

PHILIPS

Computed
Tomography

CT 5300

Intelligence reimagined

Philips CT 5300 specifications

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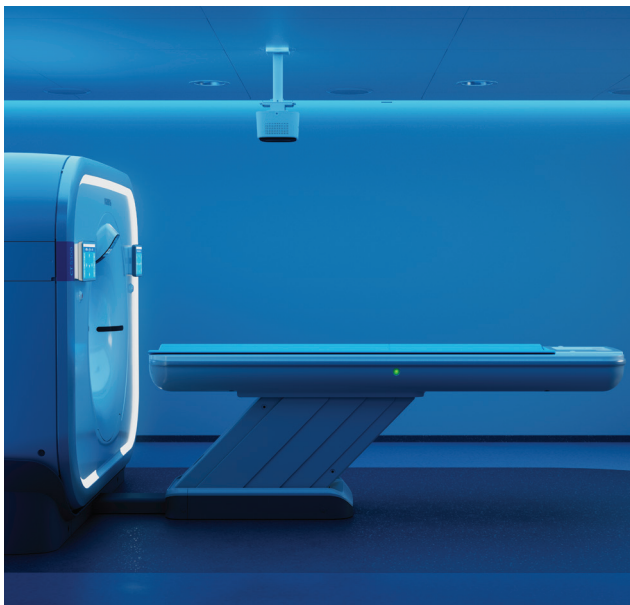
1. Introduction

You've told us what you most need in a CT system now and in the years to come, and that's exactly how we created the new Philips CT 5300. We've built incredible intelligence into every aspect of this high-performing system from start to finish.

Smarter all the way through

CT 5300 leverages AI for new clinical capabilities and workflow advances, provides virtual tools for real-time collaboration, and offers remote services to enhance system performance and uptime. Drive new levels of confidence with a system designed to help you see beyond your current imaging challenges, empowering your team and patient care.

| Next-level confidence | Empowered workflow | Value for a lifetime |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • AI for new capabilities to support clinical decision-making • Precise Image allows for lower dose, higher image quality and new capabilities including cardiac imaging • NanoPanel Precise detector, when paired with Precise Image, allows for improved image quality, even at ultra-low dose levels. • Advanced tools to speed diagnosis and treatment • New interventional tools for enhanced capabilities | <ul style="list-style-type: none"> • CT Smart Workflow with the Precise Position* AI-enabled camera saves time, improves consistency • Precise Cardiac to improve diagnostic confidence with high or irregular heart rates • Precise Intervention** reduces interventional procedure time by 16%*** • CT Collaboration Live connects your team remotely • Lifecycle Learning helps build and sustain staff competency | <ul style="list-style-type: none"> • Remote Services to reduce unplanned downtime • AI-enabled clinical applications help future-proof your investment • Online Lifecycle Learning to help reduce training costs • Industry-first Tube for Life guarantee**** • Technology Maximizer manages costs of hardware and software upgrades |



| Feature | Specification |
|-----------------------------------------|--------------------------------------------|
| Effective power with iDose ⁴ | 94 kW, 105 kW (optional) |
| Slices | 128 |
| Coverage | 40 mm |
| Maximum scannable range | 1,860 mm (2,000 mm optional) |
| Bore size | 720 mm |
| Reconstruction speed | Up to 100 IPS |
| Anode effective heat capacity | ≥25 MHU _{eff} ; direct cooling |

Note: Effective power is calculated by using generator power and using iDose⁴ at the same time. This gives CT 5300 effectively more power.

* Patients below the age of 18 are not supported.

** Precise Intervention is not AI Enabled.

*** Chacko C. Precise Intervention Clinical Review Report for Loong. Philips Doc ID: D000874955. 2021.

**** Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.

2. Gantry

| Feature | Specification |
|-------------------------------|------------------------------------------------------------------|
| Aperture | 720 mm |
| Rotation times | 0.35 (opt), 0.4, 0.5, 0.75, 1.0, 1.5 seconds for full 360° scans |
| Effective temporal resolution | 29 ms* |
| Focus-isocenter distance | 570 mm |
| Focus-detector distance | 1040 mm |
| Intercom system | Two-way connection between the gantry and console area |
| Gantry tilt | -24° to 30° with 0.5° increments (standard table) |

OnPlan

OnPlan is a gantry operational touch panel located on both sides of the gantry. The OnPlan gantry controls are used to activate the laser marker, control patient table movements, display patient information and images, and conduct a new patient exam.



3. Patient table

| Feature | Standard table | Bariatric table |
|-------------------------|-----------------|-----------------|
| Maximum scannable range | 1,860 mm | 2,000 mm |
| Pitch | 0.15 – 1.5 | 0.15 – 1.5 |
| Z-position accuracy | +/- 0.25 mm | +/- 0.25 mm |
| Longitudinal speed | 1–300 mm/s | 1–300 mm/s |
| Lowest table height | 530 mm | 430 mm |
| Maximum load capacity | 235 kg (518 lb) | 307 kg (675 lb) |

4. Console

4.1 Parallel workflow

Dual-monitor console is designed for simultaneous operations of scanning on left monitor and post-processing – such as filming, reporting, reviewing, and analysis – on right monitor for uninterrupted workflow.

4.2 Auto Voice

A standard set of commands for patient communication before, during, and after scanning in the following languages: Arabic, Chinese, English, Danish, Dutch, French, Georgian, German, Hebrew, Italian, Japanese, Norwegian, Portuguese, Russian, Spanish, Swedish, Turkish.

Note: Additional languages will continue to be added in the future.

Support of some languages may vary by configuration. Customized messages can also be created.

4.3 Graphic User Interface

Chinese, English, French, Italian, German, Japanese, Portuguese, Russian, Spanish.

5. Patient supports

Patient supports, standard table

| |
|----------------------------------|
| Standard |
| Flat head holder cushion |
| Foot extension |
| Foot extension cushion |
| Head holder |
| Head rest cushion |
| Knee pad |
| Neck cushion |
| Patient straps and slideway unit |
| Table pad |
| Optional |
| Arms support |
| Arms-over-head rest |
| Coronal head rest |
| Coronal head cushion |
| Flat head rest |
| Flat mattress slicker |
| Foot pedal |
| Infant cradle |
| IV pole holder |
| Paper roller |
| Table side handle |

Patient supports, bariatric table

| |
|---------------------|
| Standard |
| Foot pedal |
| Head holder |
| Head rest cushion |
| Knee pad |
| Patient straps |
| Table pad |
| Optional |
| Arms support |
| Arms-over-head rest |
| Infant cradle |
| IV pole holder |
| Paper roller |
| Radiology flat top |



6. Imaging chain

6.1 Generator

| Feature | Specification |
|-----------------------------------------|-----------------------|
| Effective power with iDose ⁴ | 94 kW, 105 kW (opt) |
| Power rating | 72 kW, 80 kW (opt) |
| kVp setting | 70, 80, 100, 120, 140 |
| mA range (step size) | 5 – 667 (1 mA) |

Note: Effective power is calculated by using generator power and using iDose⁴ at the same time. This gives CT 5300 effectively more power.

6.2 X-ray tube

| Feature | Specification |
|-----------------------------------------------|-----------------------------------------|
| Focal spot sizes, IEC 336/93 | Small: 0.5 x 1.0 Large: 1.0 x 1.0 |
| Anode effective heat capacity | ≥25 MHU _{eff} ; direct cooling |
| Anode heat capacity | 8.0 MHU |
| Continuous anode input power (IEC 60613:2010) | ≥5.5 kW |
| Anode diameter | 200 mm |
| Anode rotation speed | 105 Hz (6,300 rpm) |
| Target angle | 7° |
| Maximum helical exposure time | 120 s |

6.3 NanoPanel Precise detector

| Feature | Specification |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Slices | 128 |
| Coverage | 40 mm |
| Material | Solid-state GOS with 43,008 elements |
| Slip ring | Optical – 5 Gbps transfer rate |
| Data sampling rate | Up to 2,320 views/revolution/element |
| Collimations available | 2 x 0.625 mm 4 x 0.625 mm 12 x 0.625 mm 16 x 0.625 mm 32 x 0.625 mm 64 x 0.625 mm 12 x 1.25 mm 32 x 1.25 mm |
| Slice thickness (helical mode) | 0.67 mm – 5 mm |
| Slice thickness (axial mode) | 0.625 mm – 10 mm |
| Scan angles | 240°, 360° |
| Scan field of view | 500 mm |

7. Image quality

7.1 Spatial resolution

Spatial resolution

High mode

Specification

16.0 ± 10% lp/cm @ 0% MTF

13.5 ± 10% lp/cm @ 2% MTF

> 11.0 lp/cm @ 10% MTF

> 6.0 lp/cm @ 50% MTF

Standard mode

13.0 ± 10% lp/cm @ 0% MTF

11.5 ± 10% lp/cm @ 2% MTF

9.5 ± 10% lp/cm @ 10% MTF

5.0 ± 10% lp/cm @ 50% MTF

7.2 Low-contrast resolution

Feature

Low-contrast resolution (with iDose⁴)

Specification

2 mm @ 0.3%; ≤ 42mGy CTDI_{vol} (body)

3 mm @ 0.3%; ≤ 22 mGy CTDI_{vol} (body)

4 mm @ 0.3%; ≤ 15.5 mGy CTDI_{vol} (body)

5 mm @ 0.3%; ≤ 14 mGy CTDI_{vol} (body)

Low-contrast resolution (with Precise Image)

5 mm @ 0.3%; ≤ 5.5 mGy CTDI_{vol} (body)

Note: 20 cm Catphan phantom; 10 mm slice thickness

7.3 Other

Feature

Dynamic HU range.

-1,024 to +31,743

Noise (with iDose⁴)

≤ 0.18% at 120 kV, 230 mAs,

10 mm image thickness



8. Reconstruction

8.1 Reconstruction speed

| Feature | Specification |
|-----------------------------------------|---------------|
| Reconstruction speed (enhanced console) | Up to 100 IPS |

8.2 Precise Image

Precise Image is a recon mode that uses a convolutional neural network to generate noise reduction images. It provides better low contrast detectability and lower noise using reduced dose compared with standard FBP reconstruction mode.

8.3 iDose⁴

iDose⁴ improves image quality* through artifact prevention and increased spatial resolution at low dose.

8.4 O-MAR

O-MAR reduces artifacts caused by large orthopedic implants.

8.5 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.

8.6 ClearRay reconstruction

A revolutionary solution pre-computes and stores beam hardening 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.

8.7 Adaptive filtering

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



8.8 Adaptive multi-cycle reconstruction

Image data can be prospectively gated or retrospectively tagged. Adaptive multi-cycle reconstruction automatically delivers the best temporal resolution possible for the current scan (as high as 44 ms**).

8.9 Reconstruction field of view

50 to 500 mm

8.10 Image matrix

512 x 512 • 768 x 768 • 1,024 x 1,024

8.11 Off-line reconstruction

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

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

** Applicable for 0.35s/r.

9. 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.

9.1 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 and neck to provide appropriate dose and image quality within a single acquisition.

9.2 CT Dose Check

Supports an operator notification in each exam card 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.

9.3 DICOM structured reporting and IHE REM profile

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

9.4 3D-DOM

3D-DOM combines angular and longitudinal information to modulate dose in three dimensions. Personalizes dose for each patient by automatically suggesting tube current settings according to the estimated patient diameter in the scan region. 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.

9.5 Dedicated pediatric protocols

Age- and weight-based pediatric protocols produce diagnostic images at a minimum dose according to patient age for head scans, and patient weight for body scans.

9.6 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.

9.7 Dose performance data

| $CTDI_{vol}$ | Measurement |
|--------------|-------------------|
| Head | 14.07 mGy/100 mAs |
| Body | 8.11 mGy/100 mAs |

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

10. Clinical enhancements

10.1 Direct results

End-to-end workflow with clinical intelligence for direct and comprehensive clinical results, optimal image quality and consistency.

10.2 Precise Planning

Precise Planning can automatically adjust the scan range of subsequent axial or helical scan series based on the surview image – a convenient assistant for you to set scan range. Precise Planning supports head, lung, L-spine disc, C-spine (for helical protocol), liver, pelvis, femur head and heart, lung screening, chest/abdomen combination scan, and CAP (chest, abdomen, pelvis) scan mode.

10.3 Precise Spine

An important practice of Direct Results, with preset protocols defining expected batch results of lumbar and cervical disc for optimal workflow efficiency and clinical consistency.

10.4 Precise Brain

An important practice of Direct Results, with preset protocols defining expected batch results of brain for optimal workflow efficiency and clinical consistency.

10.5 Split study

Allows automatic split of the exam series into separate exams based on the procedure descriptions.

10.6 Bolus tracking

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

10.7 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.

10.8 Clinical applications

- CT Reporting
- MPR
- MinIP
- Volume Rendering
- Filming
- MIP
- AIP
- Virtual Endoscopy

Optional

10.9 Brain Perfusion

Allows the physician to differentiate areas of increased blood volume and decreased blood flow and presents information that may help to distinguish between still-viable and non-viable infarcted tissue. Using serial CT scans obtained with intravenous injection of contrast, Brain Perfusion derives perfusion information from the time-density curves based on the uptake of injected contrast material and subsequent tissue enhancement. The application generates quantitative color maps of cerebral blood flow (CBF), cerebral blood volume (CBV), mean transit time (MTT) and time-to-peak (TTP).

10.10 Neuro Essentials

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 data sets are registered automatically to provide the extended coverage.

- Brain Perfusion
- Jog Scan

10.11 Dental Planning

Generates panoramic views and cross-sectional cuts of mandible and maxilla from ultra-high-resolution axial slices.

10.12 Lung Nodule Assessment

Provides nodule analysis and follow-up studies for doubling time to give reference details for benign and malignant definition of lung cancer, as well as early diagnosis and treatment.

10.13 CT Colonoscopy

Virtual Colonoscopy can provide automatic colon segmentation, virtual endoscopy, transparent view, cross-sectional and unfold view. Navigation Stage in viewer allows full freedom for clinicians to fly through the colon virtually and mark the polyps for measurements and clinical analysis.

10.14 Vessel Analysis

This set of tools for general vascular analysis allows the user to easily remove bone and extract and segment the vessels to quickly perform typical measurements such as intraluminal diameter, cross-sectional lumen area and length of vessel's segments, and angle of the vessels. The package allows the user to display the data set using volume rendering, Average, or MIP with cross-section images that can be used to delineate aneurysm, presence of mural calcification and lining mural thrombus, branch vessel (celiac, mesenteric, renal) and the iliofemoral arterial runoff circulation.

10. Clinical enhancements (continued)

Optional

10.15 Cardiology solutions

Cardiac Essentials

Includes both Cardiac Calcium Scoring Acquisition and post-processing application. Prospectively triggers axial scans for accurate and reproducible calcium scoring studies, and is used to quantify the buildup of calcium plaque on the walls of the patient's coronary arteries and other relevant locations. The potential calcifications are highlighted by the application during launch. As you mark calcifications, the application accumulates the calcium data and calculates the patient's calcium score based on a scoring protocol. A compare function allows you to evaluate scoring results from two studies of the same patient – the original and a follow-up.

Cardiac Plus package

Designed to allow basic cardiovascular imaging of the heart. Includes Retrospective Tagging, Calcium Scoring Acquisition, Cardiac Calcium Scoring Analysis, Cardiac Coronary Artery Analysis and Cardiac Function Analysis.

Step & Shoot Complete

Enables low-dose, prospectively ECG-triggered, axial thoracic imaging. Allows gated, isotropic imaging of the entire thorax (up to 50 cm trans-axial field of view), including the coronary arteries. Ideal for patients with heart rates below 70 bpm.

Precise Cardiac

A single series of motion-corrected cardiac images created by compensating coronary artery motion in a pre-defined range around a reference phase by using overlapped short-scan data volumes. Precise Cardiac reconstruction provides an effective temporal resolution of 29 ms[†].

10.16 Interventional solutions

Interventional Essentials Cart

Continuous CT (CCT) applications utilize cart-mounted monitor(s) synchronized with parallel console workflow. CCT biopsy with single, continuous and fluoro mode enables the clinician to perform scans from the gantry room using a foot pedal and view images on the cart-mounted, in-room monitor(s) to guide planning and monitoring.

Interventional Essentials Ceiling

Includes CCT applications utilizing ceiling-mounted monitor(s) synchronized with parallel console workflow. CCT biopsy with single, continuous and fluoro mode enables the clinician to perform scans from the gantry room using a foot pedal and view the images on the ceiling-mounted, in-room monitor(s) to guide planning and monitoring.

Interventional Plus Cart

The Interventional Plus Cart includes two main functions. The first part is Continuous CT (CCT) applications utilizing dual cart-mounted monitors synchronized with parallel console workflow. CCT biopsy with single, continuous and fluoro mode enables the clinician to perform scans from the gantry room using a foot pedal and view the images on the cart-mounted, in-room monitor(s) for guidance planning and monitoring. The second part is Interventional Control Kit, which provides some advanced tools such as table movement control, image adjustment and joystick to facilitate interventional procedures.

Interventional Plus Ceiling

The Interventional Plus Ceiling includes two main functions. The first part is CCT applications utilizing dual ceiling-mounted monitors synchronized with parallel console workflow. CCT biopsy with single, continuous and fluoro mode enables the clinician to perform scans from the gantry room using a foot pedal and view the images on the ceiling-mounted, in-room monitors for guidance planning and monitoring. The second part is Interventional Control Kit, which provides some advanced tools such as table movement control, image adjustment and joystick to facilitate interventional procedures.

Precise Intervention*

Precise Intervention provides virtual needle path and guidance by automatically calculating needle depth, tip-to-target distance, angle and deviation from plan.

10.17 Precise Position**

Supports automatic patient positioning for enhanced user workflow and inter-operator consistency. Automatically displays the recommended vertical position and start and end positions, in addition to the selection of patient orientation on both the gantry panel and console. Via the smart load button, the system places the couch at the recommended vertical height and start position.

10.18 Dual Energy

Includes a dual-energy scan that allows the acquisition and reconstruction of sequential dual-energy scans. The Spectral Analysis application may allow separation and analysis of materials such as calcium and uric acid when used with dual-energy scan data.

[†] Applicable for 0.35 s/r.

* Precise Intervention is not AI Enabled.

** Patients below the age of 18 are not supported.

11. Virtual Imaging tools

11.1 CT Collaboration Live extends your team's capabilities with remote connectivity

Communicate directly from the CT scanner with your peers to simplify consultation and training. CT Collaboration Live provides ability to chat, call, video call, share screen and access* remotely to CT console for peer-to-peer consultation and internal training.

- System-level remote sharing and control
- Remote expert support
- Access to live image feed

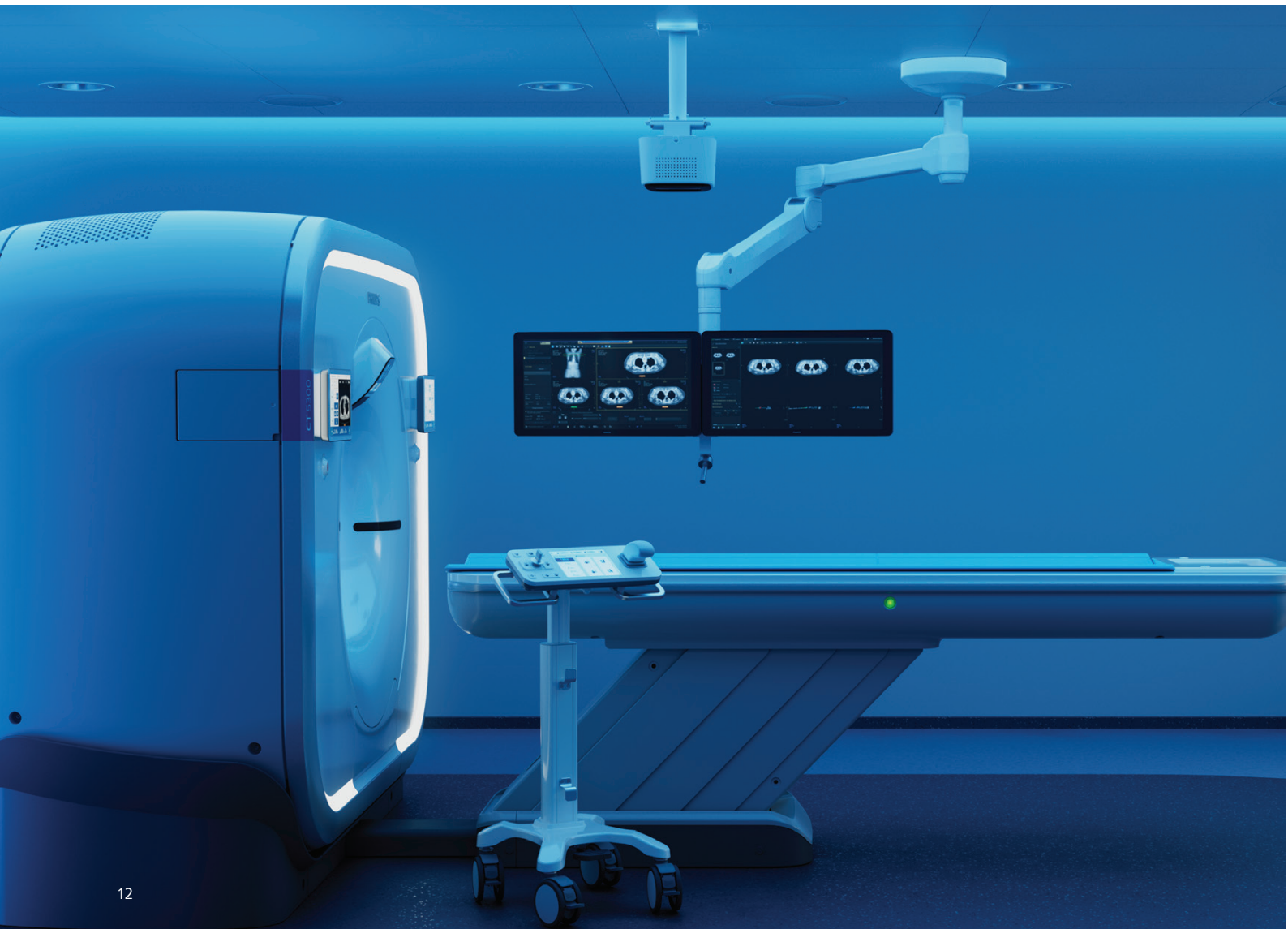
CT Collaboration Live is integrated in CT scanner workflow and easily integrates with existing IT infrastructure.

11.2 Lifecycle Learning online training builds and sustains staff competency

Access instructor-led remote training with a Philips clinical expert and build staff proficiency using an e-learning portal.

- Instructor-led remote sessions: Receive three hours of clinical training four times per contract year based on your organization's clinical training needs. Delivered remotely by Philips CT clinical application specialists on a topic jointly agreed between Philips and users.
- E-learning library: Get unlimited access to a blend of online learning materials, from e-learning modules to videos, webinars, and other digital content. Expand and refresh imaging-related knowledge and skills of your clinical team, obtain continuing education credits to maintain certification or professional licensure (only available in US).

* Does not include gantry or couch movements from CT console screen for safety purposes.



12. Networking and storage

12.1 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.

12.2 DICOM

DICOM 3.0-compliant image format. Images can be auto-stored to selected archive media.

Includes the following DICOM functionality:

- Service-class user and profile (CT, secondary capture)
- DICOM Print
- DICOM Modality Worklist
- Query/Retrieve User
- Modality Performed Procedure Step User
- Removable Media
- Structured Reports

12.3 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.

12.4 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.

12.5 Filming

Basic monochrome and color DICOM print capability are supported.

12.6 Image storage

| Type | Hard drive |
|---------------------|-------------|
| Capacity | 1.3 TB |
| Approximate images* | ≥ 2,600,000 |
| Patients** | ≥ 2,600 |

* 512x512 matrix; non-compressed; about 0.5 MB per image

** Based on 1,000 images per study

13. Site planning

13.1 Power requirements

- 200/208/240/380/400/415/440/460/480 VAC
- 50/60 Hz
- 115 kVA supply
- Three-phase distribution source
- Isolation transformer (optional)

13.2 Remote Software Distribution

Remote Software Distribution allows remote software download to the system from the PRS portal and allows the software installation to be performed by service.

13.3 Console Uninterrupted Power Supply (UPS) (optional)

Provides up to 30 minutes of backup power for host system.

13.4 Environmental requirements

Temperature

| | |
|----------------------------|---------------------------|
| Gantry room | 18 to 24°C (64 to 75°F) |
| Control room | 10 to 30°C (50 to 86°F) |
| Operating maximum gradient | 5°C/hour |
| Storage temperature | -15° to 45°C (5 to 113°F) |
| Storage maximum gradient | 10°C/hour |
| Transportation | -20°C to +50°C |

Humidity

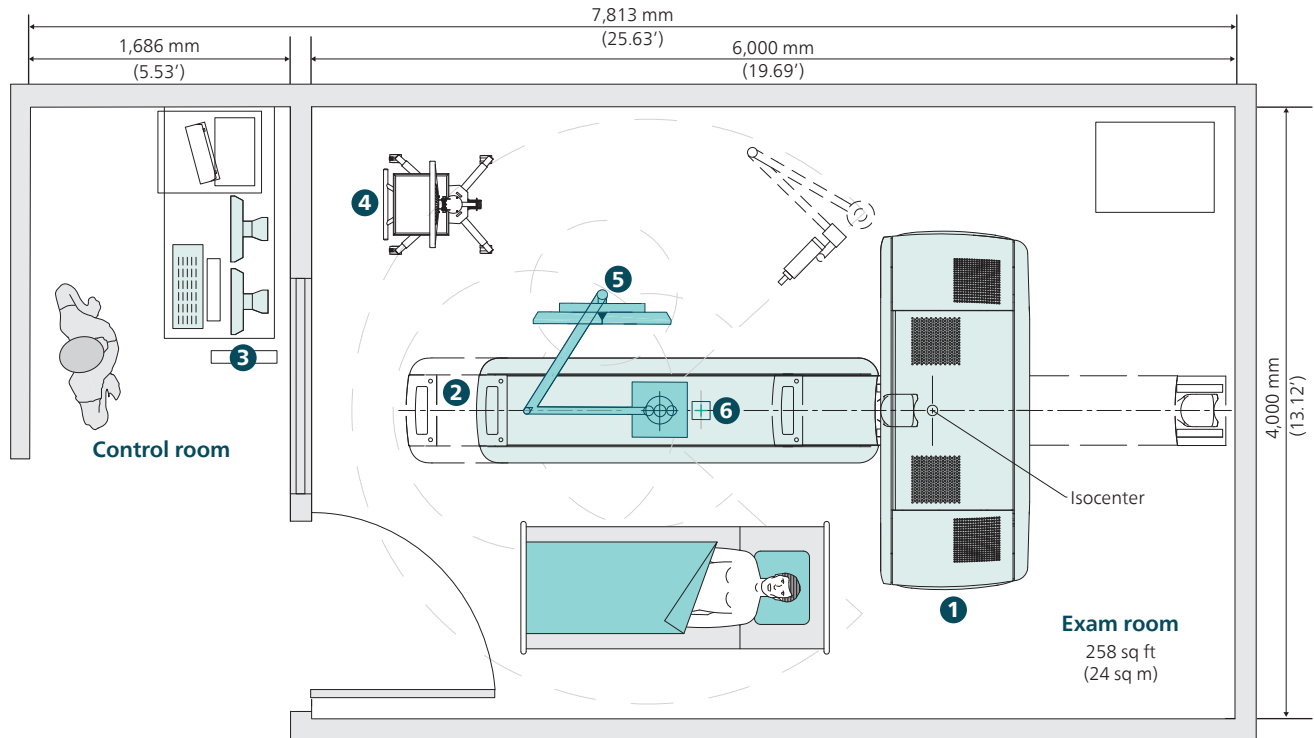
| | |
|-------------------------|----------------------------|
| Gantry and control room | 40% to 70%, non-condensing |
| Storage | 20% to 80%, non-condensing |
| Transportation | 20% to 80%, non-condensing |

Air pressure

| | |
|----------------|---------------|
| Operating | 70 to 106 kPa |
| Storage | 50 to 106 kPa |
| Transportation | 50 to 106 kPa |

13. Site planning (continued)

13.5 System requirements – preferred room layout (with standard table)



13.6 Dimensions and weights, per unit

| Type | Length | Width | Height | Weight |
|----------------------------------------------|----------|--------|----------|---------|
| ① Gantry scanner | 2,333 mm | 973 mm | 1,956 mm | 2036 kg |
| ② Standard table | 2,610 mm | 700 mm | 1,000 mm | 360 kg |
| Bariatric table | 3,060 mm | 516 mm | 1,088 mm | 650 kg |
| ③ Console UPS (optional) | 497 mm | 430 mm | 85 mm | 15.8 kg |
| ④ CCT cart (optional) | 560 mm | 560 mm | 1,640 mm | 60 kg |
| ⑤ Ceiling mounted CCT (optional) | | | | |
| ⑥ Ceiling mounted workflow camera (optional) | | | | |

14. EcoPassport

EcoPassport

As a company committed to doing business sustainably, we are keen to help our customers make responsible choices. We offer solutions that aim to improve people's health and well-being while reducing impact on the environment.

Our EcoPassports summarize the environmental benefits our products offer in one or more of our focal areas. For example, increased energy efficiency, more sustainable packaging,

or a circular-ready product design; optimized for repair, refurbishing and recycling.

In this way, we want to help each purchase decision be the right one for our customer's needs *and* the planet.

Further reading at: www.philips.com/sustainability.



Energy

- Ready to scan: 8.5 kW
- Standby mode: 3.4 kW
- On/Scan mode: up to 97.8 kW
- Energy usage per year: 23819 kWh¹



Packaging

Total weight: 490 kg



Substances

RoHS 2²
REACH compliant



Weight

Product: 2426 kg



Circularity

- Refurbishment program available
- Average material weight used during refurbishment is 86%³
- 100% committed to responsible take-back of systems⁴
- Service and spare parts available
- Technology Maximizer subscription available⁵

¹ Based on the standard use case scenario defined by COCIR: a mix of 20 scans (5 abdomen, 9 head, 3 spine, 3 chest) over a 12-hour period.

² EU Directive 2011/65/EU plus amendment 2015/863.

³ Based on the average weight re-use percentage per system for Philips CT Refurbished Systems in 2023.

⁴ Provided upon customer's acceptance of our trade-in offer or as a service at customer request. Equipment returned to Philips is, where feasible, made available for refurbishment and/or parts recovery, or locally recycled in a certified way.

⁵ <https://www.philips.com/c-dam/b2bhc/master/resource-catalog/landing/2019-ct-launch/product-brochure-ct-tech-max.pdf>.

Enhancing the capabilities of your existing scanners, the SmartPath upgrade offers easy access to knowledge-based iterative reconstruction.



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



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



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

The CT 5300 is a computed tomography X-ray system intended to produce images of the head and body by computer reconstruction of X-ray transmission data taken at different angles and planes. These devices may include signal analysis and display equipment, patient and equipment supports, components and accessories. The CT 5300 is indicated for head, whole body, cardiac and vascular X-ray computed tomography applications in patients of all ages. These scanners are intended to be used for diagnostic imaging and for low dose CT lung cancer screening for the early detection of lung nodules that may represent cancer.* The screening must be performed within the established inclusion criteria of programs and protocols that have been approved and published by either a governmental body or professional medical society.

* Please refer to clinical literature, including the results of the National Lung Screening Trial (N Engl J Med 2011;365:395-409) and subsequent literature for further information.

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 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.



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Printed in the Netherlands.
4522 991 88831 * DEC 2024

