

System specifications 1/2

MR28 – Siemens Aera 1.5T – Relocatable

SYSTEM INFORMATION	
Manufacturer and model	Siemens Magnetom Aera 1.5T TiM + DOT system
Year of manufacture	2019
Gradient type	XJ Gradient
No. of channels	48
MAGNET INFORMATION	
Field strength	1.5T
Frequency	80 MHz
Magnet bore diameter	70 cm.
GRADIENT INFORMATION	
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
RESOLUTION PARAMETERS	
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 ³ DEV, typ. 3.1 ppm based on the 24-plane
PATIENT TABLE INFORMATION	
Max. table load	250 kg.
Horizontal travel	261 cm.
Table scan range	140 cm.
Min. table height	52 cm.
Positioning pads incl.?	Yes

System specifications 2/2

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CONSOLE AND WORKSTATION(S)		
Console computer	Syngo Acquisition Workplace	
Storage capacity	Three hard disks System SW ≥ 300 GB SAS Data base ≥ 300 GB SAS Images ≥ 300 GB SAS	
Console software version	Syngo MRE11C	
Console software packages	Advanced Diffusion T+D, SWI, Advanced WARP T+D, Inline Composing syngo, Tim Planning Suite , Composing, Quiet Suite T+D, Turbo Suite Essential, Flow Quantification, Advanced Cardiac Package T+D, TWIST, Teamplay Basic	
INJECTOR SYSTEM		
Manufacturer and model	Medrad MRXperion	
Model no.	3012011	
COILS		
Coils	Body long 18ch. Shoulder Kit 16ch. Hand/Wrist 16ch. Tx/Rx Knee Flare 15ch. Foot/Ankle 16ch. Flex Large 4ch. Flex Small 4ch.	
Integrated Coils	Head/Neck 1.5T 20ch. Spine 1.5T 32ch.	
CONSUMABLES		
PRODUCT CODE	PRODUCT DESCRIPTION	BOX SIZE
XP 65/115VS	Mrxperion dual syringe pack with patient line filling spike	Box 20