

Calima Force Air Warming System

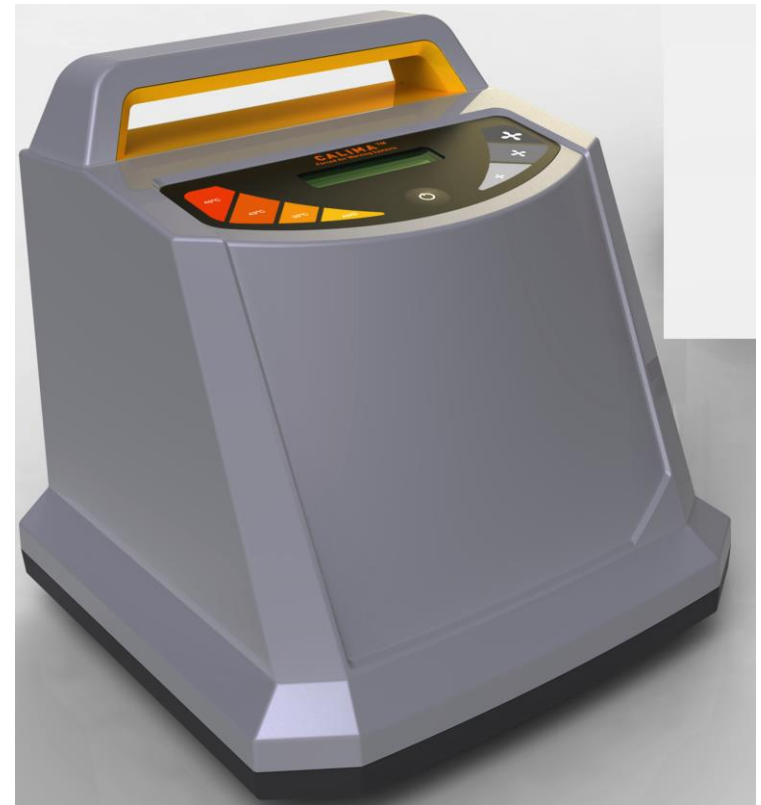


Calima™



Forced Air Warming System

- Robust & compact
- Most powerful & quietest blower
- 3 turbine speeds levels to optimise performance and noise levels
- 4 temperature settings including boost
- Light & flexible hose
- Reliable & easy to use connector
- Flexible hose & MRI compatible
- Simply design & low maintenance
- Competitive price

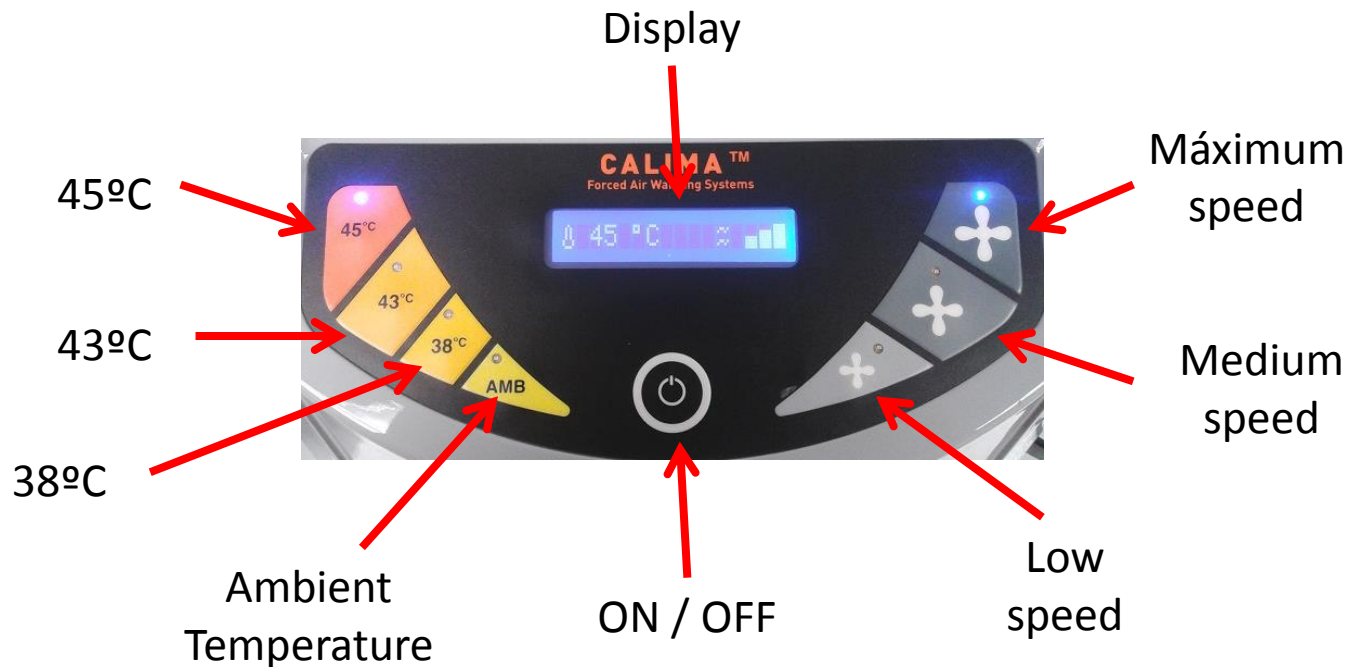


Forced Air Warming System

- Size: 285x280x290 (H x W x D)
- Weight: 5,70Kg
- Air temperature of output: Ambient, 38°C, 43°C y 45°C
- Accuracy: $\pm 1^{\circ}\text{C}$
- Air speed of output:
 - Low: 9m/s
 - Medium: 13m/s
 - High: 16m/s
- Power supply: 230V_{AC} 50Hz
- Fuse: 2x6A (5x20mm medium acting)
- Protection against fluid ingress: IPX2
- Thermal protection: Internal thermostat
- Electrical class protection: Class I (IEC 61140)
- Electrical Medical classification: BF (IEC 60601-1)
- Air filter: HEPA 0.15-0.2 Micron

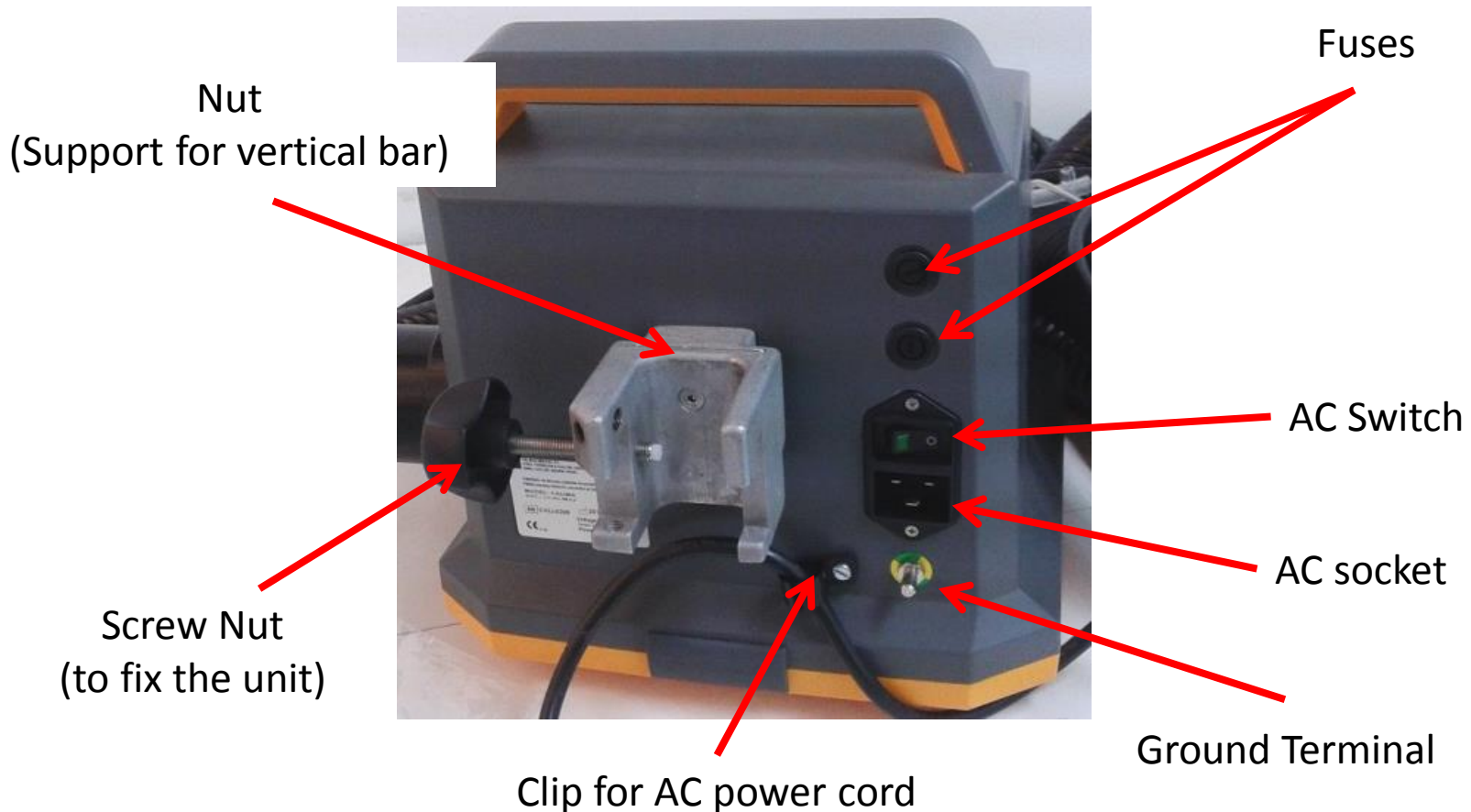
Calima Key Pad

- Keypad:



Calima™ Rear View

- Rear:



Calima Normal Operation



- When the unit is turned ON it starts with ambient temperature (AMB) and the minimum speed. If the unit starts after power off by the switch or by a power outage the unit keeps the last configuration.
- The keys “AMB”, “38°C”, “43°C” and “45°C” select the desired air temperature.
- Special Boost feature:
 - Note: when select 45°C the unit will default to 43°C for safety reasons after 45minutes.
- The keys Minimum, Medium and Maximum
- select desired the fan speed.

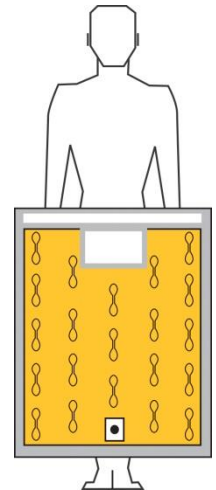
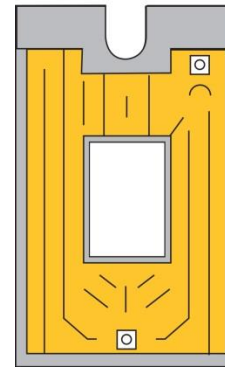
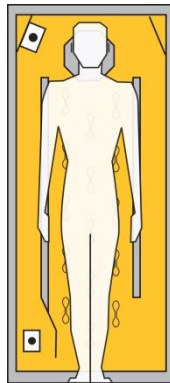
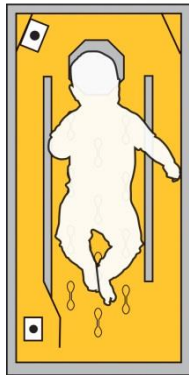
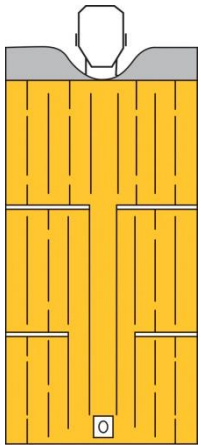
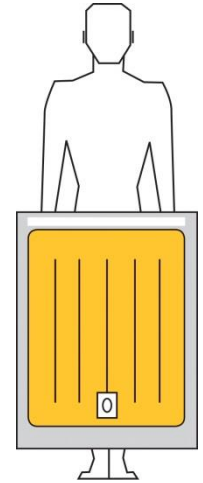
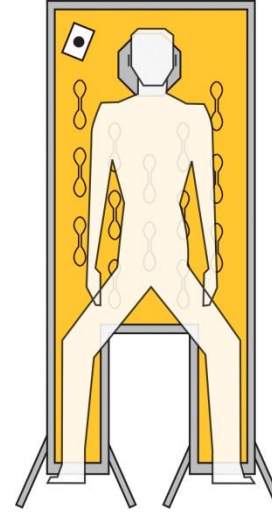
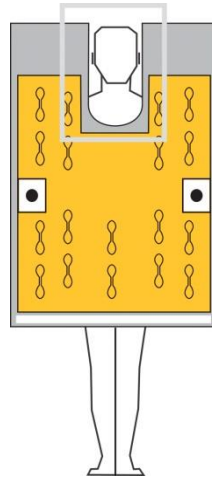
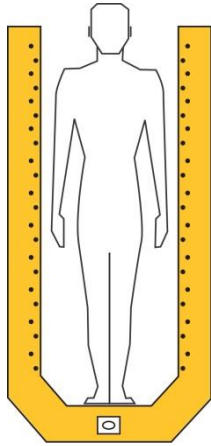
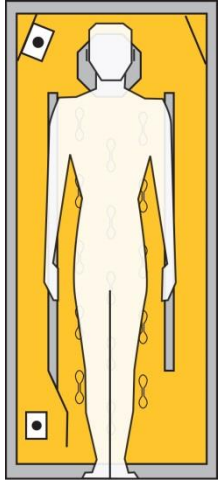
Calima™ Alarm Parameters

- **Electronic Safety system:**
 - The control the temperature is with 4 sensors, 2 sensors inside the machine (output of turbine) and 2 sensors inside the output of the hose, with an accuracy $\pm 1^{\circ}\text{C}$.
- **Analogical Safety system:**
 - Thermal fuse over temperature. Actuation temperature is 93°C . It's in the heater block.

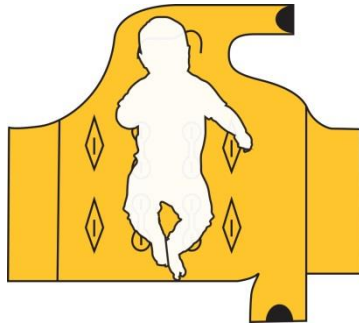
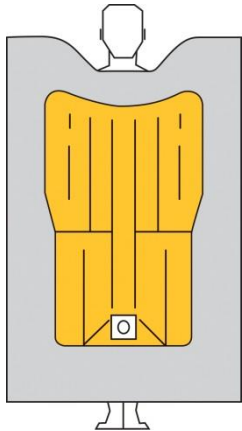
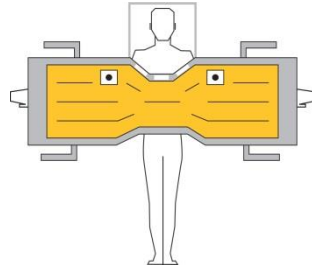
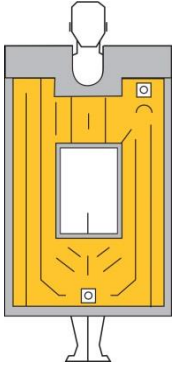
Alarm Parameters

- **Priority level:**
 - Low priority alarms (“!”): a message is displayed:
 - Filter life < 50h.
 - Medium priority alarms (“!!”): a message is displayed :
 - Filter life < 10h.
 - Overheating.
 - High priority alarms (“!!!”): a message is displayed continuously and stop of machine:
 - Filter Life = 0h.
 - Over Temperature.
 - Temperature sensors error.
 - Resistor error.
 - Turbine error.
 - No Filter error.

Calima™ Blankets



Calima™ Blankets



- **Upper body**
- **Full body**
- **Lower body**
- **Pediatric over body**
- **Neo-natal underbody**
- **Multi-access**
- **Surgical access**
- **Torso**
- **Adult underbody**
- **Pediatric underbody**
- **Cath lab**
- **Lithotomy**
- **Sterile lower body cardiac**
- **Sterile cardiac Access**
- **Sterile adult underbody**

