

# Specifications

## CT 5300 - Specifications

Generator Power:	80 kW	kVp settings:	70, 80, 100, 120 ,140 kV
Slices:	Up to 128 slices	Bore Size:	72 cm
Reconstruction speed:	Up to 100 IPS	Tube Capacity:	8 MHU
Detector:	NanoPanel Precise	Coverage:	40 mm
Rotation Speed:	Up to 0.35s	Scannable range:	Up to 2.000 mm

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

1 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 In clinical practice, the use of Precise Image may reduce CT patient dose depending on the clinical task, patient size, and anatomical location. 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. Dose reduction assessments were performed using reference body protocols with 1.0 mm slices at the "Smoother" setting, and tested on the MITA CT IQ Phantom (CCT189, The Phantom Laboratory) assessing the 10 mm pin and compared to filtered-back projection. A range is seen across the four pins, using a channelized hotelling observer tool, that includes lower image noise by 85% and improved low-contrast detectability from 0% to 60% at 50% to 80% dose reduction. NPS curve shift is used to evaluate image appearance, as measured on a 20 cm water phantom in the center 50 mm x 50 mm region of interest, with an average shift of 6% or less. Data on file.

3 Precise Image for cardiac scans is 510(k) pending – not available for sale in the USA

4 Based on Philips in-house assessment by five clinical experts, comparing manual positioning versus Precise Position in 40 clinical cases using a human body phantom.

5 This product is not commercially available for sale in the USA.

6 Quantitative Report 2020 Incisive CT. The MarketTech Group. November, 2020.

7 Based on Philips in-house assessment by five clinical experts, comparing manual versus CT Smart Workflow and OnPlan in five clinical cases using a human phantom. Results may vary in different

environments.

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

9 Philips internal data. Case Resolution Dashboard in Qlikview, May 2021 to March 2022. Data shown is an average based on a comparison of remotely connected CT systems.

10 Data is based on the comparison between remotely connected/reachable and non-remotely connected/non-reachable systems. Data sample from August 2021 to July 2022 for all CT Brilliance Air Product Line, iCT Product Line, Ingenuity Product Line, Incisive and Spectral CT, which are with full remote capabilities under service contract (n=5144).

11 Actual operating costs for customers vary significantly because many variables exist (such as CT make and model, hospital or imaging center size, case mix, system usage). The potential savings identified estimates the avoidance of purchasing replacement tubes over a 10-year useful life of a CT system, based on an average selling price of \$140,000 per replacement tube and estimated tube life of three years. There can be no guarantee that all customers will achieve this result.