

# Phillips 3T MRI Scanners Setup

Recommended Settings are in red

## Geometry

Coil selection = SENSE-head  
element selection = SENSE  
connection = d  
Dual connector = no  
**FOV (mm) = 256.00**  
RFOV (%) = 94.00  
Foldover suppression = no  
**Matrix scan = 192**  
reconstruction = 256  
**Scan percentage (%) = 100.00**  
SENSE = yes  
P reduction (AP) = 1.00  
S reduction (RL) = 1.00  
Body tuned = no  
Overcontiguous slices = no  
Stacks = 1  
**Slices = 170**  
**Slice thickness (mm) = 1.20**  
**Slice orientation = sagittal**  
**Foldover direction = AP**  
**Fat shift direction = F**

Use geometry = none  
Chunks = 1  
PlanAlign = no  
REST slabs = 0  
Catheter tracking = no  
Interactive positioning = no  
Allow table movement = no  
**Patient position = head first**  
**Orientation = supine**

## Contrast

**Scan mode = 3D**  
**Technique = FFE**  
**Contrast enhancement = T1**  
Acquisition mode = cartesian  
**Fast Imaging mode = TFE**  
Shot mode = multi-shot  
**TFE factor = 240**  
Startup echoes = default  
**Shot interval = user defined**  
**(ms) = 3000.00**  
**Profile order = linear**  
Turbo direction = Y  
Randomized shots = no

**Echoes = 1**  
**Partial echo = no**  
**Shifted echo = no**

**TE = shortest**  
**Flip angle (deg) = 8.00**  
**TR = shortest**  
**Half Scan = no**  
**Water fat shift = user defined**  
**(pixels) = 1.800**

Shim = auto  
SPIR = no  
SPAIR = no  
**TFE prepulse = invert**  
**Slice selection = no**  
Delay = shortest

ProSet = no  
MTC = no  
T2prep = no  
Research prepulse = no  
Diffusion mode = no  
SAR mode = high  
B1 mode = default  
PNS mode = low  
**Gradient mode = maximum**  
SoftTone mode = no

## Motion

Cardiac synchronisation = no  
Respiratory compensation = no  
Navigator respiratory comp = no  
Flow compensation = no  
fMRI echo stabilisation = no  
NSA = 1  
Dyn/ang  
Angio = no  
Quantitative flow = no  
Manual start = no  
Dynamic study = no  
Flow labelling = none

## Postproc

Preparation phases = auto  
B0 field map = no  
MIP/MPR = no

## Images

0: M no no no  
Autoview image = M  
Reference tissue = Grey matter  
Preset window contrast = soft  
Reconstruction mode = immediate  
Save raw data = no  
Push to workstation = no  
Hardcopy protocol = no  
Ringing filtering = yes  
Offc/ang  
Stacks = 1  
Stack Offc. AP (P=+mm) = 0.00  
RL (L=+mm) = 0.00  
FH (H=+mm) = 0.00  
Ang. AP (deg) = 0.00  
RL (deg) = 0.00  
FH (deg) = 0.00

## Info

SAR (W/kg) / (level) = <0.2 / 0  
PNS (%) / (level) = 54 % / normal  
Total scan duration = 09:19.7  
Act. TR/TE (ms) = 6.8 / 3.3  
ACQ voxel MPS (mm) = 1.00 / 1.00 / 1.20  
REC voxel MPS (mm) = 1.00 / 1.00 / 1.20  
Scan percentage (%) = 100.0  
TFE shots = 187  
TFE dur. shot / acq (ms) = 1683.4 / 1642.0  
Min. TI delay = 853.8  
Act. WFS (pix) / BW (Hz) = 1.800 / 241.3  
Min. WFS (pix) / Max. BW (Hz) = 0.329 / 1319.9  
Rel. signal level (%) = 100.0