

PRIZMED Imaging CTMedicalScanners.com CT SCANNER COMPARISON TABLE

Manufacturer	Model	Price Range	Slice Count	Gantry aperture, cm	Heat storage, MHU	Tube Cooling	kW output	mA Range	Max load capacity with accuracy, kg	Reconstruction matrixes	Suggested room
GE	DISCOVERY CT750 HD	310k-340k	64	70	8	Oil / Air	100	10mA to 835mA	225	512 × 512	
GE	Discovery STE 16 PET/CT	180k-260k	16	70	6.3	Oil / Air	53	10-440 mA	181	512 × 512	
GE	Discovery VCT 64 PET/CT	370k-410k	64	70	6.3	Oil / Air	80	10-440 mA	181	512 × 512	
GE	Discovery 710 PET/CT 128	765k-800k	128	70	6.3	Oil / Air	80	10-600 mA	227	512x512	
GE	Discovery 710 PET/CT 64	720k-740k	64	70	6.3	Oil / Air	80	10-600 mA	227	512x512	
GE	Discovery 690 PET/CT 64	425k-610k	64	70	6.3	Oil / Air	80	10-600 mA	227	512 × 512	
GE	LightSpeed VCT	180k-210k	64	70	8	Oil/Air	2, 85 or 100	to 600, 700 or 827	+/- 0.25 mm	512 x 512	34.2 (21.7 min.)
GE	LightSpeed VCT Select	180k-210k	64	70	8	Oil/Air	100	10 to 800mA	227 +/- 0.25 mm	512 x 512	34.2 (21.7 min.)
GE	LightSpeed VCT XT 64 Slice	125k-155k	64	70	6.3	Oil/Air	100	10-600mA	205	512 x 512	
GE	BrightSpeed Edge Select	105k-135k	8	70	6.3	Oil/Air	53.2	10 to 440	205 +/- 1 mm	512 x 512	28
GE	BrightSpeed Elite	125k-155k	16	70	6.3	Oil/Air	42	10 to 350	205 +/- 1 mm	512 x 512	18.2
GE	Brivo CT385	165k-195k	16	70		Oil / Air	40	10-200mA	180	512 x 512	17(min)
GE	Lightspeed 16	110k-160k	16	70	7.5-8	Oil / Air	100	10-440mA	205	512 x 512	
GE	Lightspeed 16 Mobile	240k-280k	16	70	7.5-8	Oil / Air	100	10-440mA	205	512 x 512	
GE	LightSpeed RT 16	110k-160k	24	80	8	Oil/Air	100	10 to 800	or 227 +/- 0.25	512 x 512	28 (45 optimal)
GE	Optima CT520	225k-255k	16	70	3.5 or 6.3	Oil / Air	42	10-350mA	205	512 x 512	
GE	Optima CT540	225k-255k	16	70	6.3	Oil / air	53.2	10-440mA	227	512 x 512	
GE	Optima CT580 RT	235k-265k	16	90	8	Oil / air	53	10, 100, 120, 140	227	512 x 512	
GE	Optima CT660 64	260k-285k	64	70	6.3	Oil / Air	72	10-600mA	227	512 x 512	
GE	Optima CT660 128	300k-325k	128	70	6.3	Oil / Air	72	10-600mA	227	512 x 512	
GE	Revolution Apex	CFP	256	80	3.3	Oil / air	108	10-1300mA	227	512 x 512	
GE	Revolution Ascend	CFP	64	75	7	Oil / air	55 or 72	160mA or 10 - 560	227	512 x 512, 1024 X 1024	
GE	Revolution EVO Gen 3	215k-245k	128	70	6.3	Oil / Air	72	10-560mA	306	512 x 512	
GE	Revolution Frontier Gen 3	270k-300k	64	70	8	Oil / Air	100	10-835	227	512 x 512, 1,024 X 1,024	
GE	Revolution Maxima	CFP	64	70	7	Oil / air	72		227	512 x 512, 1,024 X 1,024	
Hitachi	Scenaria 128	255k-285k	128	75	7.5	Oil / air	72-84	10-600mA	230	512 x 512	26.5

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Hitachi	Scenaria 64	230k-260k	64	75	7.5	Oil / air	72-80	10 - 600mA	230	512 x 512	
Hitachi	Supria Plus	160k-190k	16	75	5	Oil / air	51	10-400mA	227	512 x 512	
Neurologica	BodyTom 64	830k-860k	64	85	3.5		42	30-300mA		512 x 512	
Neurologica	BodyTom 32	280k-315k	32	85	2.5	Oil/Air	32	20-240mA		512 x 512	
Neurologica	CereTom Elite	175k - 205k	8	32		Air	1.05	1-7mA		512 x 512, 1,024 X 1,024	
Philips	Brilliance 16 mobile	275k-295k	16	70	8	Air	50	30-500mA	204	521 x 512	
Philips	Gemini 16 PET/CT	175k-210k	16	70	8	Air	50	20-500mA	227	512 x 512	
Philips	Gemini 40 PET/CT	180k-230k	16	70	8	Air	50	20-500mA	227	512 x 512	
Philips	Gemini 64 PET/CT	260k-290k	64	70	8	Air	50	20-500mA	227	512 x 512	
Philips	Ingenuity Core 64	190k-225k	64	70	30	Air	80	20 - 667mA	250	1,024 X 1,024	
Philips	Ingenuity Flex 32	180k-225k	32	70	4	direct an	115	20-665mA	204	512x512, 1024x1024, 1536x1536	30
Philips	Brilliance 16	130k-160k	16	70	8	Oil/Air	60	20-500 in 1mA steps	204 +/- 0.25	512 x 512, 768 x 768, 1024 x 1024	N/S
Philips	Brilliance 40	137k-167k	40	70	8	Oil/Air	60	20-500 in 1 mA steps	204 +/- 0.25	512 x 512, 768 x 768, 1024 x 1024	25.9
Philips	Brilliance 64	162k-192k	64	70	8	Oil/Air	60	20-500 in 1 mA steps	204 +/- 0.25	512 x 512, 768 x 768, 1024 x 1024	25.9
Philips	Brilliance 64 Mobile	310k-340k	64	70	8	Oil/Air	60	20-500 in 1 mA steps	204 +/- 0.25	512 x 512, 768 x 768, 1024 x 1024	25.9
Philips	Ingenuity 128	215k-245k	128	70	30	Air	80	20-667 in 1mA steps	204 (295 optional)	512, 768, 1024	26 (36 optimal)
Philips	Brilliance CT Big-Bore-Oncology	130k-155k	16	85	8	Oil/Air	60	20in 1 mA steps	204 +/- 0.25	512 x 512, 768 x 768, 1024 x 1024	25.9
Siemens	SOMATOM Perspective 64	200k-230k	64	70	6	Air	112	20 - 345mA	227	512 x 512	18.5
Siemens	SOMATOM Definition AS 20	180k-210k	20	78	6	Water or oil	80	28 - 665mA	227	512 x 512	29
Siemens	SOMATOM Definition AS 64	215k-235k	64	78	6	Water or oil	80	20 - 800mA	227	512 x 512	29
Siemens	SOMATOM Definition Flash	320k-350k	28 (2 x 64)	78	6	Water or oil	80	20 - 800mA, dual source	307	512 x 512	23
Siemens	SOMATOM Scope 16	140k-170k	16	70	9	Air	50	25 - 345mA	200	512 x 512	13
Siemens	SOMATOM Sensation 16	115k-135k	16	70	5.3 or 8	Water	60	28-580 mA	200	512 x 512	
Siemens	SOMATOM Sensation 64	200k-230k	64	70	N/A	Water	80	28	200	512 x 512	24
Siemens	Biograph 16 PET/CT	165k-185k	16	70	7	Air	50	20-345mA	204	522 x 512	
Siemens	Biograph 6 PET/CT	130k-150k	6	70	7	Air	50	20-345mA	204	523 x 512	
Siemens	Biograph 64 PET/CT	240k-260k	64	70	7	Air	80	20-345mA	204	524 x 512	

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Siemens	Definition 128 (Dual Source)	240k-270k	128	up to 80	N/A	Oil/Air	60	28 to 665	N/A	512 x 512	N/A
Siemens	Sensation 16	115k-135k	16	70	5.3 or 8	Water	60	28	200	512 x 512	24
Siemens	Sensation 40	140k-165k	40	70	8	Oil/Air	60	28 to 580	200	512 x 512	N/A
Siemens	SOMATOM Definition 64	205k-235k	64	78	le to perf	water or C	Optional 1	665 (optional	27 (299 optional	512 x 512	29
Siemens	SOMATOM Emotion 16	125k-155k	16	70	5	Oil / Air	50	20 to 345mA	204	512 x 512	22
Siemens	SOMATOM Emotion 16 Mobile	255k-275k	16	70	5	Oil / Air	50	20 to 345mA	204	512 x 512	22
Toshiba	Aquilion 16	125k-155k	16	72	7.5	Oil/Air	60	10 to 580	205 +/- .25	512 x 512	21 (19 min.)
Toshiba	Aquilion 32	155k-185k	32	72	7.5	Oil/Air	60	10-50 (5 mA step	205 +/- .25	256 x 256	N/A
Toshiba	Aquilion 64	175k-195k	64	72	7.5	Oil/Air	60	10-500 (10 mA step	205 +/- .25	512 x 512	N/A
Toshiba	Aquilion 64 CFX	175k-195k	64	72	7.5	Oil/Air	60	10-50 (5 mA step	205 +/- .25	512 x 512	27
Toshiba	Aquilion 64 Mobile	295k-325k	64	72	7.5	Oil/Air	60	10-500 (10 mA step	205 +/- .25	512 x 512	N/A
Toshiba	Aquilion Large Bore (RT)	147k-167k	40	90	7.5	Oil/Air	60	10 - 500mA	205 +/- .25	512 x 512	21 (19 min.)
Toshiba	Aquilion Lightning 16	145k-175k	16	72	7.5		60		205	512x512, 1024x1024	
Toshiba	Aquilion One	240k-275k	320	72	7.5	Liquid	70	steps), 50-580 (	230	512 x 512	N/A
Toshiba	Aquilion Precision 16	CFP	160	78	7.5		60/72	10-600mmA	315	512 x 512, 1024 x 1024, 2048 x 2048	
Toshiba	Aquilion Premium	225k-255k	160	78	8	Liquid	72	10-600mA	200	524 x 512, 1024 x 1024	
Toshiba	Aquilion Prime	215k-245k	160	78	7.5	Oil / Air	72		300	512 x 512	14.8

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