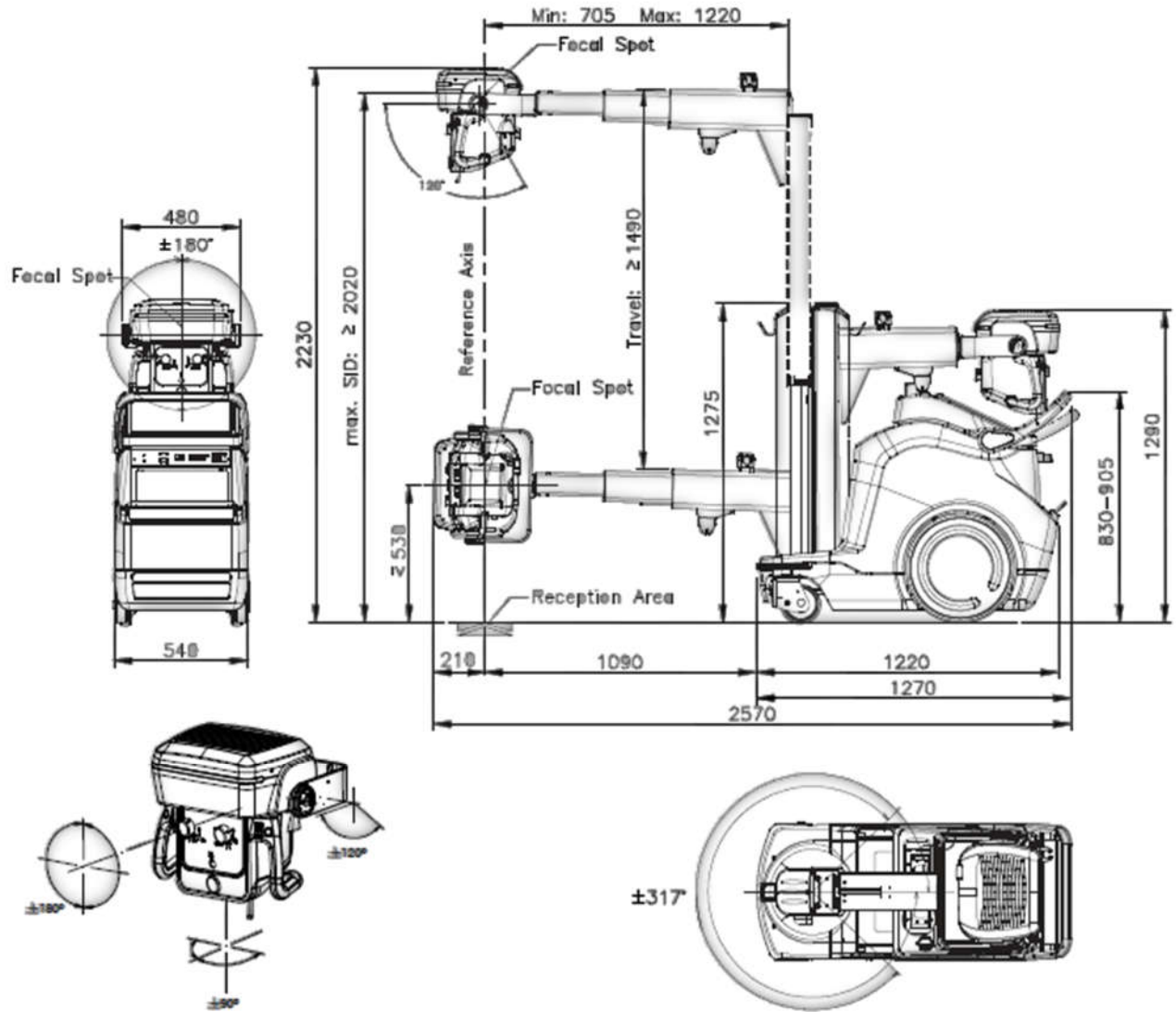






**Digital Mobile System**

- Standard tube head, electromagnetic locks with omni-directional movement
- Telescopic arm with three sections, telescoping and rotating column (317°)
- Control console with 19" color touchscreen
- Single-handed maneuverability using dead-man handle with capacitive touch technology
- Motor-assisted driving with energy recovery technology

**Size, Reach, and Motion**



Max. Distance from Focal Spot of X-Ray tube to Floor (SID)	202 cm (79.5")
Min. Distance from Focal Spot of X-Ray tube to Floor	53cm (20.8")
Vertical Travel (X ray beam parallel to the floor)	149cm (58.6")
Telescopic-Arm Max Distance:	122cm (48")
Telescopic-Arm Min. Distance	70.5 cm (27.7")
Telescopic-Arm displacement	51.5 cm (20.3")

Collimator Rotation Detent		±90° 0°
Head Rotation around arm axis Detents		±180° -90°, 0°, +90°
Head rotation around axis perpendicular to arm Detent		- 30° /+90° 0°
Head Movement Brakes		Electromagnetic; Omni-directional Movement

### Park Position

Dimensions (HxWxD)	129x54x127cm (50.7x21.3x50")
Height	Max 223 cm (87.8") Min 129 cm (50.8")
Weight	520 kg (1146.4 lb)



### Driving Movement

Single-handed operation using dead-man handle with capacitive touch technology.

Maximum Speed (Parking Position)	Forwards: approx. 5.5 km/h Backwards: 2.5 km/h
Column Rotation	±317°
Areas with maximum step	2cm (0.8")
Maximum Grade	8°

### Generator

32 kW standard, 20, 40, 50 kW available

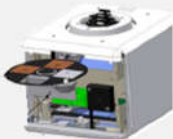
<b>GENERATOR TYPE</b>	<b>BATTERIES &amp; STAND ALONE, SINGLE PHASE, HIGH FREQUENCY, LOW SPEED, 1 TUBE</b>
<b>INPUT LINE OPERATION</b>	100/240Vac
<b>FREQUENCY</b>	50/60kHz
<b>MAXIMUM POWER kW</b>	32kW (according to IEC definition 0.1s, 100kV)
<b>MINIMUM POWER</b>	0.4 kW (40kVp 10mA)
<b>kVp RANGE</b>	From 40kVp to 150kVp. In steps of 1kVp
<b>mAs RANGE</b>	From 0.1mAs to 500mAs in 38 steps, Renard10 Scale.

<b>mA RANGE</b>	From 10 mA to 500 mA in 18 steps, Renard10 Scale. 10,12.5,16,20,25,32,40,50,63,80,100,125,160,200,250,320,400,500
<b>EXPOSURE TIME RANGE</b>	1.0 ms, From 1.0 ms to 10,000 ms (0.001 to 10 seconds) Maximum Exposure Time Range for DR: From 1 ms to 2.5 seconds
<b>POWER OUTPUT (@ 0.1s)</b>	150kVp @ 200mA 128kVp @ 250mA 100kVp @ 320mA 80kVp @ 400mA 64kVp @ 500mA
<b>RIPPLE FACTOR</b>	< 4 %
<b>ACCURACY KVP</b>	± (3 % +1 kV)
<b>AUTOMATIC COMPENSATION LINE</b>	±10VAC
<b>DUTY CYCLE</b>	18 exposures per hour at maximum mAs (lapse time between exposures: 3min.)

### Tube – E7886

<b>Maximum Voltage</b>	150 kV
<b>Focus sizes</b>	<ul style="list-style-type: none"> <li>• Small Focus 0.7 mm.</li> <li>• Large Focus 1.3 mm.</li> </ul>
<b>Maximum Power (at 0.1s)</b>	<ul style="list-style-type: none"> <li>• Small focus 17 kW (60 Hz), 28 kW (180 Hz),</li> <li>• Large focus 40 kW (60 Hz), 64 kW (180 Hz).</li> </ul>
<b>Maximum Current</b>	<ul style="list-style-type: none"> <li>• Small focus 280 mA.</li> <li>• Large focus 550 mA</li> </ul>
<b>Anode degree target angle</b>	16°
<b>Anode heat capacity</b>	300 kHU
<b>Anode Heat Dissipation Capacity</b>	73.56 kHU/min
<b>Housing Heat capacity</b>	1,500 kHU.
<b>Housing Heat Dissipation Capacity</b>	8.46 kHU/min
<b>Anode rotation</b>	2700rpm (50Hz), 3200rpm (60Hz)
<b>Anode composition</b>	Tungsten
<b>Anode Diameter</b>	74 mm
<b>Filtration equivalent</b>	0.9 mm Al equivalent (at 75kV)

### Collimator

<b>Square Field</b>	Max FOV 43x43cm at SID 1meter	<b>LED Light Field</b>	<ul style="list-style-type: none"> <li>• High Luminosity (High White LED wit electronic timer).</li> <li>• Over 200LUX Guaranteed at 1m</li> </ul>
<b>Radiation Leakage Protection</b>	• 150kVp	<b>Measuring Tape Shutters</b>	<ul style="list-style-type: none"> <li>• Included for SID Measurements</li> <li>• 6 Pairs of Shutters</li> </ul>
<b>Inherent Filtration Equivalent at</b>	• 2mm AL	<b>Collimator Lamp Button and laser activation</b>	<ul style="list-style-type: none"> <li>• To turn on the collimator lamp and laser lights.</li> </ul>
<b>Dual Laser</b>	The projection of a single line means that the two lines overlap and consequently the lasers are correctly focused at 1m SID.	<b>Additional Variable Filtration</b> 	<ul style="list-style-type: none"> <li>• <b>Motorized</b></li> <li>• 1mm AL + 0.1mm Cu</li> <li>• 1mm AL 0.2 mm Cu</li> <li>• 2 mm AL.</li> </ul>
<b>Position Reading</b>	• Supplementary safety device to ensure correct Shutters positioning.		

### Detector – 1417X or 1717X Available

Detector Technology	Amorphous Silicon (a-Si) TFT
Scintillator	CsI (Cesium Iodide)
Active Area	350x430mm OR 430x430mm
Pixel Matrix	3500 x 4300 OR 4267x4267
Pixel Pitch	100 µm
AD Conversion	16bit
Battery Capacity	8.5h
WiFi	2.4G and 5G
Trigger Mode	<ul style="list-style-type: none"> <li>• Software (with Auto-Exposure Detection).</li> <li>• AED (Optional).</li> </ul>
Dimensions	384x460x15mm (1417) OR 460x460x15mm (1717)
Weight with battery	3.0 kg (1417) OR 3.4 kg (1717)
Drop Monitoring	Realtime
Static Loading	300 kg (over the surface)
Ingress Protection	IP56
Drop Height	100cm @3mm PVC
MTF (LP/mm (@RQA5))	70% (1 lp/mm), 40.4% (2 lp/mm), 22.8% (3 lp/mm), 8.2% (Nyquist)
DQE (LP/mm (@RQA5))	73.4% (0lp/mm), 55.9% (1 lp/mm), 40.4% (2 lp/mm), 28% (3 lp/mm), 8.1% (Nyquist)
Operating Temperature	10-40 °C
<b>BATTERIES</b>	
Rated Capacity	Min. 4700mAh, Typ. 4900mAh @ Discharge 0.2C
Nominal Voltage	11.55V
<b>BATTERY CHARGER</b>	
Simultaneous Charging	Pack of 2 batteries
Full charging time	4 hours (0-100%)
Rated power supply	24V(DC)

### Batteries – Generator and Motor Separate Arrays

**OBM (Optimized Battery management):** Extended lead acid battery life thanks to the optimized battery management.

**Energy Recovery Technology:** Braking recharges the batteries

**Capacity per battery:** 15 Ah.

**Total energy storage capacity:** 5760Wh.

**X-Ray Exposure Autonomy:** More than 800 exposures (80 kV - 400 mA - 5ms).

**Autonomy:**

- More than 11 hours in stand-by (system ready to work).
- More than 25 km @ 5,5 km/h.
- Up to 1 km moving the unit once the exposure capacity is exhausted.

**Power Line/Charging Time:**

- 100-120VAC 50/60 Hz, 10A max; Supply cable provided with USA standard 120VAC plug.
- ~8 hours to charge 100%.
- ~20% charge every hour for the first 4 hours.

**Charging Immediacy:** Allows exposures as soon as it is plugged in.