Advanced functionality with ultra-high field MRI

Philips Diamond Select refurbished systems Achieva 3.0T

Keep your institution at the forefront of MR imaging with the Achieva 3.0T.
This high-field MR scanner offers an exceptional level of performance and its
FreeWave platform gives access to the latest, most innovative applications. With
the patient friendly Achieva 3.0T, you have the freedom to work the way you wish,
do the exams you need and get the results you want.

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Enhanced patient comfort

The Achieva 3.0T features a revolutionary, ultra-compact, actively shielded, super-conducting magnet, which is designed for enhanced patient comfort and throughput. The appealing design provides a spacious system with high patient access, virtually eliminating claustrophobic effects to create a positive patient experience.

Achieva's exclusive Patient Comfort Zone features mirrors that enable patients to see outside the magnet and a headset for their favorite music. The ingenious SofTone technology reduces patient-perceived acoustic noise. To improve patient - operator communication, the Achieva offers an optional built-in, in-bore camera for patient monitoring. And a special in-room display lets patients see the operator or watch their favorite video clip.

Exceptional clinical performance

As part of the family of dedicated 3.0T whole body gradients, the Achieva 3.0T gradient system delivers the exceptional performance levels required for demanding clinical applications including high-resolution short TE/TR and EPI acquisitions.

The Achieva 3.0T is available with Quasar gradient (amplitude 40 mT/m, slew rate 120 mT/m/ms) and with Quasar Dual gradient (40/200 or 80/100).

State-of-the-art acquisition, viewing and reconstruction

The Achieva 3.0T advanced distributed computing architecture is based on the latest computer and operating system technology. The architecture features separate processors for scanning and image reconstruction and provides true real-time performance with reconstruction speeds exceeding 1200 images per second.

FreeWave digital broadband RF system

The heart of the Achieva 3.0T is Philips' FreeWave platform, a fully digital broadband data-acquisition system that enables outstanding speed and resolution. The FreeWave digital RF system controls the powerful gradient system and optimizes data acquisition to ensure optimal performance.

The FreeWave broadband 3 MHz RF receivers can handle any combination of up to 32 independent RF channels. Its architecture supports new imaging techniques, real-time feedback mechanisms and a new generation of multi-channel SENSE coils.

ScanTools

ScanTools clinical imaging software provides anatomy-specific packages that enhance speed and quality in key application areas. And SENSE parallel imaging is standard in all applications.

ExamCards

ScanTools also includes ExamCards - complete clinical studies, selectable with a single touch - for all key applications. ExamCards shorten exam time, require minimal interaction, reduce training requirements and make it easy to download and use protocols.

MR Workspace

The MR WorkSpace provides extra ease and flexibility in viewing and post-processing. You can work with MR data wherever you need to, and the new 23" wide-screen console offers better viewing of results with greater data transfer capabilities.
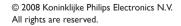
NetForum

Philips NetForum gives you access to Philips experts and the MR community worldwide. On-line, it provides a host of web-enabled capabilities that enhance your day-to-day efficiency and keep you in touch with new developments in MR. NetForum enables the downloading of proven ExamCards right into your scanner and plugs you into support from user groups worldwide - today and well into the future.

A smart investment by any measure

The Achieva 3.0T provides superb patient friendliness, functionality and versatility. This ultra-high field MR scanner is fully customizable to fit your working style and situation. The advanced architecture allows you to add clinical packages as your needs change and to expand your application mix and referral base when required.

The systems' open architecture and DICOM compatibility enable connection with a variety of networking and information management infrastructures.

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