**Specifications**

**Defibrillator**

**Waveform:** Biphasic Truncated Exponential with voltage and duration compensation for patient impedance.

**Patient Impedance Range:** 10 – 300 ohms

**Energy Accuracy:**
- 10% of the energy setting into 50 ohms
- 15% of the rated energy output into 25 – 175 ohms

**Output Energy Sequence:** Multiple levels, configurable from 150 joules to 360 joules.

**Energy Default:**
- 200J, 300J, 360J (adult)
- 50J, 75J, 90J (paediatric)

**Shock Advisory System™:** An ECG analysis system that advises whether a shock is appropriate; meets rhythm recognition criteria specified in IEC 60601-2-4.

**cprINSIGHT™ Analysis Technology:** Enables the defibrillator to analyse the patient’s heart rhythm while CPR is being performed.

**CPR Coaching:** Instructions for adult and paediatric CPR, including feedback when no CPR is detected, rate and depth guidance, a metronome and instructions on hand placement.

**Time to Shock at 360J after CPR (with cprINSIGHT enabled):**
- Semi-Automatic: < 7 seconds
- Fully Automatic: < 13 seconds

**Charge Time:** 0 seconds for first 150J or 200J shock (as device is pre-charged). With cprINSIGHT enabled, subsequent shocks will be charged during CPR and ready to shock at the end of the CPR period.

**Controls**

- **Lid Release/ON-OFF:** Controls device power.
- **Shock button, Semi-automatic:** Delivers energy when button pressed by the user.
- **Shock button, Fully Automatic:** Flashses prior to delivering shock without requiring user intervention.
- **Child Mode Button:** Allows operator to switch to Child Mode for reduced energy and CPR guidance appropriate for children.
- **Language Button:** Allows operator to switch between the Primary and Secondary languages for an optional multi-language configuration.
- **Electrical Protection:** Input protected against high voltage defibrillator pulses per IEC 60601-1/EN 60601-1.
- **Safety Classification:** Internally powered equipment. IEC 60601-1/EN 60601-1.

**User Interface**

**User Interface:** The user interface includes voice prompts and audible tones.

**ClearVoice™ Technology:** Volume adjusts automatically based on the noise level of the surrounding environment.

**Device Status Indicators:** Visual and audible indicators indicating system readiness (device, pads and battery).

**Environmental**

**Note:** All performance specifications defined assume the unit has been stored (two hours minimum) at operating temperature prior to operation.

**Operating Temperature:** 0° to +50°C (+32° to +122°F).

**Storage Temperature:** -30° to +60°C (-22° to +140°F) with battery and electrodes, maximum exposure time limited to one week.

**Long Term Storage:** Always store the defibrillator within the recommended temperature range of 15° to 35°C (59° to 95°F).

**Altitude:** -382 to 4,572 m (-1,253 to 15,000 ft).

**Relative Humidity:** 5 to 95% (non-condensing).

**Water Resistance:** IEC 60529/EN 60529 IPX5 with electrodes connected and battery installed.

**Dust Resistance:** IEC 60529/EN 60529 IP5X with electrodes connected and battery installed.

**Shock:** MIL-STD-810F, Method 516.4, Procedure 1, (40g, 6-9 ms pulse, 1/2 sine each axis).

**Vibration:** MIL-STD-810F, Method 514.4, Helicopter – category 6 (3.75 Grms) and Ground Mobile – category 8 (2.65 Grms).

**Physical Characteristics**

**With handle, including electrodes and battery:**

- Height: 9.7 cm (3.8 in)
- Width: 22.6 cm (8.9 in)
- Depth: 27.4 cm (10.8 in)
- Weight: 2.0 kg (4.5 lb)