



# H-360

NEONATE BILIRUBIN  
PHOTOTHERAPY EQUIPMENT

■ **360° dimensional intensive phototherapy treatment with strong effect**

Adopts 360°dimensional phototherapy features to ensure uniform irradiation, large irradiation area, and high intensity treatment, can effectively reducing the risk of blood transfusion of neonates, especially suitable for neonates suffering from jaundice severely. Soft and comfortable transparent mesh mattress prevent patient from bedsores available and protect neonate's skin; besides, the lower blue light can penetrate the bed adequately which increase the curative effect. The treatment and hospitalization time can be massively shortened; and the beds in ward available for more urgent patients.



meets the guidelines of the American Academy of Pediatrics (AAP) for intense phototherapy equipments.

( \*American Academy of Pediatrics, clinical practice guideline, subcommittee on hyperbilirubinemia: Management of hyperbilirubinemia in the newborn infant 35 or more weeks of gestation, 2004; 297-316. )

■ **The air temperature is automatically adjusted to provide a more comfortable ambient environment**

Newborns need to maintain body temperature at an appropriate ambient temperature to avoid hyperthermia or hypothermia effect. The adapts servo fan control system to ensure that an ambient temperature is maintained within a comfortable range (30-34 °C ) under normal operating conditions. Operator can also manually control the upper and lower light boxes, or adopt other measures to adjust the equipment environment.



# Specification

## Performance Parameters

- Air temperature: 5°C ~ 65°C
- Skin temperature: 5°C ~ 65°C
- Working noise: ≤55dB
- 5.1 inch color touch LCD screen
- Service life of light source: ≥50000 hours
- Light source: Blue LED
- Irradiation intensity: 5.0mW/cm<sup>2</sup> ( =83μw/ cm<sup>2</sup>/nm )
- Peak wavelength: 455-460nm
- Maximum load of I.V. Pole: 2kg
- Maximum load of tray: 3.5kg
- Maximum load of cabinet: 2kg
- Power requirement: 220V±10%--50~60HZ  
or 110V±10%---50~60HZ (optional)

## Alarm Function

- Upper limit for skin temperature alarm: 33°C ~39°C (adjustable)
- Lower limit for skin temperature alarm: Upper limit for skin temperature alarm -3°C
- Alarm for high air temperature
- Notification for high air temperature
- Alarm for low air temperature
- Alarm for the end of treatment
- Bed pull-out alarm: 10min
- Power failure alarm

## Dimension

- Length: 80cm
- Width: 90cm
- Height: 138-153cm (with VHA stand)  
145cm (without VHA stand)
- Size of bed: 54 x 27.2cm
- Weight:< 100kg

## Operating Environment

- Ambient temperature: +20 °C ~ +28 °C
- Humidity: 30% ~ 75%
- Storage ambient temperature: -40 °C ~ +55 °C
- Storage humidity: ≤93%

## Standard accessories

- Neonate bilirubin phototherapy Bassinet
- Skin temperature sensor
- I.V. pole
- Power cord
- Type F fuse 3.15AH/250V
- Mattress
- Operator's Manual
- Certification
- Warranty card

**Provide a safer and more convenient operation**

- a). Equipped with independent air temperature and skin temperature monitoring function, built-in box temperature alarm system, and users can also set skin temperature alarm limit.
- c). The bed self-detection function: Whenever the bed is pulled out, the screen will display "open" status. Then the device will enter the alarm mode to remind you until that the bed stays in bassinet properly.

- b). The warm-up mode can be selected or cancelled freely when the device is turned on.
- d). The phototherapy timing function: After phototherapy mode is triggered, the phototherapy timing function will automatically turned on; whenever the bed is pulled out, the device will automatically turn off treat lights to protect operators from light damage; after the bed is reset, the blue light irradiation will resume work.



**Warm-up Mode**



**LCD color touch screen**



**Blue LED tubes**



**Warning light**

**Time/alarm display area**



**Large Observation Window**



**Soft and transparent mesh bed**

**Better user-friendly design**

- a). Color touch screen offers a better interactive experience for its outstanding user interface.
- b). 360-degree visual warning light.
- c). Large observation window facilitates user observation on patient and suffer less light's damage meanwhile.
- d). Soft and transparent mesh bed can effectively prevent bedsore and protect neonate's skin; besides, the lower blue light can penetrate the bed adequately which increase the curative effect.
- e). The eco-friendly and economical blue LED tubes not only reduces energy consumption effectively but also provides longer effective treatment time.
- f). RS-232 connector for data output.