

PRIZMED Imaging MRIMedicalScanners.com MRI SCANNER COMPARISON TABLE

| Manufacturer | Model | Price Range | Field Strength | Configuration | Synchronization | FOV | Bore Diameter | Magnet Weight | H-Field | Power Requirements | Cooling System | Cryogen Use | Strength | 5 Gauss Fringe Field |
|--------------|--|----------------|----------------|--------------------------------|--------------------|-------------------|-------------------|-----------------|---|--|-------------------|------------------|------------------|----------------------|
| Esaote | Opera (E-SCAN XQ) | 195k-225k | 0.2 T | Open MRI | N/A | 17 cm | 24 cm H, open | 2250 kg, 4960 l | 79 x 65 x 85 cm | 2.0 kW; 110/220 V single phase | N/A | 20 mT/m | 150 cm/130 cm | |
| Esaote | G-Scan | 220k-250k | 0.25 T | Open MRI | N/A | 100 up to 350 mm, | 33 cm H, open | N/A | N/A | 100/110/200/220/230/24 N/A | N/A | 25 mT/m | 180 cm | |
| Esaote | C-Scan | 180k-210k | 0.2 T | Closed | N/A | 10 - 20 cm | 33.6 x 16 cm | 960 kg | 124 x 76 x 60 cm | 100/110/200/220/230/24 N/A | N/A | 10 mT/m | 28 cm/60 cm | |
| Fonar | FONAR UPRIGHT Multi-Position | 420k-450k | 0.6 T | Ant-open and Top-open M | | Min. 6.0 cm | 45.72 cm horizont | | | 480 Volt, 3-phase, 125 / Water (closed-l | N/A | 20 mT/m | N/A | |
| GE | Signa HDx 1.5T | 280k-310k | 1.5 T | Short Bore Compact | ECG/peripheral | 1 cm to 48 cm | N/A | N/A | N/A | 480 or 380/415 | Closed-loop wa | Less than 0.3 L | N/A | |
| GE | Signa Excite 3.0T | 300k-330k | 3.0 T | Short bore | ECG/peripheral | 48 cm | 60 cm | 4515 kg | 172 x 226 x 216 | 480 or 380/415 V | Closed-loop wa | Less than 0.3 L | 50 mT/m | |
| GE | Signa HDXT 3.0T | 360k-390k | 3.0 T | Short bore | ECG/peripheral | 48 cm | 60 cm | 4500 kg | 172 x 226 x 216 | 480 or 380/415 V | Water Cooling | Less than 0.3 L | 50 mT/m | |
| GE | Signa MR750 3.0T | 375k-405k | 3.0 T | Short bore | ECG/peripheral | 48 cm | 60 cm | 4300 kg | 172 x 226 x 216 | 480 or 380/415 V | Closed-loop wa | Less than 0.1 L | 50 mT/m | |
| GE | Discovery MR450 1.5T | 355k-385k | 1.5 T | Closed | ECG/peripheral | 48 cm | 60 cm | 4200 kg | 160 x 230 x 156 | 50 kVA; 400 V, 3-phase | Helium-cooled | | 33 mT/m | |
| GE | 1.5T LX 9X | 85k-115k | 1.5 T | Closed | | 42 cm | 60 cm | 4000kg | | | | Less than 0.5 L | 33 mT/m | |
| GE | LX High-Speed 1.5T mobile | 85k-115k | 1.5 T | Closed-bore MRI | ECG/peripheral | 48 cm | 60 cm | 4000kg | | 50 kVA; 400 V, 3-phase | | Less than 0.5 L | 33 mT/m | |
| GE | LX High-speed 1.5T | 90k-120k | 1.5 T | Closed-bore MRI | ECG/peripheral | 48 cm | 60 cm | 4000kg | | 50 kVA; 400 V, 3-phase | | Less than 0.5 L | 33 mT/m | |
| GE | Signa Vibrant 1.5T | 250k-280k | 1.5 T | Closed-bore MRI | | 48 cm | 60 cm | 4000kg | | | | Less than 0.5 L | 33 mT/m | |
| GE | Echospeed Plus 9X 1.5T | 100k-130k | 1.5 T | Closed-bore MRI | ECG/peripheral | 48 cm | 60 cm | 4000kg | 160 x 230 x 150 | 400 V, 3-phase | Helium-cooled | | 33 mT/m | |
| GE | Signa HDxt 1.5T | 225k-255k | 1.5 T | Closed-bore MRI | ECG/peripheral | 45 cm | 60 cm | | | 400 V, 3-phase | Helium-cooled | | | |
| GE | EXCITE II 12X 1.5T | 210k-240k | 1.5 T | Closed-bore MRI | ECG/peripheral | 45 cm | 60 cm | | | | Helium-cooled | | 33 mT/m | |
| GE | EXCITE 16X 1.5T | 255k-285k | 1.5 T | Closed-bore MRI | ECG/peripheral | 45 cm | 60 cm | | | 400 V, 3-phase | Helium-cooled | | 33 mT/m | |
| GE | EXCITE HiSpeed 11X 1.5T | 175k-205k | 1.5 T | Closed-bore MRI | ECG/peripheral | 45 cm | 60 cm | | | 400 V, 3-phase | Helium-cooled | | 33 mT/m | |
| GE | Signa EXCITE 1.5T | 165k-195k | 1.5 T | Closed-bore MRI | ECG/peripheral | 45 cm | 60 cm | | | 400 V, 3-phase | Helium-cooled | | 33 mT/m | |
| GE | Signa Infinity 1.5 TwinSpeed w/ Excite | 295k-325k | 1.5 T | Short Bore | ECG/peripheral | 1 cm to 48 cm | 60 cm | 3863 kg | 172 x 208 x 216 | 480 or 380/415 | Closed-loop wa | Less than 0.3 L | Zoom 40 mT/m | |
| GE | Signa HDx 1.5T | 320k-350k | 1.5 T | Short Bore Compact | ECG/peripheral | 1 cm to 48 cm | N/A | N/A | N/A | 480 or 380/415 | Closed-loop wa | Less than 0.3 L | N/A | |
| GE | Signa HDx 3.0T | 360k-390k | 3.0 T | Short Bore Compact | ECG/peripheral | 1 cm to 48 cm | 60 cm | 12000 kg | 240 x 2216, 6 x 480 or 380/415, 3-phase | Closed-loop wa | 0.3 L/hr helium | 25-50 mT/m | 2.8 m/5.0 m | |
| GE | Signa 3.0T | 380k-410k | 3.0 T | Cylindrical - high homogeneous | ECG/peripheral | 1 cm to 40 cm | 55 cm | 15102 kg incl. | c 260 x 238 x 266 | 480 or 380/415, 3-phase | Closed-loop wa | Less than 0.14 | 40 mT/m | |
| GE | Optima 450W 1.5T | 405k-435k | 1.5 T | Closed | Respiratory Gat | 50 cm | 70 cm | 4,630 kg | 228 x 165 x 226 | 380/400/415/480V ±10% | Water Cooling | | 33 mT/m | |
| GE | Optima MR360 Advance | 405k-435k | 1.5 T | Closed | Respiratory Gat | 50 cm | 70 cm | 3,500 kg | 175 cm (Length | 480V, 100A, 3-phase | | | 33 mT/m | |
| GE | Signa 0.2T Profile HD | 675k-705k | 0.2 T | Open MRI | | | | | 147 x 214 x 193 | 200 - 480, 3-phase | | | 10 mT/m | |
| GE | Brivo MR355 1.5T | 420k-450k | 1.5 T | Closed | ECG/peripheral | 48 cm | 60 cm | | | 480V, 3-phase | | | 33 mT/m | |
| GE | Signa EchoSpeed Plus 1.5T | 365k-395k | 1.5 T | Closed | | 48 cm | 60 cm | 5,100 kg | | 480V, 3-phase | Water Cooling | | 33 mT/m | |
| GE | Signa EchoSpeed Excite | 320k-350k | 1.5 T | Open MRI | | 48 cm | 60 cm | 4,300 kg | | | Water Cooling | | 33 mT/m | |
| GE | Signa HDI 1.5T | 840k-880k | 1.5 T | Short Bore Compact | ECG/peripheral | 48 cm | 60 cm | 3850 kg | 172 x 208 x 216 | 480 or 380/415 V | Water Cooling | Less than 0.2 L | 40 mT/m | |
| GE | Signa Creator | 580k-610k | 1.5 T | Closed | ECG/peripheral | 45 cm | 60 cm | 5,532 kg | 480/415/400/380/208/200 | 400/415/380/208/200 | Water Cooling | | 33 mT/m | |
| GE | Signa Architect | 1mil - 1.5 mil | 3.0 T | Wide cylindrical bore | | 50 cm | 70 cm | 3,300 kg | 236 x 210 x 146 | 3 phase, 450/415/380/415 | Water Cooling | | 2.8 m x 4 m at 5 | |
| GE | Signa PET/MR AIR | 230k-260k | 3.0 T | Closed | | 25 cm | 60 cm | 7,365 kg | | | Cryogenic | | 44 mT/m | |
| Hitachi | AIRIS II | 210k-240k | 0.3 T | Vertical field, Open MRI | Cardiac gating, | 5 cm to 42 cm | 110 x 43 cm | 15,700 kg | 79 x 111 x 73 cm | 208/220/240 V, single phase | Air-cooled | N/A | 15 mT/m | |
| Hitachi | Echelon 1.5T | 305k-335k | 1.5 T | Short bore | Cardiac gating, | N/A | N/A | N/A | N/A | 208/220/240 V, single phase | N/A | Low cryogen b | 30 mT/m | |
| Hitachi | Aperto | 245k-275k | 0.4 T | Open MRI | | | 45 cm | | | | Water Cooling | | 22mT/m | |
| Hitachi | Airis I | 745k-775k | 0.3 T | Open Bore | | 40 cm (max) | | | 201 x 157 x 210 cm | | | | 21 mT/m | |
| Hitachi | Oasis | 395k-425k | 1.2 T | Vertical field, Open MRI | Cardiac/ECG g | 45cm in all axis | 70 cm | 15,500 kg | 241 x 254 x 274 | 208/480, 3 phase | Water Cooling | Refill once / tw | 33mT/m | |
| ONI | OrthOne Extremity | 845k-875k | 1.0 T | Open MRI | | | 28 cm | | | | | | 15mT/m | |
| Philips | Intera 3.0T | 275k-305k | 3.0 T | Open MRI | ECG/peripheral | 50 cm | 60 cm | 4500 kg | 168 x 210 x 226 | 480 or 380/415 V | Water Cooling | Less than 0.3 L | 80 mT/m | |
| Philips | Ingenia 1.5T | 545k-575k | 3.0 T | Wide bore | | Max. 55 cm | 70 at isocenter, | | 229 x 188 x 166 | | Direct liquid coo | | | |
| Philips | Achieva 1.5T XR | 365k-395k | 1.5 T | Standard Bore | | Up to 50 cm | 60 cm | | 231 x 172 x 226 | 400V, 3-phase, 50/60 Hz | | Efficient helium | 33 mT/m | |
| Philips | Intera Power 1.5T | 950-1.5 mil | 1.5 T | Short Bore Compact | ECG/peripheral | Max. 55 cm | 60 cm | 2,900 kg | 240 x 188 x 151 | 380/400 V | | 0.03 L/hr heli | 30 mT/m | |
| Philips | MR 7700 | 950-1.5 mil | 3.0 T | Open Bore | Respiratory gating | | 70 cm | | 175 x 230 x 201 | 400/480 3 phase | Direct liquid coo | | | |
| Philips | Ingenia Elition 3.0T S | 645k-675k | 3.0 T | Wide bore | | Max. 55 cm | 70 at isocenter, | | 230 x 188 x 166 | 400/480 3 phase | Direct liquid coo | | | |
| Philips | Ingenia Ambition 1.5T X | 645k-675k | 1.5 T | Wide bore | | Max. 55cm | 70 at isocenter, | | 230 x 188 x 166 | 400/480 3 phase | Direct liquid coo | | | |
| Philips | MR 5300 | 675k-705k | 1.5 T | Wide bore | | | 70 at isocenter, | | | 400/480 3 phase | | | | |
| Philips | Ingenia 1.5T Evolution | 675k-705k | 1.5 T | Wide Bore | | Up to 55 cm | 70 cm | | | 400V, 3-phase, 50/60 Hz | | Efficient helium | 45 mT/m | |
| Philips | Ingenia MR-RT XD | 1mil - 1.5 mil | 3.0 T | Wide Bore | | Up to 55 cm | 70 cm | | | 400V, 3-phase, 50/60 Hz | | HeliumSave ze | 45 mT/m | |
| Philips | Mobile Philips Intera/Achieva 1.5T | 270k-300k | 1.5 T | Short Bore Compact | ECG/peripheral | Max. 53 cm | 60 cm diameter | 2900 kg | 240 x 188 x 151 | 380/400 V | N/A | 0.03 L/hr heli | 30 mT/m | |
| Philips | Achieva 3.0T TX | 380k-410k | 3.0 T | Short Bore Compact | ECG/peripheral | Max. 53 cm | 60 x 60 cm | 5500 kg | 240 x 188 x 151 | 380/400 V | N/A | 0.07 L/hr heli | 30 (Master) mT | |
| Philips | Panorama 1.0T | 285k-315k | 1.0 T | Full Field Open MRI post d | ECG/peripheral | 0.4 cm - 42 cm | Open x 47 cm | N/A | N/A | 400/480 V | Liquid helium | N/A | 20 mT/m | |
| Philips | Intera 1.5T | 270k-300k | 1.5 T | Short bore | | 48 cm | 60 cm | 4000 kg | 160 x 220 x 200 | N/A | Closed-loop wa | Less than 0.3 L | 30 mT/m | |
| Philips | Achieva 3.0T X-Series | 380k-410k | 3.0 T | Short bore | ECG/peripheral | 48 cm | 60 cm | 4500 kg | 160 x 220 x 200 | 480 or 380/415 V | Closed-loop wa | Less than 0.3 L | 80 mT/m | |
| Philips | Panorama 1.0T HFO | 285k-315k | 1.0 T | Open MRI | ECG/peripheral | 48 cm | N/A | 8200 kg | 230 x 180 x 176 | 480 or 380/415 V | Closed-loop wa | Less than 0.3 L | 23 mT/m | |
| Philips | Achieva 1.5T | 160k-190k | 1.5 T | Closed-bore MRI | | 45 cm | 60 cm | 3500 kg | 160 x 230 x 156 | 50 kVA; 400 V, 3-phase | Helium-cooled | Less than 0.1 L | 33 mT/m | |
| Philips | Achieva 1.5T SE | 175k-205k | 1.5 T | Closed-bore MRI | | 53 cm | 60 cm | 4200 kg | 160 x 230 x 156 | 50 kVA; 400 V, 3-phase | Helium-cooled | Less than 0.05 | 45 mT/m | |
| Philips | Achieva 1.5T Mobile | 175k-205k | 1.5 T | Closed-bore MRI | ECG/peripheral | 53 cm | 60 cm | 4200 kg | 160 x 230 x 156 | 50 kVA; 400 V, 3-phase | Helium-cooled | Less than 0.05 | 45 mT/m | |

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|--------------|-----------------------------|-------------|----------------|----------------------|-----------------|-------------|----------------|---------------|------------------|---|----------------------------------|----------------------------------|----------------|----------------------|
| Siemens | MAGNETOM Symphony 1.5T | 220k-250k | 1.5 T | Short bore | ECG/peripheral | 50 cm | 60 cm | 4000 kg | 175 x 210 x 220 | 480 or 380/415 V | Water Cooling | Less than 0.5 L | 30 mT/m | 3.5 m/4.0 m |
| Siemens | Symphony 1.5T | 230k-260k | 1.5 T | Short bore | ECG/peripheral | 48 cm | 60 cm | 3863 kg | 172 x 208 x 210 | 480 or 380/415 V | Closed-loop wa | Less than 0.3 L | 30 mT/m | 2.4 m/3.8 m |
| Siemens | MAGNETOM Avanto 1.5T MOBILE | 280k-310k | 1.5 T | Short bore | ECG/peripheral | 50 cm | 60 cm | 4500 kg | N/A | N/A | Water Cooling | Less than 0.3 L | 45 mT/m | 2.4 m/3.8 m |
| Siemens | MAGNETOM Trio 3.0T | 735k-765k | 3.0 T | Short bore | ECG/peripheral | 50 cm | 60 cm | 4300 kg | 172 x 228 x 210 | 480 or 380/415 V | Closed-loop wa | Less than 0.3 L | 45 mT/m | 3.5 m/5.2 m |
| Siemens | MAGNETOM Espree 1.5T MOBILE | 430k-460k | 1.5 T | Short bore | ECG/peripheral | 48 cm | 70 cm | 4000 kg | 173 x 224 x 210 | 480 or 380/415 V | Water Cooling | Less than 0.3 L | 33 mT/m | 3.2 m/4.0 m |
| Siemens | MAGNETOM Essenza 1.5T | 295k-325k | 1.5 T | Closed-bore MRI | | 50 cm | 60 cm | 3500 kg | 150 x 230 x 150 | 29 kVA; 400 V, 3-phase | Helium-cooled | | 30 mT/m | 4.0 m/3.0 m |
| Siemens | Aera XQ 1.5T | 820k-850k | 1.5 T | Closed-bore MRI | ECG/peripheral | 50 cm | 70 cm | 4500 kg | 160 x 230 x 150 | 35 kVA; 400 V, 3-phase | | Less than 0.7 L | 45 mT/m | 4.5 m/3.2 m |
| Siemens | MAGNETOM Skyra FIT | 820k-850k | 3.0 T | Open bore | | | 70 cm | | 173x163x70 cm | 84 kVA | Water Cooling | Liquid Helium | 45 mT/m | |
| Siemens | Biograph mMR | 245k-275k | 3.0 T | | | 50 cm | 60 cm | | | | | Zero Helium Bc | 45 mT/m | |
| Siemens | MAGNETOM Symphony | 280k-310k | 1.5 T | Short bore | ECG/peripheral | 50 cm | 60 cm | 4050 kg, 5500 | 1236 x 215 x 160 | 380/400/420 | Single cryogen, Liquid Helium | | 20/35 mT/m sta | 2.5 m/4.0 m |
| Siemens | MAGNETOM Avanto 1.5T | 350k-380k | 1.5 T | Short Bore Compact | ECG/peripheral | 50 cm | 60 cm | N/A | N/A | 380/400/420 | N/A | N/A | up to 45 mT/m | 2.5 m/4.0 m |
| Siemens | MAGNETOM Concerto | 255k-285k | 0.2 T | Open MRI | N/A | N/A | N/A | 11000 kg | N/A | 380/400/420 | N/A | N/A | 20 mT/m | N/A |
| Siemens | MAGNETOM C 0.35T | 255k-285k | 0.35 T | C-shaped Open MRI | ECG/peripheral | 40 cm | 41 cm vertical | 16000 kg | 233 x 206 x 160 | N/A | N/A | N/A | 24 mT/m | 2.2 m/2.2 m |
| Siemens | MAGNETOM Espree 1.5T | 430k-460k | 1.5 T | Open bore | ECG/peripheral | 35 cm | 70 cm diameter | 3800 kg | ? x ? x 125 cm | N/A | N/A | N/A | 33 mT/m | 2.5 m/3.8 m |
| Siemens | MAGNETOM Verio | 690k-720k | 3.0 T | Open-bore MRI | | | 70 cm | | 70 x 163 x 173 | 380 / 400 / 420 / 440 / 4 | Water Cooling | | | 0.5mT-0.1mT |
| Siemens | MAGNETOM Open Viva | 520k-550k | 0.2 T | Open C-shaped magnet | | 4-40 cm | | | | | | | 15 mT/m | |
| Siemens | MAGNETOM Vision | 380k-410k | 1.5 T | Closed Bore | | Up to 45 cm | 60 cm | | 195 x 120 x 200 | 380/400/420/440/480V, 400V, 3-phase, 50/60 Hz | Closed loop, chilled water syste | | 25 mT/m | |
| Toshiba | Titan 1.5T | 330k-360k | 1.5 T | Short bore | ECG/peripheral | 48 cm | 71 cm | 4000 kg | 172 x 228 x 210 | 480 or 380/415 V | Water Cooling | Less than 0.5 L | 30 mT/m | 3.5 m/5.2 m |
| Toshiba | Excelart Short Bore 1.5T | 100k-130k | 1.5 T | Short-bore MRI | ECG/peripheral | 50 cm | 60 cm | 4000 kg | | 45 kVA; 400 V, 3-phase | | Less than 0.3 L | 30 mT/m | |
| Toshiba | Excelart 1.5T | 115k-135k | 1.5 T | Closed-bore MRI | ECG/peripheral | 50 cm | 60 cm | 4000 kg | 160 x 230 x 150 | 45 kVA; 400 V, 3-phase | | | 30 mT/m | 4.0 m/3.0 m |
| Toshiba | Excelart Vantage Atlas 1.5T | 135k-165k | 1.5 T | Closed-bore MRI | | 50 cm | 65 cm | 4200 kg | 160 x 230 x 150 | 50 kVA; 400 V, 3-phase | Helium-cooled | | 33 mT/m | 4.5 m/3.2 m |
| Toshiba | Excelart Vantage 1.5T | 130k-160k | 1.5 T | Closed-bore MRI | | 50 cm | 65 cm | 4000 kg | | 45 kVA; 400 V, 3-phase | | | 30 mT/m | 4.0 m/3.0 m |
| Toshiba | Visart 1.5T | 90k-120k | 1.5 T | Closed-bore MRI | ECG/peripheral | 45 cm | 60 cm | 3500 kg | | | Helium-cooled | Less than 0.3 L | 23 mT/m | 3.8 m/3.0 m |
| Toshiba | Vantage Titan 1.5T | 325k-355k | 1.5 T | Closed-bore MRI | ECG/peripheral | 55 cm | 71 cm | 4500 kg | 160 x 230 x 150 | 50 kVA; 400 V, 3-phase | | Less than 0.2 L/hr liquid helium | | |
| Toshiba | Titan XGV 1.5T | 325k-355k | 1.5 T | Closed Bore | | 55 cm | 71 cm | 4500 kg | 160 x 230 x 150 | 50 kVA; 400 V, 3-phase | | Less than 0.2 L/hr liquid helium | | |
| Toshiba | Vantage Fortian 1.5T | 845k-875k | 1.5 T | | | Up to 50 cm | 71 cm | | | | 400V, 3-phase, 50/60 Hz | Helium-cooled superconducting | 33 mT/m | |

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