skin mode control override temperature range	36.1°C (97°F) to 38.0°C (101°F), in 0.1°C inc.

Peripheral skin / Rectal temperature monitoring	Yes
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### PERFORMANCE

Air flow velocity across mattress	< 10 cm/sec (3,94 in/sec)
Temperature rise time at	22 °C (71.6°F) ambient < 20 min
Temperature variability	< 0.5°C (0.9°F)
Temperature uniformity with a level mattress	< 0.8°C (1.4°F)
Correlation of the indicated air temperature to the actual incubator temperature	≤ 0.8°C (1.4°F)
Operating noise level in hood	< 45 dBA (< 39 dBA upon request)
Carbon Dioxide (CO <sub>2</sub> ) level (per EN60601-2-19)	< 0,2%
Micro air intake filter HEPA13	- 99,95%
Particle size removal	0.3 micron

### HUMIDITY SERVO CONTROL

Humidity control range	30% to 95% in 1% increments
Max. humidity control operating time without refilling	55 hours at 85% RH and 36°C (97°F) in Air Mode
Humidity control reservoir capacity	3000 ml
Humidity display accuracy	± 10% RH

### OXYGEN SERVO CONTROL

Oxygen control range	21% to 75% (95% upon request)
Oxygen control accuracy of full scale	± 3%
Oxygen display accuracy (21% / 100% calibration)	± 3%
Oxygen display resolution	1%

### WEIGHING SCALE

Weight range	0 to 10 kg (0 to 22 lbs)
Weight display resolution	1 gr (0,035 oz)
Weight accuracy	up to / over 5 kg (11 lbs) ± 2/5 gr (0,07 / 0,18 oz)

### DEVICE CLASSIFICATION

Protection class	Class I, Type BF, continuous operation
Ingress of liquids	IP20

### TREND PARAMETERS

3/24/170-hour trend

- Air temperature • Skin temperature • Peripheral temperature
- Relative humidity • Oxygen concentration
- SpO<sub>2</sub> (Pulse Oximeter) • Heater power

\* Additional features in case of demand. The models illustrated in this brochure show the specifications of neonatal warming and resuscitation table produced by MEDICOR for the European market. In part, they include optional equipment and accessories not fitted as standard. According to the specific requirements of other markets, alterations in models, standard and optional equipment, as described in this brochure, may occur. For more precise information about country specific product versions, please contact your local partner. Subject to change in design, specification and options without prior notice.

## BABYLIFE® Selection



**BLF-2001T**



**KLA-145LT**



**KLA-145L**



**BLF-2001G**



**BLR-2100A**

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