

# 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	Capacity with accuracy, kg	Reconstruction matrices	Suggested room size, m <sup>2</sup>
GE	DISCOVERY CT750 HD	275k-305k	64	70	8	Oil / Air	100	10mA to 835mA	225	512 x 512	
GE	LightSpeed VCT	180k-210k	64	70	8	Oil/Air	72, 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	200k-230k	16	70		Oil / Air	40	10-200mA	180	512 x 512	17(min)
GE	GE Discovery 4 PET	85k-115k	4	70	6.3	Air	42	10-440 mA	227	512 x 512	
GE	GE Discovery ST	150k-180k	16	70	7.5	Air	53	10-440 mA	204	512 x 512	
GE	HiSpeed NX/I Dual	75k-105k	2	70	5.3	Air	42	10-300mA	204	515 x 512	
GE	LightSpeed 16	130k-160k	16	70	7.5-8	Oil / Air	100	10-440mA	205	512 x 512	
GE	LightSpeed 16 Mobile	85k-115k	16	70	7.5-8	Oil / Air	100	10-440mA	205	512 x 512	
GE	LightSpeed RT 16	150k-180k	24	80	8	Oil/Air	100	10 to 800	or 227 +/- 0.25	512 x 512	28 (45 optional)
GE	LightSpeed Ultra	87k-117k	8	70	6.3	Oil/Air	53	10 to 440	205	N/A	N/A
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	240k-270k	32,64,128	70	6.3	Oil / Air	72	10-600mA	227	512 x 512	
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	
Hitachi	ECLOS16	135k-165k	16	70	5	Oil / air	48	10-400mA	225	512 x 512	22.5
Hitachi	Scenaria 128	255k-285k	128	75	7.5	Oil / air	72-84	10-600mA	230	512 x 512	26.5
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	270k-300k	64	85	3.5		42	30-300mA		512 x 512	
Neurologica	BodyTom 32	270k-300k	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	75k-105k	16	70	8	Air	50	30-500mA	204	521 x 512	
Philips	Gemini 16 PET/CT	135k-165k	16	70	8	Air	50	20-500mA	227	512 x 512	
Philips	Gemini 40 PET/CT	157k-187k	16	70	8	Air	50	20-500mA	227	512 x 512	
Philips	Gemini 64 PET/CT	250k-280k	64	70	8	Air	50	20-500mA	227	512 x 512	
Philips	Ingenuity Core 64	230k-260k	64	70	30	Air	80	20 - 667mA	250	1,024 X 1,024	
Philips	Ingenuity Flex 32	195k-225k	32	70	4	Air / direct anode	115	20-665mA	204	512x512, 1024x1024,	30
Philips	MX8000 IDT 16 Slice	130k-160k	16	70	6.5	Water	160	30 - 500mA	200	512 x 512,	25
Philips	Brilliance 16	130k-160k	16	70	(MRC technolog	Oil/Air	60	to 500 in 1mA ste	204 +/- 0.25	512 x 512, 768 x 768, 1024 x 1024	N/S
Philips	Brilliance 40	137k-167k	40	70	(MRC technolog	Oil/Air	60	to 500 in 1 mA ste	204 +/- 0.25	256 x 256, 512 x 512; optional	25.9
Philips	Brilliance 64	162k-192k	64	70	(MRC technolog	Oil/Air	60	to 500 in 1 mA ste	204 +/- 0.25	256 x 256, 512 x 512; 768 x 768	25.9
Philips	Brilliance 64 Mobile	123k-153k	64	70	(MRC technolog	Oil/Air	60	to 500 in 1 mA ste	204 +/- 0.25	256 x 256, 512 x 512; 768 x 768	25.9
Philips	Ingenuity CT	215k-245k	64 (128)	70	C Ice (30 MHU)	Air	80	to 667 in 1mA ste	204 (295 optional)	5, 122; 7,682; 10,242	26 (36 optional)
Philips	Brilliance CT Big-Bore-Oncology	138k-168k	16	85	(MRC technolog	Oil/Air	60	to 20in 1 mA steps	204 +/- 0.25	256 x 256, 512 x 512; optional	25.9
Siemens	SOMATOM Perspective 64	200k-230k	64	70	6	Air	112	20 - 345mA	227	512 x 512	18.5

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Siemens	SOMATOM Definition AS 20	180k-210k	20	78	able to perform l / water or oil / i		80	28 - 665mA	227	512 x 512	29
Siemens	SOMATOM Definition AS 64	205k-235k	64	78	able to perform l / water or oil / 80 (optional 100)			20 - 800mA	227	512 x 512	29
Siemens	SOMATOM Definition Flash	305k-335k	128 (2 x 64)	78	able to perform l / water or oil / 80 (optional 100)	to the performal split cooling w	200 (2 x 100)	800mA, dual so	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 4	23k-53k	4	70	3.5	Air	60	20-500mA	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	145k-175k	16	70	7	Air	50	20-345mA	204	522 x 512	
Siemens	Biograph 6 PET/CT	68k-98k	6	70	7	Air	50	20-345mA	204	523 x 512	
Siemens	Biograph 64 PET/CT	195k-225k	64	70	7	Air	80	20-345mA	204	524 x 512	
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	125k-155k	16	70	5.3 or 8	Water	60	28	200	512 x 512	24
Siemens	Sensation 40	120k-150k	40	70	8	Oil/Air	60	28 to 580	200	512 x 512	N/A
Siemens	SOMATOM Definition 64	205k-235k	64	78	able to perform l / water or oil / A30 (optional 100)			665 (optional 827 (299 optional		512 x 512	29
Siemens	SOMATOM Emotion 16	80k-110k	16	70	5	Oil / Air	50	20 to 345mA	204	512 x 512	22
Siemens	SOMATOM Emotion 16 Mobile	80k-110k	16	70	5	Oil / Air	50	20 to 345mA	204	512 x 512	22
Siemens	SOMATOM Sensation 16 Mobile	75k-105k	16	70	5.3 or 8	Water	60	28-580 mA	204	512 x 512	
Toshiba	Activion 16	160k-190k	16	72	4		42	10 - 300mA	205	512 x 512	
Toshiba	Alexion 16	160k-190k	16	72	4	Air	42	10 - 300mA	205	512 x 512	
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	165k-195k	64	72	7.5	Oil/Air	60	10-50 (10 mA step	205 +/- .25	512 x 512	N/A
Toshiba	Aquilion 64 (Vet)	165k-195k	64	72	7.5	Oil/Air	60	10-50 (10 mA step	205 +/- .25	512 x 512	N/A
Toshiba	Aquilion 64 CFX	165k-195k	64	72	7.5	Oil/Air	60	10-50 (5 mA step	205 +/- .25	512 x 512	27
Toshiba	Aquilion 64 Mobile	165k-195k	64	72	7.5	Oil/Air	60	10-50 (10 mA step	205 +/- .25	512 x 512	N/A
Toshiba	Aquilion LB	165k-195k	16	90	7.5	Air	60	10 - 500mA	205	512 x 512	
Toshiba	Aquilion Lightning 16	145k-175k	16	72	7.5		60		205	512x512, 1024x1024	
Toshiba	Aquilion One	315k-345k	320	72	7.5	Liquid	70	10-50 (5 mA step	230	512 x 512	N/A
Toshiba	Aquilion Premium	225k-255k	160	78	8	Liquid	72	10-600mA	200	524 x 512, 1024 x 1024	
Toshiba	Aquilion Prime	225k-255k	160	78	7.5	Oil / Air	72		300	512 x 512	14.8
Toshiba	Astelion 16	160k-190k	16	72	4		72				10.4

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