TELEFUNKEN Defibrillator Technical Data:

Device	Value
Dimensions	220 x 275 x 85mm (h-w-d)
Weight including battery	2,6 kg
Device class according guideline 93/42/EEC	IIb
Operation conditions Temperature range Pressure Humidity	 0° C - 50°C 800 – 1060 hPa 30% – 75%
Storage Conditions Temperature range (max. 2 weeks) Pressure Humidity	 -20° C - 60°C 800 – 1060 hPa 0% – 95%
Protection class against water and dust	IEC 529: IP X54 (splash water protected)
Free Drop	IEC 601-1:1988+A1:1991+A2:1995
Electromagnetic compatibility	EN 60601-1-2:2001 CISPR 11(EN 55011) EN 61000-4-2:1995/A1 :1998/A2 :2001 EN 61000--4-3: 2002/A1 :2002 EN 61000-4-8: 1993+A1 :2001
Applied norms	EN 60601-2-4:2003
Resuscitation protocol	ERC / AHA 2010
Self Test Interval Time Scope	 Daily, monthly, at switch on Programmable (service only) Battery, electronic, software, high current
Electrodes Delivery status Cable length Electrode surface Durability Transport/storage	 self-adhesive disposable electrodes 200cm 125cm2 each 40 month 0° C - 50°C
Energy supply Type Weight Shock capacity Minimum capacity Monitoring capacity Rated capacity Battery exchange Fuse Stand by time	 Alkaline 930gr Up to 210 Shocks 100 Shocks Up to 20 hours 3400 mAh Every 3 year 15A 5 year

Defibrillation Analysis	
Operation mode	Automated (1 button operation)
Waveform	Biphasic, current controlled
Delivered energy	Low energy (max. 181J at 75Ω) High energy (max. 275J at 75Ω)
Delivered energy at 50Ω	Low energy: 174J < +/- 15% High energy: 270J < +/- 15%
Max. Patient Impedance	290Ω
Shock sequence	Programmable (service only) constant or escalating
Cycle time (analysis and shock preparation)	
With full battery	< 15 sec
After 15 shocks	< 20 sec
After 6 shocks	< 15 sec
Cycle time (Switch-on, analysis and shock preparation)	
With full battery	< 40 sec
After 15 shocks	< 45 sec
After 6 shocks	< 40 sec
Defibrillation System	Low (168J +/- 10% at 50Ω)
Energy level programmable (service only)	High (298J +/- 10% at 50Ω)
ECG analysis	
Analysis time	< 10 sec
Impedance control	Control of electrode contact quality
Motion & artifact detection	Continuous check of signal quality Acoustic warning at motion detection
Reaction on implanted pacemaker	Normal pacemaker rhythms are correctly recognized and identified as non-shockable
Asystole threshold	< ±80µV
Sensitivity VF/fast VT	> 90%, typ. 98%
Specificity NSR/asystole	> 95%, typ. 96%
Operation	
Operation control	On/Of button, flashing shock button, information button
Information Mode	Announcement of elapsed time and number of shocks since the device was started by pressing the on/off button
Indicators	-Lit symbols Device status indicators (Ready, battery change, self-test result / service indicator
Acoustic signals	voice prompts Signal tones (in use) Signal tones (in stand-by mode for device failure or low battery power)
Communication	USB 2.0 (service only)
Languages	**Danish, Dutch, English, French, German, Italian, Mandarin Chinese, Norwegian, Russian, Spanish, Swedish**