

# System specifications 1/2

## MR45 – Siemens Aera 1.5T – Trailer

<b>SYSTEM INFORMATION</b>	
Manufacturer and model	Siemens Magnetom Aera 1.5T TiM + DOT system
Year of manufacture	2021
Gradient type	XJ Gradients
No. of channels	24
<b>MAGNET INFORMATION</b>	
Field strength	1.5T
Frequency	80 MHz
Magnet bore diameter	70 cm.
<b>GRADIENT INFORMATION</b>	
Max. amplitude (Each axis)	33 mT/m, per axis, i.e. 57 mT/m vector
Max. slew rate (Each axis)	125 T/m/s per axis, i.e. 216 T/m/s vector
Max. FOV with max. amplitude	Max. amplitude 33mT/m
<b>RESOLUTION PARAMETERS</b>	
Max. FOV	50 cm.
Min. FOV	0,5 cm.
Max. scan matrix	1024
Max. recon matrix	1024
Min. Slice thickness 2D/3D	0,1 mm/0,05 mm
Highest in-plane resolution	50 × 50 × 45 cm <sup>3</sup> DEV, typ. 3.1 ppm based on the 24-plane
<b>PATIENT TABLE INFORMATION</b>	
Max. table load	250 kg.
Horizontal travel	261 cm.
Table scan range	140 cm.
Min. table height	52 cm.
Positioning pads incl.?	Yes

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<p><b>CONSOLE AND WORKSTATION(S)</b></p> <p>Console computer</p> <p>Console software version</p> <p>Console software packages</p> <p>Storage capacity</p>	<p>Syngo Acquisition Workplace</p> <p>Syngo XA30A</p> <p>Tim Application Suite (Tim CT FastView), Neuro Suite, Angio Suite, Cardiac Suite, Body Suite, Onco Suite, Breast Suite, Ortho Suite, Pediatric Suite, Scientific Suite), Turbo Suite Essential, Susceptibility Weighted, Imaging, Advanced, WARP, Syngo Expert-i</p> <p><b>Three hard disks:</b> System SW ≥ 300 GB SAS Data base ≥ 300 GB SAS Images ≥ 300 GB SAS</p>
<p><b>INJECTOR SYSTEM</b></p> <p>Manufacturer and model</p> <p>Model no.</p>	<p>Medrad MRXperion</p> <p>84200085</p>
<p><b>COILS</b></p> <p>Coils</p>	<p>Body 6ch., Body ch. long, Head/Neck 16ch., Shoulder 16ch. Large, Shoulder 16ch. Small, Hand/Wrist 16ch., Spine 24ch., Tx/Rx Knee 15ch., Foot/Ankle 16ch., Flex Large 4ch., Flex Small 4ch.</p>