



## Elite results

Philips Ingenuity Elite specifications

**PHILIPS**

# Table of contents

<b>1</b>	<b>Introduction</b>	<b>3</b>	<b>9</b>	<b>Reconstruction</b>	<b>10</b>
<b>2</b>	<b>User interface</b>	<b>4</b>	9.1	Reconstruction speed	10
2.1	iPatient key benefits	4	9.2	IMR (optional)	10
2.2	ExamCards	4	9.3	iDose <sup>4</sup> Premium Package	10
2.3	ScanRuler	4	9.4	RapidView IR reconstructor	10
<b>3</b>	<b>DoseWise</b>	<b>5</b>	9.5	Cone Beam Reconstruction Algorithm – COBRA	10
3.1	DoseRight Index	5	9.6	ClearRay reconstruction	10
3.2	CT DoseCheck	5	9.7	Adaptive filtering	10
3.3	DICOM structured reporting	5	9.8	Adaptive multicycle reconstruction	10
3.4	DoseRight automatic current selection	5	9.9	Reconstruction field of view	10
3.5	DoseRight angular dose modulation	5	9.10	Image matrix	10
3.6	DoseRight Z-DOM	5	9.11	Off-line reconstruction	10
3.7	3D-DOM	5	9.12	Preview images	10
3.8	Dedicated pediatric protocols	5	<b>10</b>	<b>Clinical enhancements</b>	<b>11</b>
3.9	Locking protocols	5	10.1	SyncRight	11
3.10	Dose display and reports	5	10.2	Bolus tracking	11
3.11	Dose performance data	5	10.3	Spiral Auto Start (SAS)	11
<b>4</b>	<b>Gantry</b>	<b>6</b>	10.4	Patient centering on surview	11
4.1	Gantry	6	10.5	Clinical applications, standard	11
4.2	Gantry control panels	6	10.6	Clinical applications, optional	11
4.3	Operator's console control panels	6	10.7	Pulmonary Toolkit	11
4.4	AutoVoice	6	10.8	Pulmonary Toolkit for Oncology	11
<b>5</b>	<b>Patient table</b>	<b>6</b>	10.9	RateResponsive CV Toolkit for Ingenuity	11
5.1	Long table	6	10.10	Step & Shoot Complete	11
5.2	Bariatric table	6	10.11	Jog Scan	11
<b>6</b>	<b>Accessories</b>	<b>7</b>	10.12	CT Interventional (optional)	11
6.1	Standard accessories	7	<b>11</b>	<b>Networking and storage</b>	<b>12</b>
6.2	Optional accessories	7	11.1	Networking	12
<b>7</b>	<b>Imaging chain</b>	<b>8</b>	11.2	DICOM	12
7.1	Generator	8	11.3	DICOM connectivity	12
7.2	X-ray tube	8	11.4	DICOM DVD/CD writer	12
7.3	Detector	8	11.5	Filming	12
<b>8</b>	<b>Image quality</b>	<b>9</b>	<b>12</b>	<b>Site planning</b>	<b>13</b>
8.1	Spatial resolution	9	12.1	Power requirements	13
8.2	Low-contrast resolution	9	12.2	Console Uninterrupted	13
8.3	Other	9		Power Supply (UPS), optional	
			12.3	Environmental requirements	
			12.4	System requirements, standard and bariatric tables	14
			12.5	Dimensions and weights, standard and bariatric tables	14
			12.6	System requirements, long table	15
			12.7	Dimensions and weights, long table	15

# 1. Introduction

Continuing our leadership in meaningful innovations that provide low dose, low energy and low noise with outstanding results, Philips CT is pleased to announce the Ingenuity Elite.

The Ingenuity Elite configuration balances innovative technologies that enhance the entire imaging chain and uphold patient-centric clinical excellence. From the NanoPanel Elite – engineered for low dose, low energy and low noise imaging – to iPatient that puts you in control of innovative workflow solutions, the Ingenuity Elite is in a class of its own. And it's IMR-ready, making it the only workhorse scanner to offer industry-leading low-contrast resolution and virtually noise-free image quality.

## Clinical integration and collaboration

- Industry-leading low-contrast resolution with IMR
- Deliver appropriate contrast dose and consistent image quality with SyncRight
- Confidence and consistency 24/7 with iPatient

## Patient focus

- Low dose and high image quality with the iDose<sup>4</sup> Premium Package
- Improved visualization in the presence of large metal orthopedic implants with O-MAR
- NanoPanel Elite detector for marked image noise improvement

## Economic value

- Majority of reference protocols reconstructed with iDose<sup>4</sup> in less than a minute
- Family upgradability
- Begin reading early with IntelliSpace Portal preprocessing



Philips Ingenuity Elite provides high performance with virtually no trade-offs.

Effective power with iDose <sup>4</sup>	105 kW
Slices	128
Coverage	40 mm
Maximum scannable range	2,100 mm
Bore size	700 mm
iDose <sup>4</sup> reconstruction speed	18 ips
Standard reconstruction speed	25 ips
Anode effective heat capacity	30 MHU



## 2. User interface

Philips iPatient is an advanced platform that puts you in control of enhancing your CT system today, while preparing you for the challenges of tomorrow. While you're working to boost return on investment now, you're also accessing a flexible platform that will support future innovations.

### 2.1 iPatient key benefits

- Plan the results, not the acquisition
- Up to 24%\* faster time to results;  
up to 66%\* fewer clicks
- Facilitates optimal\*\* management of image quality and radiation dose with patient-specific methods
- Easy and efficient communication between the CT system and the injector in order to facilitate delivering appropriate contrast dose and consistent image quality with SyncRight
- Optimizes collimation, pitch, and rotation time automatically
- Automates routine tasks
- Increases your ability to do complex and advanced procedures
- Enables advanced capabilities such as IMR and future technologies

\* In a study done using multiphasic liver CT exams, the iPatient software platform reduced time-to-results by 24% and clicks per exam by 66%. Impact of workflow tools in reducing total exam and user interaction time – four-phase liver computed tomography exams. Nicholas Ardley, Southern Health; Kevin Buchan, Philips Healthcare; Ekta Dharaiya, Philips Healthcare.

\*\* Optimal refers to the use of strategies and techniques that facilitate the management and control of both image quality and dose.

### 2.2 ExamCards

ExamCards are the evolution of the scanning protocol. With ExamCards, the results are planned, not the acquisition; this reduces decision points and clicks, saves time, and is a means to share protocols among colleagues to allow for scan-to-scan consistency. ExamCards can include axials, coronals, sagittals, MPRs, MIPS, and other results, all of which will be automatically reconstructed and can be sent to where they will be read with no additional work required by the operator.

### 2.3 ScanRuler

An interactive timeline of the study that provides the operator a quick overview of important events such as Surview, acquisition, bolus tracking, AutoVoice, and injection.



## 3. DoseWise

Philips DoseWise is a holistic approach to dose management that is active in every level of product design. It encompasses a set of techniques, programs and practices based on the ALARA (As Low As Reasonably Achievable) principle and supports outstanding image quality at low dose.

### 3.1 DoseRight Index

DoseRight Index (DRI) is a single number used to specify the image quality required for the diagnostic task at hand. DRI includes organ-specific DRI for the liver and the head/neck to provide appropriate dose and image quality within a single acquisition. 11 weight-based protocols can be generated for ExamCards, including 1 infant, 7 child, and 3 adult reference sizes.

### 3.2 CT Dose Check

Supports an operator notification in each ExamCard that will be shown if an acquisition is planned that exceeds a specified  $CTDI_{vol}$  or DLP. In addition, an alert is available such that, if an acquisition is planned and the total exam will exceed a specified  $CTDI_{vol}$  or DLP, the operator will be required to enter his or her name and (if configured) a password to proceed, or the operator can adjust the scan parameters. Compliant with NEMA XR-25 and XR-29.

### 3.3 DICOM structured reporting/IHE REM profile

DICOM radiation dose structured report that can be transferred to external systems such as HIS/RIS, PACS, or dose registries.

### 3.4 DoseRight automatic current selection

Personalizes dose for each patient by automatically suggesting tube current settings according to the estimated patient diameter in the scan region.

### 3.5 DoseRight angular dose modulation

Angular dose modulation varies the tube current during helical scans according to changes in patient shape (eccentricity) and tissue attenuation as the tube rotates. For each rotation, projections are processed to determine the maximum and minimum patient diameter. The tube current for the next rotation is then modulated between these limits.

### 3.6 DoseRight Z-DOM (Longitudinal dose modulation)

Longitudinal dose modulation (Z-DOM) aids in adapting dose to an individual patient's size and shape. In particular, Z-DOM adjusts the tube current-time product (mAs) in the craniocaudal or caudocranial (z-axis) direction based on the Surview by comparing the actual patient's attenuation at each longitudinal location to a reference.

### 3.7 3D-DOM

3D-DOM combines angular and longitudinal information to modulate dose in three dimensions.

### 3.8 Dedicated pediatric protocols

In the iPatient approach, size-specific ExamCards can be easily generated. ExamCards can be based on one of eight (1 infant, 7 child) midpoint reference diameters that are directly related to weight based intervals. iPatient includes reference pediatric protocols for a number of clinical indications.

### 3.9 Locking protocols

Unauthorized protocol modifications may be prevented through password-protected access.

### 3.10 Dose display and reports

Philips CT scanners include intuitive reporting and recording of estimated dose indices, dose reduction, and dose efficiency. Dose estimates are displayed on the operator's console for all scan protocols prior to and throughout the examination. Volume computed tomography dose index ( $CTDI_{vol}$ ) and dose-length product (DLP) are automatically updated as the operator plans the scan. Also, a dose report may be included as a DICOM dose structured report and/or DICOM secondary capture with the reconstructed data set.

### 3.11 Dose performance data

$CTDI_{vol}$	Measurement
Head	12.9 mGy/100 mAs
Body	6.6 mGy/100 mAs

Measured on head and body CTDI phantoms (IEC 60601-2-44 ed.3) at 120 kVp.



## 4. Gantry

### 4.1 Gantry

Feature	Specification
Aperture	700 mm
Focus-isocenter distance	570 mm
Focus-detector distance	1040 mm
Rotation times	0.4, 0.5, 0.75, 1, 1.5, 2 seconds for full 360° scans 0.28, 0.33 seconds for partial angle 240° scans Effective cardiac rotation time 0.3 seconds
Intercom system	Two-way connection between the gantry and console area
Gantry tilt	-30° to +30° with 0.5° increments



### 4.2 Gantry control panels

- Multi-directional control for fast movement
- Fine movement in/out control
- Start button
- Pause button
- Visual countdown
- Zero table location
- Lasers

Audio notification 10 seconds before X-ray On so that operator and staff can exit room before X-ray On.

### 4.3 Operator's console control panel

- Tilt
- Table in/out/up/down
- Emergency stop
- X-ray indicator
- Start button
- Pause button

### 4.4 AutoVoice

A standard set of commands for patient communication before, during, and after scanning in the following languages:

- English
- French
- Spanish
- Italian
- Japanese
- Hebrew
- Arabic
- Russian
- Georgian
- Turkish
- German
- Danish
- Swedish
- Chinese
- Portuguese

Customized messages can also be created.

## 5. Patient table

### 5.1 Long table

Feature	Specification
Maximum scannable range	2,100 mm
Pitch	0.5 – 1.5
Z-position accuracy	+/- 0.25 mm
Longitudinal speed	0.5 mm/s – 185 mm/s
Vertical range	579 mm to 1,022 mm from the floor 1.0 mm increment
Maximum load capacity	450 lbs (204 kg)

### 5.2 Bariatric table

Feature	Specification
Maximum scannable range	1750 mm
Pitch	0.5 – 1.5
Z-position accuracy	+/- 0.25 mm
Longitudinal speed	0.5 mm/s – 185 mm/s
Vertical range	579 mm to 1,022 mm from the floor 1.0 mm increment
Maximum load capacity	650 lbs (295 kg)

## 6. Accessories

### 6.1 Standard accessories



Arm rests



Cushions and pads



Head holder cushions and pads



IV pole



Patient restraint kit



Standard head holder



Table extension



Table pad

### 6.2 Optional accessories



Flat head holder



Infant cradle



Load and unload foot pedals



Radiology Flat Top Kit



Therapy table top  
(available only with bariatric table)

## 7. Imaging chain

### 7.1 Generator

Feature	Specification
Effective power with iDose <sup>4</sup>	105 kW
Power rating	80 kW
kVp setting	80, 100, 120, 140
mA range (and step size)	20 – 665 (1 mA steps)

Effective power is calculated by using full generator power (80 kW) and using iDose<sup>4</sup> at the same time. This gives Ingenuity Elite effectively more power.

### 7.2 X-ray tube

Feature	Specification
Focal spot sizes, quoted to IEC 336/93 standard	Small: 0.5 mm x 1.0 mm Large: 1.0 mm x 1.0 mm
Anode effective heat capacity	30 MHU
Anode heat capacity	8.0 MHU
Maximum anode cooling rate	1,608 kHU/min
Anode diameter	200 mm
Anode rotation speed	105 Hz (6,300 rpm)
Target angle	7 degrees
Maximum helical exposure time	100 s



Liquid coolant carries heat away from the MRC Ice X-ray tube, so Ingenuity Elite is ready for the most demanding scans, one right after the other.

### 7.3 Detector

Feature	Specification
Slices	128
Coverage	40 mm
Material	Solid-state GOS with 43,008 elements
Dynamic range	1,000,000:1
Slip ring	Optical – 5.3 Gbps transfer rate
Data sampling rate	Up to 4,640 views/revolution/element
Collimations available	64 (128) x 0.625 mm 40 (80) x 0.625 mm 32 (64) x 1.25 mm 2 (4) x 0.5 mm 2 (4) x 0.625 12 (24) x 0.625 12 (24) x 1.25 20 (40) x 0.625 16 (32) x 0.625
Slice thickness (helical mode)	0.55 mm – 5 mm
Slice thickness (axial mode)	0.5 mm – 12.5 mm
Scan angles	240°, 360°, 420°
Scan field of view	250 mm, 500 mm



Philips continues to lead in CT detector design with the introduction of the NanoPanel Elite – our newest tile-detector technology – that has been re-engineered for low-noise, high-fidelity imaging.



## 8. Image quality

### 8.1 Spatial resolution

Spatial resolution	Cut-off (+/- 2 lp/cm)
Ultra-high mode (lp/cm)	24
High mode (lp/cm)	16
Standard mode (lp/cm)	13

### 8.2 Low-contrast resolution

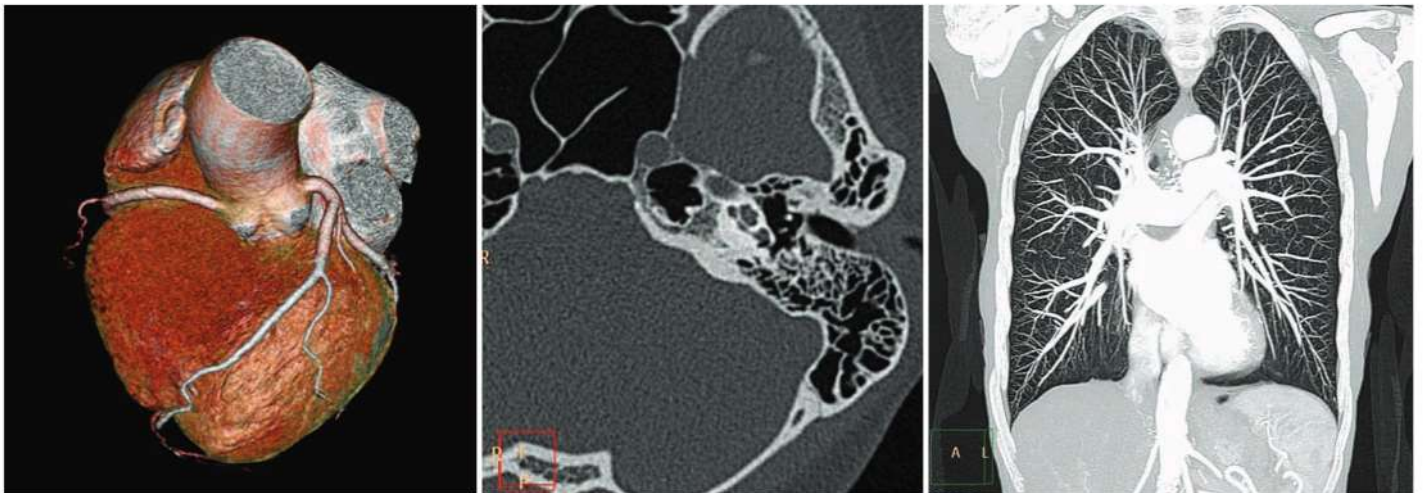
Feature	Specification
Low-contrast resolution*	4 mm @ 0.3% @ 16.4 mGy CTDI <sub>vol</sub>
Low-contrast resolution with IMR**	2 mm @ 0.3% @ 10 mGy CTDI <sub>vol</sub>

\* 20 cm Catphan phantom; 10 mm slice thickness

\*\* 20 cm Catphan phantom; 7 mm slice thickness  
body CTDI phantom (IEC 60601-2-44, Ed. 3); at 120 kVp.

### 8.3 Other

Feature	Specification
Absorption range	-1,024 to +3,071 Hounsfield units
Noise	0.27%



## 9. Reconstruction

### 9.1 Reconstruction speed

Feature	Specification
Reconstruction speed with iDose <sup>+</sup>	18 IPS
Reconstruction speed without iDose <sup>+</sup>	25 IPS

### Optional

#### 9.2 IMR

Iterative Model Reconstruction (IMR) sets a new direction in CT image quality with virtually noise-free images and industry-leading low-contrast resolution. Moreover, for the first time physicians are also able to simultaneously combine image quality improvements with significantly lower doses.\* This improvement is a breakthrough made possible through Philips first iterative reconstruction built on knowledge-based models.

The majority of reference protocols are reconstructed in less than five minutes.

#### 9.3 iDose<sup>+</sup> Premium Package

iDose<sup>+</sup> Premium Package, includes two leading technologies that can improve image quality – iDose<sup>+</sup> and metal artifact reduction for large orthopedic implants (O-MAR). iDose<sup>+</sup> improves image quality\*\* through artifact prevention and increased spatial resolution at low dose. O-MAR reduces artifacts caused by large orthopedic implants. Together they produce high image quality with reduced artifacts.

#### 9.4 RapidView IR reconstructor

RapidView IR is specifically designed to provide reconstruction speed that allows iterative reconstruction to be routinely used in inpatient, outpatient, and emergency care settings.

#### 9.5 Cone Beam Reconstruction Algorithm – COBRA

Philips patented Cone Beam Reconstruction Algorithm (COBRA) enables true three-dimensional data acquisition and reconstruction in both axial and helical spiral scanning.

### 9.6 ClearRay reconstruction

A revolutionary solution pre-computes and stores beam hardening and scatter corrections in a database later referenced to create a correction that is personalized to each individual patient. As a fully three-dimensional technique, contrast scale stability is preserved across different patient sizes, image uniformity is improved, and organ boundaries are better visualized.

### 9.7 Adaptive filtering

Adaptive filters reduce pattern noise (streaks) in nonhomogenous bodies, improving overall image quality.

### 9.8 Adaptive multicycle reconstruction

Image data can be prospectively gated or retrospectively tagged. Automatically delivers the best temporal resolution possible for the current scan (as high as 53 ms).

### 9.9 Reconstruction field of view

50 to 500 mm continuous
25 to 250 mm (ultra-high resolution)

### 9.10 Image matrix

512 × 512
768 × 768
1,024 × 1,024

### 9.11 Off-line reconstruction

Off-line (batch) background image reconstruction of user-defined groups of raw data files with automatic image storage.

### 9.12 Preview images

Real-time 512<sup>2</sup> matrix image reconstruction and 5 mm × 5 mm contiguous slice display with helical acquisition or off-line reconstruction.

\* In clinical practice, the use of IMR may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Low-contrast detectability and image noise were assessed using Reference Protocol comparing IMR to FBP; measured on 0.8 mm slices, tested on the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using human observers. Data on file.

\*\* Improved image quality is defined by improvements in spatial resolution and/or noise reduction as measured in phantom studies.



# 10. Clinical enhancements

## Optional

### 10.1 SyncRight

The Philips CT SyncRight option enables easy and efficient communication between the CT system and the injector in order to facilitate delivering appropriate contrast dose and consistent image quality.

### 10.2 Bolus tracking

An automated injection planning technique to monitor actual contrast enhancement and initiate scanning at a predetermined level.

### 10.3 Spiral Auto Start (SAS)

Spiral Auto Start allows the injector to communicate with the scanner. This allows the technologist to monitor the contrast injection and to start the scan (with a predetermined delay) while in the scan room.

### 10.4 Patient centering on surview

Traditionally, patients are centered using the gantry laser lights; with this feature it is possible to improve patient centering using the lateral surview with real-time feedback.

### 10.5 Clinical applications, standard

- Advanced Brain Perfusion
- Cardiac Viewer
- CT Reporting
- Calcium Scoring
- CT Viewer
- Filming
- Functional CT

## Optional

### 10.6 Clinical applications, optional

- Dental Analysis
- Bone Mineral Analysis

### 10.7 Pulmonary Toolkit

Philips Pulmonary Toolkit enables the user to trigger a scan at a particular breath level, minimizing artifacts caused by respiratory motion. This allows better chest imaging of patients who cannot hold their breath. The Philips Bellows device is included.

### 10.8 Pulmonary Toolkit for Oncology

Philips Pulmonary Toolkit for Oncology includes the features found in the Philips Pulmonary Toolkit, and also includes Retrospective Spiral (4D CT) capabilities and support for the Varian RPMTM (device not included).

### 10.9 RateResponsive CV Toolkit for Ingenuity

Enables cardiac imaging and includes an ECG monitor, Retrospective Tagging, Prospective Gating, Cardiac Viewer, Heartbeat-CS, and CT Reporting. Uses Philips exclusive Adaptive Multicycle Reconstruction algorithm to enhance temporal resolution – as low as 53 ms – and uses Philips patented Beat-to-Beat Algorithm to automatically find the best phase for cardiac imaging. Includes automatic arrhythmia detection and management.

### 10.10 Step & Shoot Complete

Step & Shoot Complete enables low-dose, prospectively ECG-triggered, axial thoracic imaging. Step & Shoot Complete allows gated, submillimeter, isotropic imaging of the entire thorax (up to 50 cm transaxial field of view), including the coronary arteries.

Step & Shoot Complete is well suited for patients with heart rates below 65 bpm. Arrhythmias are managed in real time using proprietary, prospective-detection algorithms to pause acquisition during unstable heart rhythms.

### 10.11 Jog Scan

Provides up to 80 mm of organ coverage for perfusion studies. An axial scan is taken in one location, the couch translates to another location within a few seconds, and another axial scan is taken. These multiple datasets are registered automatically to provide the extended coverage.

## Optional

### 10.12 CT Interventional

CT Interventional includes enhanced interventional capabilities to increase throughput and control of interventional procedures. With the option of either cart-mount or ceiling-mount solutions, the system provides clinical confidence and consistency with flexible displays (1:1, 3:1, or volumetric) and allows the user to adjust the viewing convention or scan parameters and to switch scan modes on the fly. Reference series display enhances intra-procedural needle guidance. Both the single and continuous interventional scan modes support iDose<sup>4</sup> and are DoseRight- and DRI-capable.

This option also includes the Philips interventional table control, which enhances operational efficiency during CT-guided interventional procedures.



# 11. Networking and storage

## 11.1 Networking

Supports 10/100/1000 Mbps (10/100/1000 BaseT) networks. For optimal performance, Philips recommends a minimum 100 Mbps network (1 Gbps preferred) and for the CT network to be segmented from the rest of the hospital network.

## 11.2 DICOM

DICOM 3.0-compliant image format. Lossless image compression/decompression is used during image storage/retrieval to/from all local storage areas. Images can be auto-stored to selected archive media.

Includes the following DICOM functionality:

- Service class user and profile (CT, MR, NM, Secondary Capture)
- DICOM Print
- DICOM Modality Worklist
- Query/Retrieve User and Provider
- Modality Performed Procedure Step User
- Storage Commitment User
- Removable Media
- Structured Reports

## 11.3 DICOM connectivity

Full implementation of the DICOM 3.0 communications protocol allows connectivity to DICOM 3.0-compliant scanners, workstations, and printers; supports IHE requirements for DICOM connectivity. Further details on connectivity and interoperability are provided within the DICOM Conformance statement.

## 11.4 DICOM DVD/CD writer

Stores DICOM images and associated image viewing software on DVD/CD media. Images on these DVD/CDs can be viewed and manipulated on PCs meeting the minimum specifications. Suited for individual result storage and referring physician support.

## 11.5 Filming

This function allows the user to set up and store filming parameters. Pre-stored protocols can be set to include auto-filming. The operator can film immediately after each image, at the end of a series, or after the end of a study, and review images before printing. The operator can also automatically film the study at three different windows and incorporate "Combine Images" functionality to manage large datasets. Basic monochrome and color DICOM print capability are supported.

Type	Hard drive		DVD	CD	DVD RAM
Capacity	262 GB	262 GB	4.7 GB	700 MB full disk	9.4 GB
Approximate images	473,000	826,000*	8,500	1,200	30,000
Patients**	1,577	2,755	28	4	100

\* 512 x 512 matrix; compressed

\*\* Based on 300 images per study

## 12. Site planning

### 12.1 Power requirements

- 200/208/240/380/400/415/480/500 VAC
- 50/60 Hz
- 112.5 kVA source (150 kVA preferred)
- Three-phase distribution source

### Optional

#### 12.2 Console Uninterrupted Power Supply (UPS)

Provides up to 30 minutes of backup power for host tower computer, server tower computer and monitors.

### 12.3 Environmental requirements

#### Temperature

Gantry room	18° to 24° C (64° to 75° F)
Control room	15° to 24° C (59° to 75° F)
Storage/Transport	-5° to +35° C (23° F to 95° F)

#### Humidity

Gantry/Control	35% to 70% non-condensing
Storage/Transport	10% to 90% non-condensing

#### Heat dissipation

Gantry	18,000 BTU/hr
Computer (CRC)*	3,572 BTU/hr
Isotran LM	2,210 BTU/hr

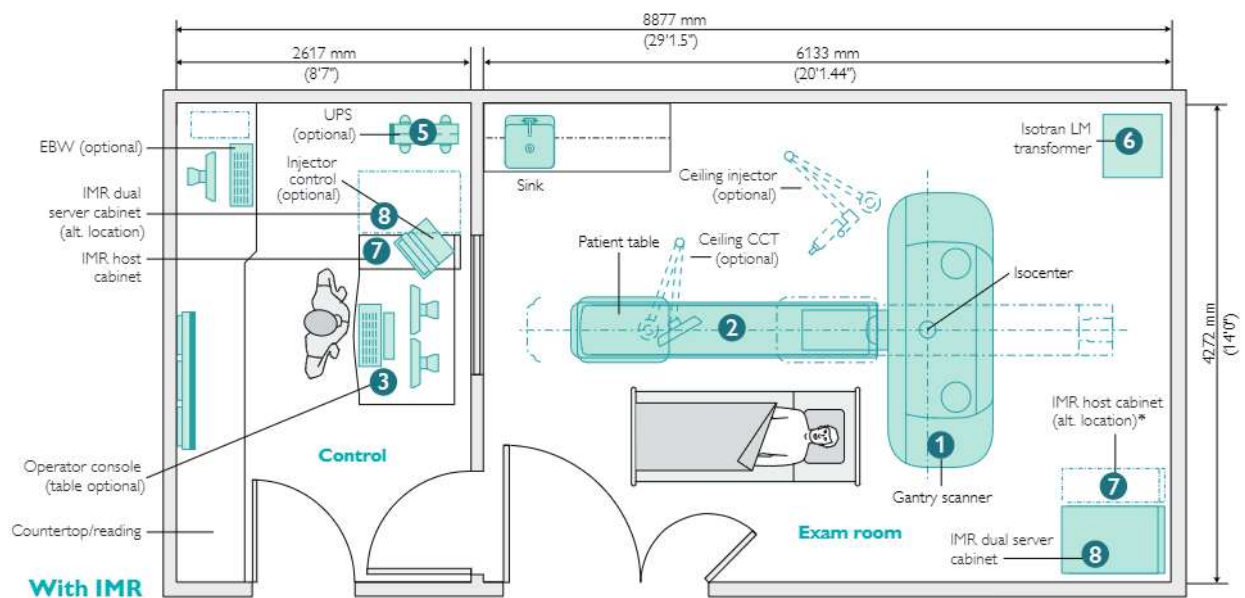
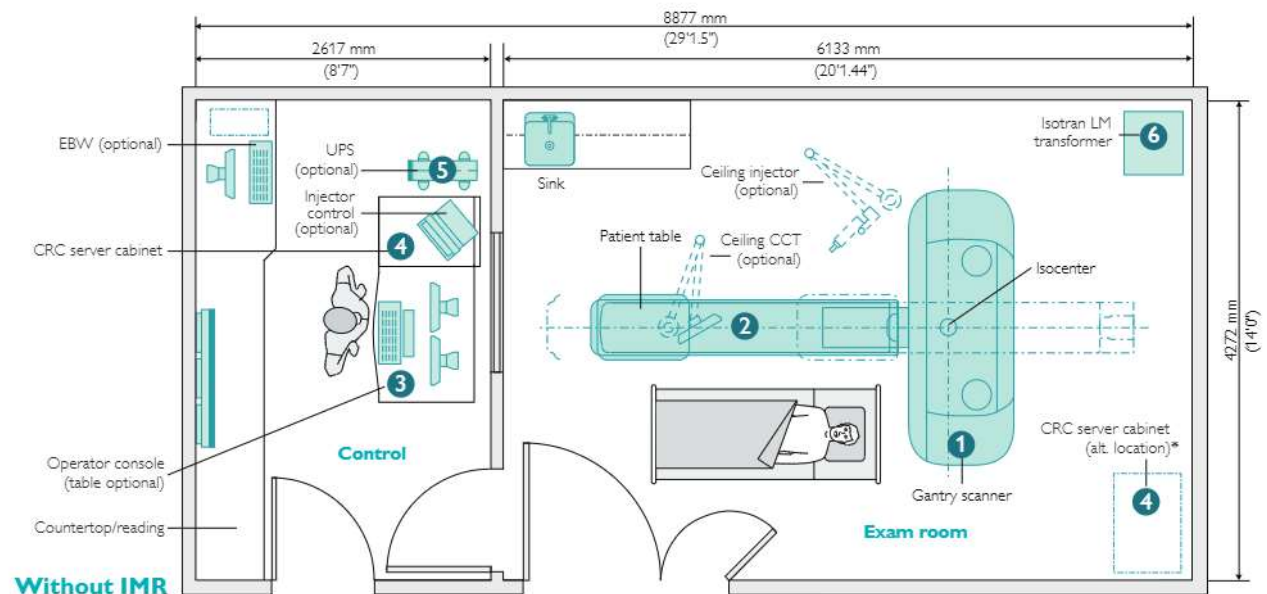
\*The following racks replace CRC:

Host	1,450 BTU/hr
Dual server	8,872 BTU/hr



## 12.4 System requirements, standard and bariatric table

This preferred room layout can be upgraded to long table and will accommodate a 2100 mm scannable range.



\* Alternate location requires extended cable kit.

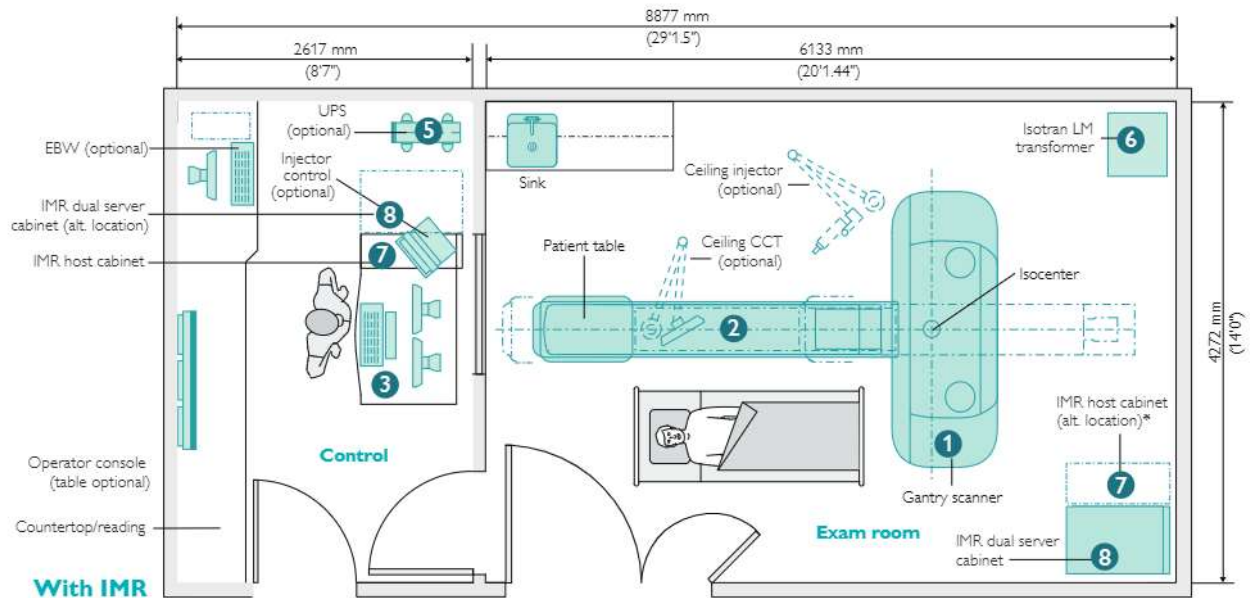
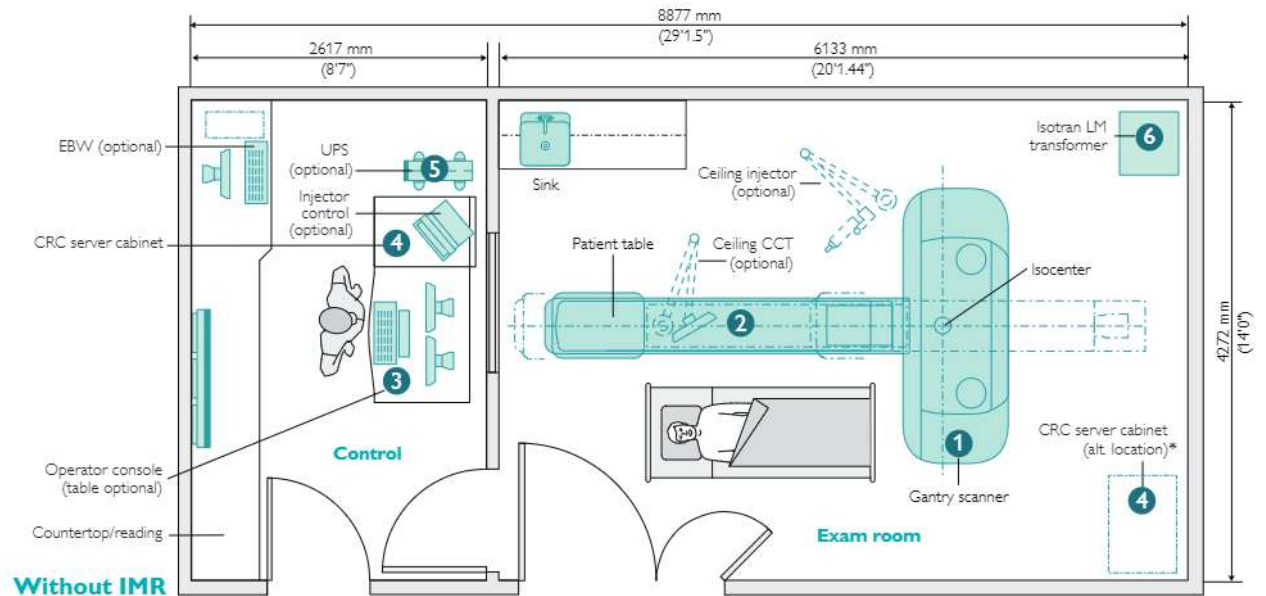
## 12.5 Dimensions and weights, standard and bariatric tables, per unit

	Length	Width	Height	Weight
① Gantry scanner	2,376 mm (93.5")	941 cm (37")	2,005 cm (79")	1,950 kg (4,300 lb)
② Table, standard or bariatric	5,151 mm (203")	685 cm (27")	1,067 cm (42")	404 kg (890 lb)
③ Operator console (table optional)	1,200 mm (47.2")	905 cm (35.5")	1,176 cm (46.3")	88 kg (193 lb)
④ CRC server cabinet	609 mm (24")	908 cm (35.7")	762 cm (30")	123 kg (271 lb)
⑤ UPS (optional)	296 mm (11.7")	602 cm (23.7")	430 cm (17")	70.4 kg (155 lb)
⑥ Isotran LM transformer	553 mm (21.8")	516 cm (20.3")	673 cm (26.5")	274 kg (603 lb)
⑦ IMR host cabinet	300 mm (11.8")	900 cm (35.4")	762 cm (30")	79 kg (174 lb)
⑧ IMR dual server cabinet	609 mm (24")	908 cm (35.7")	762 cm (30")	127 kg (279 lb)



## 12.6 System requirements, long table

This preferred room layout will accommodate a 2100 mm scannable range.



\* Alternate location requires extended cable kit.

## 12.7 Dimensions and weights, long table, per unit

	Length	Width	Height	Weight
1 Gantry scanner	2,376 mm (93.5")	941 cm (37")	2,005 cm (79")	1,950 kg (4,300 lb)
2 Table, long	5,653 mm (222.5")	577 cm (22.7")	1,070 cm (42.2")	400 kg (880 lb)
3 Operator console (table optional)	1,200 mm (47.2")	905 cm (35.5")	1,176 cm (46.3")	88 kg (193 lb)
4 CRC server cabinet	609 mm (24")	908 cm (35.7")	762 cm (30")	123 kg (271 lb)
5 UPS (optional)	296 mm (11.7")	602 cm (23.7")	430 cm (17")	70.4 kg (155 lb)
6 Isotran LM transformer	553 mm (21.8")	516 cm (20.3")	673 cm (26.5")	274 kg (603 lb)
7 IMR host cabinet	300 mm (11.8")	900 cm (35.4")	762 cm (30")	79 kg (174 lb)
8 IMR dual server cabinet	609 mm (24")	908 cm (35.7")	762 cm (30")	127 kg (279 lb)

# Philips rated #1 overall imaging equipment vendor



2013 Best in KLAS Award  
Medical Equipment & Infrastructure



"2013 Top 20 Best in KLAS Awards: 2013 Best in KLAS Awards: Medical Equipment & Infrastructure," June, 2013.  
© 2013 KLAS Enterprises, LLC. All rights reserved. [www.KLASresearch.com](http://www.KLASresearch.com)

**Philips SmartPath** provides you easy access to solutions and innovations for the full life of your computed tomography system, so you can boost your clinical and operational potential and achieve your organizational goals.



Optimize

Optimize your system's performance both now and in the future with regular and ongoing updates, including functionality improvements and remote technical support.



Enhance

Enhance your equipment with regular technology upgrades, and take advantage of the newest features and capabilities.



Transform

Transform your investment at the end of your system's life by transitioning seamlessly to a next-generation solution or refurbished option.

The images and descriptions contained herein provide technical specifications and optional features which may not be included with the standard system configuration. Contact your local Philips Representative for a complete specific system details.

Some or all of the products, features, and accessories shown or described herein may not be available in your market. Please contact your local Philips Representative for availability.

Please visit [www.philips.com/Ingenuity](http://www.philips.com/Ingenuity)



© 2013 Koninklijke Philips N.V.  
All rights are reserved.

Philips Healthcare reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

Philips Healthcare is part of Royal Philips

[www.philips.com/healthcare](http://www.philips.com/healthcare)  
[healthcare@philips.com](mailto:healthcare@philips.com)

Printed in The Netherlands  
4522 962 94221 \*AUG 2013