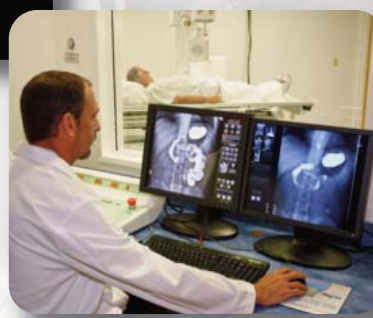


VARIAN

medical systems



Imaging Components

Product Catalog 2014

A Great Image Starts With Varian

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Andheri (East), Mumbai-400059 India

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Fax: (91) 22 2838 5614

On-Line Support

For product data sheets, technical documentation, forms, tube delivery information, articles, and white papers go to www.varian.com/us/xray. Here you will find a basic understanding of X-ray technology and product features for typical applications. Specific requirements should be discussed with Varian sales and service representatives. Please contact Varian for more information on any of these topics.

Terms

Net thirty (30) days from date of invoice with approved credit. Shipping charges are additional, Ex-Works Factory. Prices are subject to change without notice. Prices are in U.S. dollars.

Appropriate Varian Medical Systems Terms and Conditions of Sale apply.

Ordering

Varian requires confirmation of all orders in writing.

For international orders please advise ultimate destination, special shipment instructions, customer requirements, and any necessary regulatory requirements (i.e CE mark).

When ordering, please specify:

- Application.
- Housing, high voltage cable receptacle angle (horn angle).
- Paint Color.
- Trunnion rings, air circulator, heat exchanger, interface collimator kits (see Accessories).
- Stator type.
- Stator and heat exchanger cable length.
- When replacing an OEM tube, please specify trunnion rings.
- Collimator/interface kit may also be required.
- Call for catalog identification.

Restock

Varian will accept tubes for restocking provided they meet original specifications and are returned in original cartons via air prepaid. A twenty percent (20%) restocking charge will be deducted from any credit issued to cover the cost of testing and handling. Prior to shipment, contact the factory or service station where ordered for authorization to return tubes for restock. Requests must be made no more than six (6) months from date of shipment.

Warranty/Returns

All products returned to Varian Medical Systems **must have an RA number** clearly marked on the packaging and shipping documents. Product must be returned within 90 days of receiving RA number in order to be eligible for warranty credit.

For OEM Warranty Returns – To request an RA number, please complete the online form at:

http://www.varian.com/us/xray/products/custom_order/warranty_returns.html

or download the pdf version and email to customer service at XRPTubeReturns@varian.com or fax to 801-973-5050.

For **OEM customer service** questions or assistance call 1-800-432-4422 or 801-972-5000.

For Aftermarket Sales (Interay) Warranty Returns - To request an RA number, please complete the online form at:

http://www.varian.com/us/xray/products/immediate_delivery/warranty_returns.html or download the pdf version and email it to customer service at interay.warranty@varian.com or fax to 1-843-760-0079.

For **Aftermarket Sales (Interay) customer service** questions or assistance call 1-800-468-3729 or 843-767-3005.

Conservation

In the interest of conservation of scarce materials, and efficient utilization of high value parts, products may contain remanufactured parts. Such parts are subject to the same high standards of quality control applied to other parts and are covered by a standard warranty.

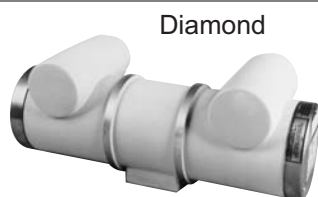
Tube Disposal

Please be aware of the environment and dispose of X-ray tubes in accordance with applicable regulations. It is recommended that failed tubes be returned to the manufacturer or an appropriate facility to ensure proper handling. All tubes returned to Varian Medical Systems for disposal will be handled in a manner that safeguards neighboring communities and the global environment.

Trademarks

All trademarks property of the respective OEM's.

Varian X-Ray Tube Units



Diamond



OR-III



B-145A



B-146H

Mobile C-Arm

INSERT TYPE	HOUSING	FOCAL SPOT	KW RATINGS	HEAT UNITS	TARGET ANGLE
A-145	Diamond	0.3-0.6	6/25*	300 kHU	10°
RAD-99	Diamond	0.3-0.6	8/22*	300 kHU	10°
RAD-99	OR-III	0.3-0.6	8/22*	300 kHU	10°
RAD-99B	OR-IIIB	0.3-0.6	8/22*	300 kHU	10°
G-292	B-130H/B-146H*	0.6-1.2	40/100	600 kHU	12°
G-296	B-130H/B-146H*	0.6-1.0	32/72	600 kHU	12°
G-297	B-130H/B-146H*	0.3-0.8	12/49	600 kHU	12°
G-692	B-130HM/B-146HM*	0.6-1.2	40/100	600 kHU	12°
G-696	B-130HM/B-146HM*	0.6-1.0	32/72	600 kHU	12°
G-892	B-130H/B-146H*	0.6-1.2	40/100	857 kHU	12°
G-896	B-130H/B-146H*	0.6-1.0	32/72	857 kHU	12°

To upgrade to OR-III add \$550 list (US\$)

To upgrade to B-145A add \$1500 list (US\$)

*Priced with a B-130H. To upgrade to a B-146H add \$525 list (US\$)

Mammography

INSERT TYPE	FOCAL SPOT	KW RATINGS	HEAT UNITS	TARGET ANGLE	KVP RANGE
M-105SP	0.1-0.3	0.56/2.2**	300 kHU	16°	20-50
M-109	0.1-0.25	0.45/1.5**	300 kHU	16°	20-40
M-113	0.1-0.3	1.32/4.9	300 kHU	10°/16°	20-50
M-113SP	0.1-0.3	1.32/4.9	300 kHU	10°/16°	20-50
M-146	0.1-0.4	1.4/9.0	300 kHU	10°	20-50
M-146SP	0.1-0.3	1.4/6.3	300 kHU	10°	20-50
M-147	0.1-0.3	1.32/5.7	300 kHU	10°	20-50
M-147SP	0.1-0.3	1.32/5.7	300 kHU	10°	20-50
M-149	0.25	2.2**	300 kHU	10°	20-50
RAD-85S	0.1-0.3	0.56/3.0**	300 kHU	16°	20-50
RAD-73B/HE-50	0.3	8.0	600 kHU	16°	22-49
RAD-73/HE-50	0.3	8.0	600 kHU	16°	20-49

* kW ratings: 3 phase, 60 Hz, low speed only.

** kW ratings: 3 phase, 60 Hz, 1/10 second.

B-110/B-112 Mammography Housing

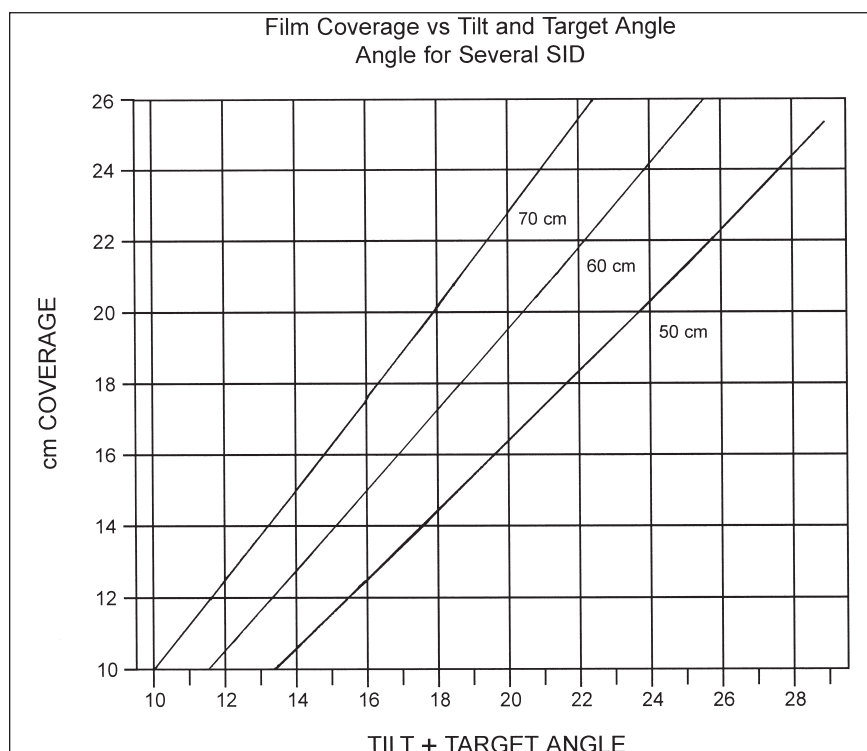


B-115 Mammography Housing



Mammography Accessories

CATALOG NUMBER	DESCRIPTION
751269	14' Low Voltage Cable with a 90° female connector on one end and un-terminated on the other end. Contact Interlay for cable length and termination availability.
751307	14' Low Voltage Cable with a 90° female connector on one end and a straight female connector on the other end. Contact Interlay for cable length and termination availability.
746405	14' High Voltage Cable, 90°/90° Terminations Contact Interlay for cable length and termination availability.
746622	15' High Voltage Cable, 90°/straight Termination. Contact Interlay for cable length and termination availability.
IK-140	25 Micron Moly Filter
IK-141	30 Micron Moly Filter
IK-160	Alden Federal Cable Adaptor



Varian X-Ray Tube Units

Diamond



OR-III



B-145A



Radiographic - Rad/Fluoro (Glass)

INSERT TYPE	HOUSING	FOCAL SPOT	KW RATING	TARGET ANGLE	HEAT UNITS
RAD-8	Diamond	1.0-2.0	25/47*	16°	150 kHU
RAD-12	Diamond	0.6-1.2	22/54	12°	150 kHU
RAD-74	Diamond	0.6-1.5	19.8/52*	14°	200 kHU
RAD-68	Diamond	1.0-2.0	54/96	14°	300 kHU
RAD-68	Diamond	0.6-1.2	29/64	14°	300 kHU
RAD-10	Diamond	0.75-1.25	19.8/41.2	16°	300 kHU
RAD-13	Diamond	1.0-2.0	39/81	16°	300 kHU
RAD-14	Diamond	0.6-1.2	32/77	12°	300 kHU
RAD-14	Diamond	0.3-1.2	7.5/77	12°	300 kHU
RAD-14	Diamond	0.6-1.5	32/95	12°	300 kHU
A-102	Diamond	1.0-2.0	40/80	16°	300 kHU
A-132	Diamond	0.6-1.2	32/76	12°	300 kHU
A-134 Grid	Diamond	0.6-1.2	32/76	12°	300 kHU
A-142	Diamond	0.3-1.0	9/70	10°	300 kHU
A-144 Grid	Diamond	0.3-1.0	9/70	10°	300 kHU
A-145	Diamond	0.3-0.6	6/25	10°	300 kHU
RAD-21	Sapphire	0.6-1.2	36/100	12°	300 kHU
A-182	B-130H	0.3-1.0	13/90	10°	300 kHU
A-186	B-130H	0.3-1.2	8.5/100	12°	300 kHU
A-192	B-130H	0.6-1.2	40/100	12°	300 kHU
A-197	B-130H	0.3-0.8	11/49	12°	300 kHU

Note: The Diamond housings fit directly into Toshiba 3", Picker/Dunlee PX-1300 series, and Machlett DX-52 trunnions. The Diamond housing is a direct replacement for the Emerald housing.

To upgrade to OR-III add \$550 list (US\$)

To upgrade to B-145A add \$1500 list (US\$)



B-130H



Sapphire

Radiographic - Rad/Fluoro (Glass)

INSERT TYPE	HOUSING	FOCAL SPOT	KW RATING	TARGET ANGLE	HEAT UNITS
A-195	B-130H	0.6-1.25	40/100	12°	350 kHU
A-196	B-130H	0.6-1.0	32/72	12°	350 kHU
RAD-44	Sapphire	1.0-2.0	55/115	16°	400 kHU
RAD-56	Sapphire	0.6-1.0	31/62	14°	400 kHU
RAD-56	Sapphire	0.6-1.2	31/85	14°	400 kHU
RAD-60	Sapphire	0.6-1.2	40/100	12°	400 kHU
A-256	B-130H	0.6-1.0	28/54	16°	400 kHU
A-272	B-130H	0.3-0.6	15/48	7°	400 kHU
A-274 Grid	B-130H	0.3-0.6	15/48	7°	400 kHU
A-277	B-130H	0.6-1.0	48/90	7°	400 kHU
A-278 Grid	B-130H	0.6-1.0	48/90	7°	400 kHU
A-282	B-130H	0.3-1.0	13/90	10°	400 kHU
A-284 Grid	B-130H	0.3-1.0	13/90	10°	400 kHU
A-286	B-130H	0.3-1.2	8.5/100	12°	400 kHU
A-287 Grid	B-130H	0.3-1.2	8.5/100	12°	400 kHU
A-292	B-130H	0.6-1.2	40/100	12°	400 kHU
A-294 Grid	B-130H	0.6-1.2	40/100	12°	400 kHU
A-297	B-130H	0.3-0.8	11/49	12°	400 kHU

Note: Sapphire housings fit directly into COMET DO-9, DO-10, Dunlee/Philips PX-1400 series, and Machlett DX-62 Trunnions.

To upgrade Sapphire to B-130H add \$310 list (US\$)

To upgrade the B-130H to B-150H add \$740 list (US\$).

Varian X-Ray Tube Units



B-130H



B-199



Sapphire

Radiographic - Rad/Fluoro (Glass - Graphite Backed)

INSERT TYPE	HOUSING	FOCAL SPOT	KW RATING	TARGET ANGLE	HEAT UNITS
RAD-92	Sapphire	0.6-1.2	40/100	12°	600 kHU
RAD-94	Sapphire	0.4-0.8	15/45.5	14°	600 kHU
G-256	B-130H	0.6-1.0	28/54	16°	600 kHU
G-292	B-130H	0.6-1.2	40/100	12°	600 kHU
G-295	B-130H	1.0-1.8	45/90	12°	600 kHU
G-296	B-130H	0.6-1.0	32/72	12°	600 kHU
G-297	B-130H	0.3-0.8	12/49	12°	600 kHU
SG-256B	B-199	0.6-1.0	32/60	16°	600 kHU
SG-292B	B-199	0.6-1.2	40/100	12°	600 kHU
SG-296B	B-199	0.6-1.0	40/70	12°	600 kHU
SG-796B	B-199	0.6-1.0	40/70	12°	600 kHU
SG-1096	B-199	0.6-1.0	40/80	12°	840 kHU
G-892	B-130H	0.6-1.2	40/100	12°	857 kHU
G-896	B-130H	0.6-1.0	32/72	12°	857 kHU

Radiographic - Rad/Fluoro (Metal - Graphite Backed)

G-692	B-130HM/ B-146HM	0.6-1.2	40/100	12°	600 kHU
G-696	B-130HM/ B-146HM	0.6-1.0	32/72	12°	600 kHU

Note: Sapphire housings fit directly into COMET DO-9, DO-10, Dunlee/Philips PX-1400 series, and Machlett DX-62 Trunnions.

To upgrade Sapphire to B-130H add \$310 list (US\$)

To upgrade the B-130H to B-150H add \$740 list (US\$)



B-160H



B-180H

Special Procedures (Metal Center Section)

INSERT TYPE	HOUSING	FOCAL SPOT	KW RATING	TARGET ANGLE	HEAT UNITS
G-1077	B-160H/B-165H	0.6-1.0	48/90	7°	1.0 MHU
G-1078 Grid	B-160H/B-165H	0.6-1.0	48/90	7°	1.0 MHU
G-1080	B-160H/B-165H	0.6-1.0	53/90	10°	1.0 MHU
G-1082	B-160H/B-165H	0.3-1.0	13/90	10°	1.0 MHU
G-1084 Grid	B-160H/B-165H	0.3-1.0	13/90	10°	1.0 MHU
G-1086	B-160H/B-165H	0.3-1.2	12/100	12°	1.0 MHU
G-1087 Grid	B-160H/B-165H	0.3-1.2	12/100	12°	1.0 MHU
G-1092	B-160H/B-165H	0.6-1.2	40/100	12°	1.0 MHU
G-1094 Grid	B-160H/B-165H	0.6-1.2	40/100	12°	1.0 MHU
G-1582BI	B-180H/B-185H	0.3 -1.0	18/112	10°	1.5 MHU
G-1582BI	B-180H/B-185H	0.6 -1.0	60/112	10°	1.5 MHU
G-1582TRI	B-180H/B-185H	0.3-0.6-1.0	18/60/112	10°	1.5 MHU
G-1584TRI	B-180H/B-185H	0.3-0.6-1.0	18/60/112	10°	1.5 MHU
G-1592	B-180H/B-185H	0.6 -1.2	47/112	12°	1.5 MHU
G-1593BI	B-180H/B-185H	0.3-1.2	15/112	12°	1.5 MHU
G-1593BI	B-180H/B-185H	0.8-1.2	57/112	12°	1.5 MHU
G-1593TRI	B-180H/B-185H	0.3-0.8-1.2	15/57/112	12°	1.5 MHU
G-2090BI	B-240H	0.3-1.0	14/82	12°	2.0 MHU
G-2090TRI	B-240H	0.3-0.6-1.0	14/45/82	12°	2.0 MHU

Note:

- 1) Heat exchanger is recommended for G-1000/G-1500/G-2000 series tubes.
- 2) To upgrade from B-180H to B-185H add \$550 list (US\$)

X-Ray Tube Accessories

Trunnion Rings

Trunnion Rings



CATALOG NUMBER	SAP NUMBER	DESCRIPTION
Diamond Housing Trunnion Rings		
55-14100	89101*	Trunnion with back bar. Four 1/4"-20 tapped holes for Liebel Flarsheim Tables, Shimadzu Over Table and Tube Stands.
25-11109	89110*	Trunnion with back bar. Four 6mm tapped holes. For Liebel Flarsheim, Siemens, Philips and Pausch. Provides 100mm mounting distance from back bar to housing center line.
CN-135	9751	Fixed Trunnion Rings

Note: Fixed housing mounting back plates available for Diamond housings. Contact your Varian representative for more information.

Sapphire Housing Trunnion Rings		
25-10923	89228*	Trunnion with back bar. Four 6mm tapped holes. For Liebel Flarsheim, Siemens, Philips and Pausch Tube Stands. Provides 100mm mounting distance from back bar to housing center line.
55-19100	89350*	Trunnion with back bar. Four 1/4"-20 tapped holes. For Liebel Flarsheim, Siemens and Philips Tube Stands.
55-73500	89240*	Trunnion with back bar for Shimadzu under table use.
55-73600	89241*	Trunnion for Shimadzu over table use.

* Catalog numbers will vary with color selection

CATALOG NUMBER	SAP NUMBER	DESCRIPTION
B-130H Housing Trunnion Rings		
CN-132	745396	21 X 92mm hole pattern M6 metric threads.
Note: Fixed housing mounting back plates available for B-130H housings. Contact your Varian representative for more information.		
B-160H Housing Trunnion Rings		
CN-150	748405	Philips, CGR, Siemens, GE, Liebel Flarsheim Hydrajust Table, Ultrarad, F100 Head Stand, Xonics and Pausch.
CN-153	748939	Shimadzu Tube Stands.
CN-163	749680	Toshiba Tube Stands.
CN-165	750324	Shimadzu Remote Table.
CN-166	746080	Shimadzu MH-50 C-Arm.
CN-167	746219	CN-150 with 3/4" backplate spacer (modification from B-180H to B-160H).
CN-168	746640	Shimadzu Fluoroscopic Tables and Tube Stands.
B-180H Housing Trunnion Rings		
CN-170	749088	Philips, CGR, Siemens, GE, Liebel Flarsheim Hydrajust Table, Ultrarad, F100 Head Stand, Xonics and Pausch.
CN-186	1361	Shimadzu MH-50 C-Arm.
B-199 Housing Trunnion Rings		
CN-199	36022	Trunnion mount for B-199, OPTI and Megalix
B-260H Housing Trunnion Rings		
CN-200	745519	Philips, GE hole pattern.
Dynamax Housing Trunnion Rings		
CN-130	570490	Trunnion mount for Dynamax 60 and 62 housings.

Note: Brackets and backplates are available for adapting Varian housings to most tube mounts and are included in the price of the trunnion rings except where special engineering is necessary.

X-Ray Tube Accessories

Heat Exchangers



Heat Exchanger
HE-50/51



Heat Exchanger
HE-100/101



Heat Exchanger
HE-320/321

CATALOG NUMBER	SAP NUMBER	DESCRIPTION
Heat Exchangers		
HE-50/51	750816/ 750927	Heat Exchanger (oil to air) with single fan. For use with B-100, B-130H, B-150H and B-160H Housings (Hose lengths up to 5 feet (1.52 meters) maximum). 48,600 HU/min dissipation at 50° CΔT.
HE-100/101*	750322/ 750323	115/230 VAC Heat Exchanger (Oil to Air) Quiet Style for B-130H, B-150H, B-160H and B-180H Housings (Hose lengths up to 40 feet (12.2 meters) maximum). 100,000 HU/min dissipation at 55° CΔT.
HE-110/111*	746214/ 746215	115/230 VAC Heat Exchanger (Oil to Air) for B-130H, B-150H, B-160H and B-180H Housings (Hose lengths up to 40 feet (12.2 meters) maximum). 93,000 HU/min dissipation at 55° CΔT.
HE-200/201	5478/10686	115/230 VAC Heat Exchanger (Oil to Water) for B-130H, B-150H, B-160H, and B-180H (Hose length up to 25 feet (7.4 meters) maximum). (Requires using HE-401 and IK-120 or IK-121)
HE-320/321*	745374/ 745375	115/230 VAC Heat Exchanger (Oil to Air) for B-130H, B-150H, B-160H and B-180H Housings (Hose lengths up to 40 feet (12.2 meters) maximum). 194,000 HU/min dissipation at 50° CΔT.
HE-401	1861	230 VAC Water Cooler, 3 kW dissipation at 50° CΔT. Select IK-120/IK-121 hoses. (Listed Below).
HE-420	2961	115 VAC Heat Exchanger (Oil to Water) hose lengths up to 23 feet (7 Meters). 243,000 HU/min (3 kW) dissipation when used with HE-401 water to air Water Cooler. Use with B-240H Housing only.
HE-580/581	745146/ 745163	115/230 VAC Heat Exchanger (Oil to Air) for B-130H, B-150H, B-160H and B-180H Housings (Hose lengths over 5 feet up to maximum of 40 feet (12.2 meters) maximum). 268,800 HU/min dissipation at 50° CΔT. Consult Varian for specific requirements when ordering.
CN-162	746715	Adapter, direct mounting of HE-100/101 to B-160H Housing.
CN-182	746716	Adapter, direct mounting of HE-100/101 to B-180H Housing.
IK-120	751467	30 meter (97 feet) water hoses for HE-401 with QD.
IK-121	751468	40 meter (130 feet) water hoses for HE-401 with QD.
IK-124*	27017	HE Diaphragm Kit for hose lengths longer than 5 feet. Consult Varian for specific requirements when ordering.

* Hose lengths longer than 5 ft. (1.52 meters) require IK-124 diaphragm kit.

CATALOG NUMBER	SAP NUMBER	DESCRIPTION
Air Circulators		
CN-180	749336	Air Circulator for B-100 Housing (100 CFM).
CN-190	748550	Air Circulator for B-150H and B-160H Housings (100 CFM).
CN-191	748790	Air Circulator for B-150H and B-160H Housings (270 CFM).
CN-192	745395	Air Circulator for B-130H Housing. (120 VAC) Note: Requires CN-132 Trunnion Rings.
CN-193	750128	Air Circulator for B-130H Housing (220 VAC). Note: Requires CN-132 Trunnion Rings.
CN-194	27484	Air Circulator for Sapphire Housing (100 CFM)
Interface Collimator Kits		
IK-150	749163	Interface Collimator Kit for Varian Housing to Philips Collimator.
IK-151	749167	Interface Collimator Kit for Varian Housing to Siemens Collimator.
IK-152	749460	Interface Collimator Kit for Varian Housing to GE Sentry III Collimator.
IK-153	749468	Interface Collimator Kit for Varian Housing to GE L.U. C-Arm Collimator.
EN-60601-1-3 Compliant Filter Kits B-130H, B-150H		
IK-161	750581	Fixed Added Filtration Kit for 12 Degree Anodes
IK-162	750580	Fixed Added Filtration Kit for 16 Degree Anodes
EN-60601-1-3 Compliant Filter Kits for Diamond/Sapphire Housings		
IK-163	7576	Fixed Added Filtration Kit
Stator Cable		

Specify Type/Conductors

Replacement X-Ray Tube Units

COMET

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
DX71H/HS	RAD-13	1.0-2.0	39/81	300 kHU	16°
DX81H/HS	RAD-14	0.6-1.2	32/77	300 kHU	12°
DX91H/HS	RAD-13	1.0-2.0	39/81	300 kHU	16°
DX93H/HS	RAD-14	0.6-1.5	32/95	300 kHU	12°
DX96H/HS	RAD-14	0.6-1.2	32/77	300 kHU	12°
	RAD-21	0.6-1.2	36/100	300 kHU	12°
DX97H/HS	RAD-14	0.6-1.2	32/77	300 kHU	12°
	RAD-21	0.6-1.2	36/100	300 kHU	12°
DX10H/HS	RAD-44	1.0-2.0	55/115	400 kHU	16°
DX101H/HS	RAD-21	0.6-1.2	36/100	300 kHU	12°
	A-196	0.6-1.0	32/72	350 kHU	12°
DX104H/HS	A-196	0.6-1.0	32/72	350 kHU	12°
	RAD-60	0.6-1.2	40/100	400 kHU	12°
DX106H/HS	RAD-92	0.6-1.2	40/100	600 kHU	12°
DX304H/HS	A-292	0.6-1.2	40/100	400 kHU	12°

Note:

- 1) Varian Sapphire housings mount directly into mounting clamp for Comet DO7-10 housing.
- 2) Please contact Varian Medical Systems if you require a replacement tube not identified above.

DUNLEE

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
PX1302	A-102	1.0-2.0	40/80	300 kHU	16°
PX1312	A-132	0.6-1.2	32/76	300 kHU	12°
PX1351	RAD-8	1.0-2.0	25/47	150 kHU	16°
PX1402	RAD-44	1.0-2.0	55/115	400 kHU	16°
PX1429	A-192	0.6-1.2	40/100	300 kHU	12°
PX1436	A-292	0.6-1.2	40/100	400 kHU	12°
PX1482	A-256	0.6-1.0	28/54	400 kHU	16°

Specify "S" or "Q" Type Stator

ELSCINT

Computerized Tomography

TUBE TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
2400/2400 ELITE/ 2400 ELECT	GS-1579**	B-180H	1.5 MHU	50k Scan
SeleCT	GS-1584*	B-230H	1.5 MHU	50k Scan
1800/2000/Sprint	GS-1587**	B-180H	1.5 MHU	50k Scan
HELICAT II	GS-2077**	B-220H	2.0 MHU	100k Scan sec
2400/2400ELITE/ 2400 ELECT	GS-2079**	B-210H	2.0 MHU	50k Scan
SeleCT	GS-3074*	B-245H	3.5 MHU	100k Scan
CT-TWIN/HELICAT	GS-3077	B-240H	3.5 MHU	300k Scan sec
CT-TWIN/HELICAT/ FLASH/RTF	GS-5079	B-502H	5.0 MHU	300k Scan sec
CT-TWIN/HELICAT/RTF	GS-6079	B-502H	7.0 MHU	100k Scan sec

SeleCT (HE-350)

* Tubes are supplied without Heat Exchanger. Heat Exchanger (HE-350) to be ordered separately.

** Please confirm availability prior to ordering.

Price includes housing value. Credit will be issued upon return of housing.

GENERAL ELECTRIC

Computerized Tomography

SCANNER TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
CT-MAX	S-270	MX-100CT	400 kHU	40k Scan
CT-MAX	GS-270	MX-100CT	600 kHU	40k Scan
Sytec 1600/1800	GS-270	MX-100CT	600 kHU	40k Scan
SYTEC 2000/3000/4000/i*	GS-1562	MX115/B-172H	1.5 MHU	80k Scan
HILIGHT ADVANTAGE	GS-2176	Jupiter	2.0 MHU	80k Scan
SYTEC SRI	GS-2176	Mini Venus	2.0 MHU	80k Scan
Pro Speed A/I,CT/e	GS-2276	MX135CT-H1	2.0 MHU	80k Scan
HiSpeed Advantage	GS-3576HS	Zeus	3.5 MHU	120k Scan
ProSpeed	GS-3576PS	ProSpeed	3.5 MHU	120k Scan
Solarix Dxi, Fxi, LXi	GS-3576S	Solarix	3.5 MHU	120k Scan
BrightSpeed	GS-3576S	Solarix 350	3.5 MHU	150k Scan sec
LightSpeed Plus/ Brightspeed	MCS-6074	B-580H	6.3 MHU	70k Amp Sec
LightSpeed VCT	MCS-8064	B-680H	8.0 MHU	6K P/E

* Please confirm availability prior to ordering.

Price includes housing value. Credit will be issued upon return of housing.

Portables

SYSTEM TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
AMX4+	RAD-11	0.8	22	196 kHU	14°
AMX 4	RAD-10	0.75	19.8	300 kHU	16°
AMX 3	A-132	0.6	21	300 kHU	12°
AMX 2	A-102	1.0-2.0	40/80	300 kHU	16°
AMX 110	A-102	1.0-2.0	40/80	300 kHU	16°

GENERAL ELECTRIC

Mammography

SYSTEM TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
Senograph 500T/600T	M-151	0.1-0.3	1.0/4.0	90 kHU	7°/12°
Senograph 700T/800T	M-153	0.1-0.3	1.0/4.0	90 kHU	7°/12°
DMR / DMR+	M-152	0.1-0.3	2.5/4.1	135 kHU	6/20°

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
MX75/HRT	A-102	1.0-2.0	40/80	300 kHU	16°
	A-132	0.6-1.2	32/76	300 kHU	12°
MX100	A-195	0.6-1.25	40/100	350 kHU	12°
	A-196	0.6-1.0	32/72	350 kHU	12°
	G-292	0.6-1.2	40/100	600 kHU	12°
MX100FLXR	A-195	0.6-1.25	40/100	350 kHU	12°
	A-196	0.6-1.0	32/72	350 kHU	12°

Special Procedures

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
MX100HTC	G-1078 Grid	0.6-1.0	48/90	1.0 MHU	7°
MX100HTG	G-1078 Grid	0.6-1.0	48/90	1.0 MHU	7°

GE/CGR

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
S240 (MSN740)	RAD-13	1.0-2.0	39/81	300 kHU	16°
S240 (MSN742)	RAD-14	0.6-1.2	32/77	300 kHU	12°
S240 (RSN742)	CG-292	0.6-1.2	36/85	500 kHU	12°
S260 (RSN742)	CG-292	0.6-1.2	36/85	500 kHU	12°
MX120 (RSN722)	G-1092	0.6-1.2	40/100	1.0 MHU	12°

Replacement X-Ray Tube Units

MARCONI / PICKER

Computerized Tomography

SCANNER TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
PQ2000	GS-2086PQ	B-242H	2.0 MHU	60k Scan
Picker 5.0 PQ Series	GS-5076	B-590H	5.0 MHU	100k Scan
Picker 6.5 PQ Series	GS-6076	B-590H	6.5 MHU	120k Scan

Note: Price includes housing value. Credit will be issued upon return of housing.

NEUSOFT

Computerized Tomography

SCANNER TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
NeuView	GS-5076	B-590H	5.0 MHU	100k Scan
NeuViz Dual	GS-5076	B-590H	5.0 MHU	150k Scan

Note: Price includes housing value. Credit will be issued upon return of housing.

PHILIPS

Computerized Tomography

SCANNER TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
Tomoscan TX, CX	GS-1580	B-180H	1.5 MHU	60k Scan
Tomoscan LX, LXC	GS-2070	B-200H	2.0 MHU	60k Scan
Tomoscan AV-Pf Tomoscan SR4000	GS-2072	B-200H	2.0 MHU	60k Scan
Tomoscan SR5000	GS-3070	B-240H	3.5 MHU	60k Scan
Tomoscan SR6000	GS-3072	B-240H	3.5 MHU	60k Scan
MX-4000	GS-5076	B-590H	5.0 MHU	100k Scan sec
MX-6000 Dual	GS-5076	B-590H	5.0 MHU	150k Scan sec
MX-8000	GS-532B	AKRON B	5.32 MHU	150K Scan sec
MX-8000 Brilliance 6	GS-532Q	AKRON Q	5.32 MHU	120K Scan sec

Note: Price includes housing value.

PHILIPS

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
RO 17/50	RAD-34	0.6-1.2	21/52	325 kHU	12.5°
	PG-292	0.6-1.2	21/52	500 kHU	12°
SRO 25/50	RAD-50	0.6-1.0	31.5/52.5	325 kHU	15°
	PG-256	0.6-1.0	30/50	500 kHU	16°
SRO 33/100	RAD-34	0.6-1.2	36/85	325 kHU	12.5°
	PG-292	0.6-1.2	36/85	500 kHU	12°

SHIMADZU

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
0.6/1.2P18C RX80 / RX85 / RX100	RAD-21	0.6-1.2	36/100	300 kHU	12°
0.6/1.2P38C RX80 / RX85 / RX100	RAD-21	0.6-1.2	36/100	300 kHU	12°
0.6/1.2P38DE RX80 / RX85 / RX100	RAD-21	0.6-1.2	36/100	300 kHU	12°
1/2P13C RX80 / RX85 / RX100	RAD-44	1.0-2.0	55/115	400 kHU	16°
1/2P33D RX80 / RX85 / RX100	RAD-44	1.0-2.0	55/115	400 kHU	16°

Please contact Varian Medical Systems if you require a replacement tube not identified above.

Computerized Tomography

SCANNER TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
SCT 3000, SCT 4000 SCT 4800TF	GS-1585	B-180H	1.5 MHU	40k Scan
SCT 50001, SCT 6800, SCT 7000TC, SCT 7000TH SCT 7000TS	GS-2075	B-220H	2.0 MHU	60k Scan
SCT 50001, SCT 6800, SCT 7000TC, SCT 7000TH SCT 7000TS	GS-2075A	B-240H	2.0 MHU	60k Scan
SCT-7000TS, SCT 7800T SCT-7000TX, SCT 7800TF SCT-7800TE	GS-3075A	B-240H	3.5 MHU	100k Scan
SCT-7000TX, SCT-7800TH SCT 7800TF, SCT 7800TE SCT 7000TS, SCT 6800	GS-4575	B-420H	5.0 MHU	60k Scan
SCT-7000TS SCT-7800TX	GS-5075	B-501H	6.5 MHU	100K Scan sec

Replacement X-Ray Tube Units

SIEMENS

Computerized Tomography

SCANNER TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
Somatom HI-Q	GS-2030	B-300H	2.0 MHU	50k Scan

Price includes housing value. Credit will be issued upon return of housing.

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
OPTI/SV 150/30/50C	SG-256B	0.6-1.0	32/60	600 KHU	16°
OPTITOP 150/30/50HC	SG-296B	0.6/1.0	40/70	600 KHU	12°
OPTI/SV 150/40/82C	SG-292B	0.6-1.2	40/100	600 KHU	12°
OPTI/SV 150/40/73C	SG-296B	0.6-1.0	40/70	600 KHU	12°
OPTI/SV 150/40/80C	SG-796B	0.6-1.0	40/80	600 KHU	12°
OPTITOP 150/40/80HC	SG-1096	0.6-1.0	40/80	840 KHU	12°

Note: Specify 2 phase or 3 phase stator

Special Procedures

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
Megalix 125/30/82C(G)M*	SG-1560	0.4/0.8	30/82	1.35 MHU	8°
Megalix 125/40/82CM	SG-1590BI	0.6-1.0	40/80	1.3 MHU	12°
Megalix 125/15/40/82 CGM	SG-1590TRI	0.3-0.6-1.0	15/40/80	1.35 MHU	12°

* Specify Grid

Note: Specify 2 phase or 3 phase stator

Toshiba

Radiographic - Rad/Fluoro

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
E7239X	RAD-8	1.0-2.0	25/47	150 kHU	16°
E7242X	RAD-74	0.6-1.5	19.8/52	200 kHU	14°
E7834X	RAD-12	0.6-1.2	22/54	150 kHU	12°
E7813X	RAD-13	1.0-2.0	39/81	300 kHU	16°
E7252X	RAD-14	0.6-1.2	32/77	300 kHU	12°
E7255X	RAD-21	0.6-1.2	36/100	300 kHU	12°
E7254X	RAD-60	0.6-1.2	40/100	400 kHU	12°
E7823FX	RAD-56	0.6-1.2	31/85	400 kHU	14°
E7869X	RAD-92	0.6-1.2	40/100	600 kHU	12°
DRX-3635	A-197	0.3-0.8	11/49	300 kHU	12°
DRX-3724	A-192	0.6-1.2	40/100	300 kHU	12°
DRX-3725	A-286	0.3-1.2	8.5/100	400 kHU	12°
DRX-3603	RAD-44	1.0-2.0	55/115	400 kHU	16°

Special Procedures

TUBE TYPE	INSERT	FOCAL SPOT	KW RATING	HEAT UNITS	TARGET ANGLE
DRX-6334	G-1582BI	0.6-1.0	60/112	1.5 MHU	10°
DRX-6434	G-1582BI	0.6-1.0	60/112	1.5 MHU	10°

Technical Information

Three Phase & Single Phase

			Three Phase				Single Phase			
INSERT TYPE	MAX KVP RATING	HEAT UNIT STORAGE KHU	kW RATINGS				kW RATINGS			
			50Hz 2850 RPM SM/LG	60 Hz 3450 RPM SM/LG	150 Hz 8500 RPM SM/LG	180 Hz 10000 RPM SM/LG	50Hz 2850 RPM SM/LG	60 Hz 3450 RPM SM/LG	150 Hz 8500 RPM SM/LG	180 Hz 10000 RPM SM/LG
A-102	150	300	24/50	26/54	38/77	40/80	N/A	21/45	N/A	N/A
A-132	150	300	19/48	21/52	30/73	32/76	N/A	N/A	N/A	N/A
A-134G	150	300	19/48	21/52	30/73	32/76	N/A	N/A	N/A	N/A
A-142	150/120	300	5.2/43	5.7/47	8.5/67	9/70	4.0/35	4.4/38	N/A	N/A
A-144G	150	300	5.2/43.5	5.7/47	8.5/67	9/70	N/A	N/A	N/A	N/A
A-145	150/120	300	5.7/22	6/25	N/A	N/A	4.5/18	5/19	N/A	N/A
A-152	150	300	34/72	37/80	53/115	58/120	N/A	N/A	N/A	N/A
A-182	150	300	7.7/54	8.4/58	12.8/85	13.5/90	N/A	N/A	N/A	N/A
A-186	150	300	4.8/58	5.3/63	8/91	8.5/100	N/A	N/A	N/A	N/A
A-192	150	300	24/58	25/63	38/91	40/100	N/A	N/A	N/A	N/A
A-195	150	350	24/58	25/63	38/91	40/100	N/A	N/A	31/78	N/A
A-196	150	350	19/43	21/48	31/68	32/72	N/A	N/A	25/59	N/A
A-197	150	300	6.3/29	7/31	10/47	11/49	N/A	N/A	N/A	N/A
A-252	150	400	35/72	37/80	55/115	58/120	N/A	N/A	46/99	N/A
A-256	150	400	16/32	18/35	26/52	28/54	N/A	N/A	21/44	N/A
A-272	150	400	8.5/28	9.5/33	14/45	15/48	N/A	N/A	10.8/37	N/A
A-274G	150	400	8.5/28	9.5/33	14/45	15/48	N/A	N/A	10.8/37	N/A
A-277	150	400	29/55	31/59	47/86	48/90	N/A	N/A	N/A	N/A
A-278	150	400	29/55	31/59	47/86	48/90	N/A	N/A	N/A	N/A
A-282	150	400	7.7/54	8.4/58	12.8/85	13.5/90	N/A	N/A	10/71	N/A
A-286	150	400	4.8/54	5.3/63	8.2/91	8.5/100	3.7/43	N/A	N/A	N/A
A-287	150	400	4.8/58	5.3/63	8.2/92	8.5/100	N/A	N/A	N/A	N/A
A-292	150	400	24/58	25/63	38/91	40/100	19/46	N/A	N/A	N/A
A-294G	150	400	24/58	25/63	38/91	40/100	19/46	N/A	N/A	N/A
A-297	150	400	6.3/29	6.8/32	10/47	11/49	N/A	N/A	N/A	N/A
CG-292	150	500	21/54	23/55	34/80	36/85	N/A	N/A	N/A	N/A
G-256	150	600	16/32	18/35	28/52	28/54	N/A	N/A	23/44	N/A
G-292	150	600	24/58	26/65	38/91	40/100	N/A	N/A	32/79	N/A
G-295	150	600	41/81	45/90	N/A	N/A	N/A	N/A	N/A	N/A
G-296	150	400	19/44	21/48	30/70	32/72	N/A	N/A	N/A	N/A
G-297	150	600	6.8/30	7.5/32	11.5/44	12/49	N/A	N/A	N/A	N/A
G-692	150	600	24/60	26/64	38/92	40/100	N/A	N/A	N/A	N/A
G-696	150	600	19/44	21/48	30/70	32/72	N/A	N/A	N/A	N/A
G-892	150	857	24/60	26/64	38/93	40/100	N/A	N/A	N/A	N/A
G-896	150	857	19/44	21/47	31/70	32/72	N/A	N/A	N/A	N/A
G-1077	150	1,000	29/54	31/58	45/85	48/90	N/A	N/A	37/70	N/A
G-1078G	150	1,000	29/54	31/58	45/85	48/90	N/A	N/A	37/70	N/A
G-1080	150	1,000	31/54	34/58	50/86	53/90	N/A	N/A	42/72	N/A
G-1082	150	1,000	7.5/54	8.1/58	12/86	13/90	5.7/43	N/A	9.8/72	N/A
G-1084G	150	1,000	7.5/54	8.1/58	12/86	13/90	5.7/43	N/A	9.8/72	N/A
G-1086	150	1,000	6.8/61	7.5/66	11/95	12/100	5.3/50	N/A	9/83	N/A
G-1087G	150	1,000	6.8/61	7.5/66	11/95	12/100	5.3/50	N/A	9/83	N/A
G-1092	150	1,000	24/61	26/66	38/95	40/100	N/A	N/A	32/80	N/A
G-1094G	150	1,000	24/61	26/66	38/95	40/100	N/A	N/A	32/80	N/A
G-1582BI (0.6-1.0)	125	1,500	35/66	38/72	58/102	60/112	N/A	N/A	N/A	N/A
G-1582BI (0.3-1.0)	125	1,500	10/66	11/72	17/102	18/112	N/A	N/A	N/A	N/A
G-1582TRI	125	1,500	10/35/66	11/38/72	17/58/102	18/60/112	N/A	N/A	N/A	N/A
G-1584TRI	125	1,500	10/35/66	11/38/72	17/58/102	18/60/112	N/A	N/A	N/A	N/A
G-1592	125	1,500	27/68	31/73	46/108	47/112	N/A	N/A	N/A	N/A
G-1593BI (0.3-1.2)	125	1,500	8.5/68	9/73	14/108	15/112	N/A	N/A	N/A	N/A
G-1593BI (0.8-1.2)	125	1,500	34/68	36/73	56/105	57/112	N/A	N/A	N/A	N/A
G-1593TRI	125	1,500	8.5/34/68	9/36/73	14/56/105	15/57/112	N/A	N/A	N/A	N/A
G-2064	125	2,000	32/58	34/62	51/92	54/96	N/A	N/A	N/A	N/A
G-2090TRI	125	2,000	8.5/25/48	9.2/28/52	12/42/77	14/45/82	N/A	N/A	N/A	N/A

Technical Information

Three Phase & Single Phase

INSERT TYPE	MAX KVP RATING	HEAT UNIT STORAGE KHU	Three Phase				Single Phase			
			kW RATINGS				kW RATINGS			
			50Hz 2850 RPM SM/LG	60 Hz 3450 RPM SM/LG	150 Hz 8500 RPM SM/LG	180 Hz 10000 RPM SM/LG	50Hz 2850 RPM SM/LG	60 Hz 3450 RPM SM/LG	150 Hz 8500 RPM SM/LG	180 Hz 10000 RPM SM/LG
M-101	52	300	0.45/2.7	0.5/2.9	N/A	N/A	N/A	N/A	N/A	N/A
M-101G	52	300	0.45/2.7	0.5/2.9	N/A	N/A	N/A	N/A	N/A	N/A
M-105SP	39	300	0.50-2.0	0.56/2.2	N/A	N/A	N/A	N/A	N/A	N/A
M-109	52	300	0.41/1.4	0.45/1.5	N/A	N/A	N/A	N/A	N/A	N/A
M-113	49	300	.77/2.8	.8/3.1	1.2/4.7	1.32/4.9	N/A	N/A	N/A	N/A
M-113SP	49	300	.77/2.8	.8/3.1	1.2/4.7	1.32/4.9	N/A	N/A	N/A	N/A
M-143	52	300	0.7/3.7	0.72/4.0	N/A	N/A	N/A	N/A	N/A	N/A
M-146	39	300	0.8/5.6	0.87/6.0	1.2/8.8	1.4/9.0	N/A	N/A	N/A	N/A
M-146SP	39	300	0.68/3.6	0.75/3.9	1.2/6.0	1.4/6.3	N/A	N/A	N/A	N/A
M-147	39	300	0.7/3.3	0.8/3.6	1.2/5.5	1.32/5.7	N/A	N/A	N/A	N/A
M-147SP	39	300	0.7/3.3	0.8/3.6	1.2/5.5	1.32/5.7	N/A	N/A	N/A	N/A
M-149	39	300	2.0	2.2	N/A	N/A	N/A	N/A	N/A	N/A
M-151	52	90	.9/3.6	1.0/4.0	N/A	N/A	N/A	N/A	N/A	N/A
M-152	49	135	N/A	N/A	N/A	Mo 2.5/5.5 Rh 2.0/4.1	N/A	N/A	N/A	N/A
M-153	49	90	N/A	N/A	N/A	1.0/4.0	N/A	N/A	N/A	N/A
PG-256	150	500	15.5/30.5	17/33	25/48	30/50	12.4/24	N/A	N/A	N/A
PG-292	150	500	21/52	23/56	34/83	36/85	17/41	N/A	34/82	N/A
RAD-4	125	300	17	18	N/A	N/A	15	16.5	N/A	N/A
RAD-8	125	150	24/45	25/47	N/A	N/A	23/42	24/43	N/A	N/A
RAD-10	150	300	18/38	19.8/41.2	N/A	N/A	N/A	N/A	N/A	N/A
RAD-11	125	196	20.4	22	N/A	N/A	N/A	N/A	N/A	N/A
RAD-12	150	150	20/46	22/54	N/A	N/A	16.5/38	17.5/41.5	N/A	N/A
RAD-13	150	300	24/50	26/55	38/77	39.2/81.2	N/A	N/A	N/A	N/A
RAD-14 (0.3-1.2)	150	300	4.3/50	4.5/54	7/74	7.5/77	3.75/38	4/39	6/60	7/65
RAD-14 (0.6-1.2)	150	300	19/50	21.5/54	31/74	32/77	13.5/38	15/39	22/60	24/65
RAD-14 (0.6-1.5)	150	300	19/60	21.5/64.2	31/92	32/95	13.5/40	15/47	22/69	24/78
RAD-21	150	300	19/60	21/65	32/92	36/100	17/53	18/57	28/82	32/88
RAD-34	150	325	22/52	24/56	35/81	36/85	N/A	N/A	N/A	N/A
RAD-44	150	400	32/65	35/72	50/100	55/115	N/A	N/A	N/A	N/A
RAD-50	150	325	19/32	20/35	30/50	31.5/52.5	N/A	N/A	N/A	N/A
RAD-56 (0.6-1.0)	150	400	18/38	20/41	28/60	31/62	N/A	N/A	N/A	N/A
RAD-56 (0.6-1.2)	150	400	18/50	20/55	28/80	31/85	N/A	N/A	N/A	N/A
RAD-60	150	400	24/60	26/66	39/96	40/100	17/50	19/52	31/80	32/88
RAD-68 (1.0-2.0)	150	300	34/60	38/66	52/93	54/96	N/A	N/A	N/A	N/A
RAD-68 (0.6-1.2)	150	300	18/40	20/44	28/61	29.8/64	N/A	N/A	N/A	N/A
RAD-73	49	600	5.4	5.9	9.0	9.4	N/A	N/A	N/A	N/A
RAD-74	125	200	18/47.5	19.8/52	N/A	N/A	14/42.5	16/45	N/A	N/A
RAD-85S	50	300	0.5/2.8	0.56/3.0	N/A	N/A	N/A	N/A	N/A	N/A
RAD-92	150	600	24/60	26/63	36/89	40/100	N/A	N/A	N/A	N/A
RAD-94	150	600	9/28	10/28.5	13.5/42	15/45.5	N/A	N/A	N/A	N/A
RAD-99	125	300	7.6/21	8.3/22.8	N/A	N/A	N/A	N/A	N/A	N/A
SG-1096	150	840	24/48	26/52	39/76	40/80	N/A	N/A	N/A	N/A
SG-1560	150	1350	18/51	N/A	30/82	N/A	N/A	N/A	N/A	N/A
SG-1590BI	125	1350	24.5/50	N/A	40/80	N/A	N/A	N/A	N/A	N/A
SG-1590TRI	125	1350	9/24.5/50	N/A	15/40/80	N/A	N/A	N/A	N/A	N/A
SG-256B	150	600	18/36	20/38	30/57	32/60	N/A	N/A	N/A	N/A
SG-292B	150	600	24/60	26/66	38/96	40/100	N/A	N/A	N/A	N/A
SG-296B	150	600	24/44	26/48	38/67.5	40/70	N/A	N/A	N/A	N/A
SG-796B	150	600	24/44	26/48	38/67.5	40/70	N/A	N/A	N/A	N/A

Stator Data Sheet

Stator Type	WB (Com-Run) Ohms	WG (Com-Phase) Ohms	BG (Run-Phase) Ohms	High-Pot Voltage @ 0.3 mA
Varian				
B-100, B-130H, B-145A, B-145W, B-160H "STD" (R)	13.6 - 16.8	42.5 - 57.5	56.1 - 75.9	1250 VAC
B-180H, B-185H "STD" (R)	11.9 - 16.1	39.1 - 52.9	50.2 - 67.8	1250 VAC
B-100 "Q"	7.7 - 10.3	13.6 - 16.8	21.3 - 28.7	1250 VAC
B-130H, B-160H "Q"	5.1 - 6.9	9.4 - 12.6	14.5 - 19.5	1250 VAC
B-100, B-130H, B-160H "P"	13.6 - 16.8	11.9 - 16.1	25.5 - 34.5	1250 VAC
B-130H, B-160H, B-199 "S" "R"	13.6 - 16.8	29.7 - 40.2	34.4 - 58.6	1250 VAC
Diamond, Sapphire	17.0 - 23.0	42.5 - 57.5	59.5 - 80.5	600 VAC
CGR				
240, 260	24.5 - 57.5	93.5 - 126.5	136.0 - 184.0	900 VAC
550, 610	31.5 - 42.5	74.0 - 100.0	106.3 - 143.7	900 VAC
M51, M52	11.9 - 16.1	11.9 - 16.1	23.8 - 32.2	—
Dunlee				
PX1300, PX1400 (S stator)	13.6 - 18.4	25.5 - 34.5	39.1 - 52.9	900 VAC
PX1400 (Q stators)	5.1 - 6.9	10.2 - 13.8	15.3 - 20.7	900 VAC
GE				
MX75, 100, 120 LOW IMPEDENCE	19.5 - 26.4	19.5 - 26.4	39.1 - 52.9	600 VAC
AMX75 HIGH IMPEDENCE	25.5 - 34.5	76.5 - 103.5	102.0 - 138.0	600 VAC
Philips				
ROT 350, 351, 360, 500, 501 ¹	7.7 - 10.3	9.4 - 12.6	17.0 - 23.0	600 VAC
Shimadzu				
RX80, RX85, RX100	7.7 - 10.3	20.4 - 27.6	28.0 - 38.0	600 VAC
Siemens				
Opti 150, Megalix	11.9 - 16.1	15.3 - 20.7	27.2 - 36.8	900 VAC
Opti 150, Megalix 3 Ø stator	2.1 - 2.9	2.1 - 2.9	2.1 - 2.9	900 VAC
Toshiba				
ALL	8.5 - 11.5	25.5 - 34.5	34.0 - 46.0	900 VAC

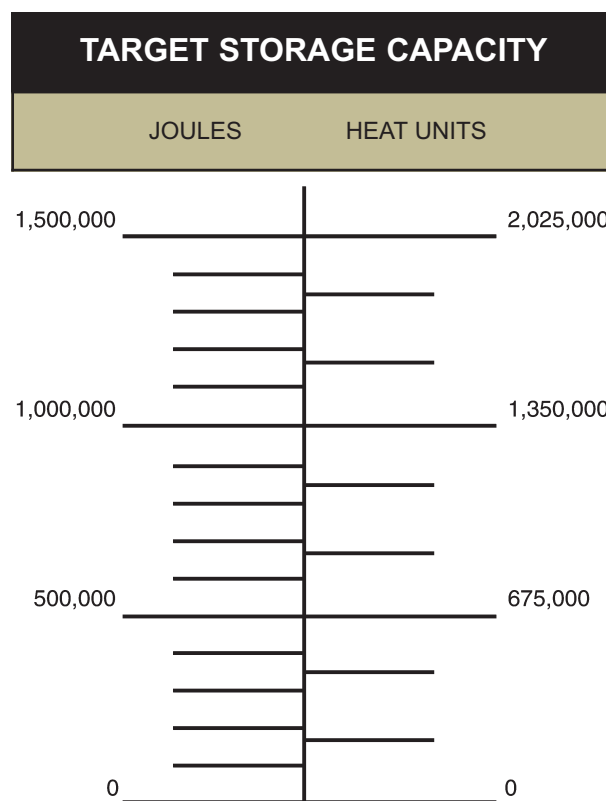
Stator Type	7-9 (Com-Run) Ohms	8-9 (Com-Phase) Ohms	7-8 (Run-Phase) Ohms	High-Pot Voltage @ 0.3 mA
Comet				
DO9/10 20/50 Ohm (Std)	17.8 - 22.3	41.5 - 55.5	68.4 - 76.5	1000 VAC
DO9/10 47/60 Ohm (HS)	45.2 - 49.8	57.5 - 62.8	100.4 - 107.5	1000 VAC

¹ Determine winding balance:

1. Remove all jumpers
2. Terminal 1 to Terminal 7: $18\Omega \pm 1\Omega$
3. Terminal 3 to Terminal 9: $18\Omega \pm 1\Omega$
4. Difference between step 2 and step 3 < 1Ω

5. Terminal 2 to terminal 8: 21Ω
6. Terminal 4 to Terminal 10: 21Ω
7. Difference between step 5 and step 6 < 1Ω

Housing Data		
Housing	Weight/lbs	Weight/Kg
B-100	41.1	18.7
B-110, B-112, B115	23.0	10.5
B-130H, B-135H	44.5	20.23
B-145A, B-145W	31.0	14.0
B-160H, B-165H	53.0	24.1
B-180H, B-185H	69.3	31.5
B-190H	102.0	46.3
B-192H	123.0	55.8
B-199	53.0	24.0
B-205H	158.0	72.0
B-225H	78.0	35.5
B-240H	73.0	33.0
B-242H	78.3	35.5
B-280H	88.0	40.0
CGR 240/260	65.0	29.5
Diamond	37.4	17.0
GE Jupiter	172.0	78.0
GE Mini Venus	168.0	75.6
GE MX75	55.0	25.0
GE MX100	75.0	34.0
ORIII	43.4	19.7
M51	36.4	16.8
M52	23.1	10.5
Philips ROT 350	68.0	31.0
Sapphire	41.6	18.9
Siemens OPTI 150	75.0	34.0



CONVERSION CHART – HEAT UNITS TO JOULES
1.0 JOULES = 1.35 HEAT UNITS

Weight includes housing, insert and oil.

Note: Weights may vary and are listed as reference only.
Please refer to Product Data Sheets for specifics.

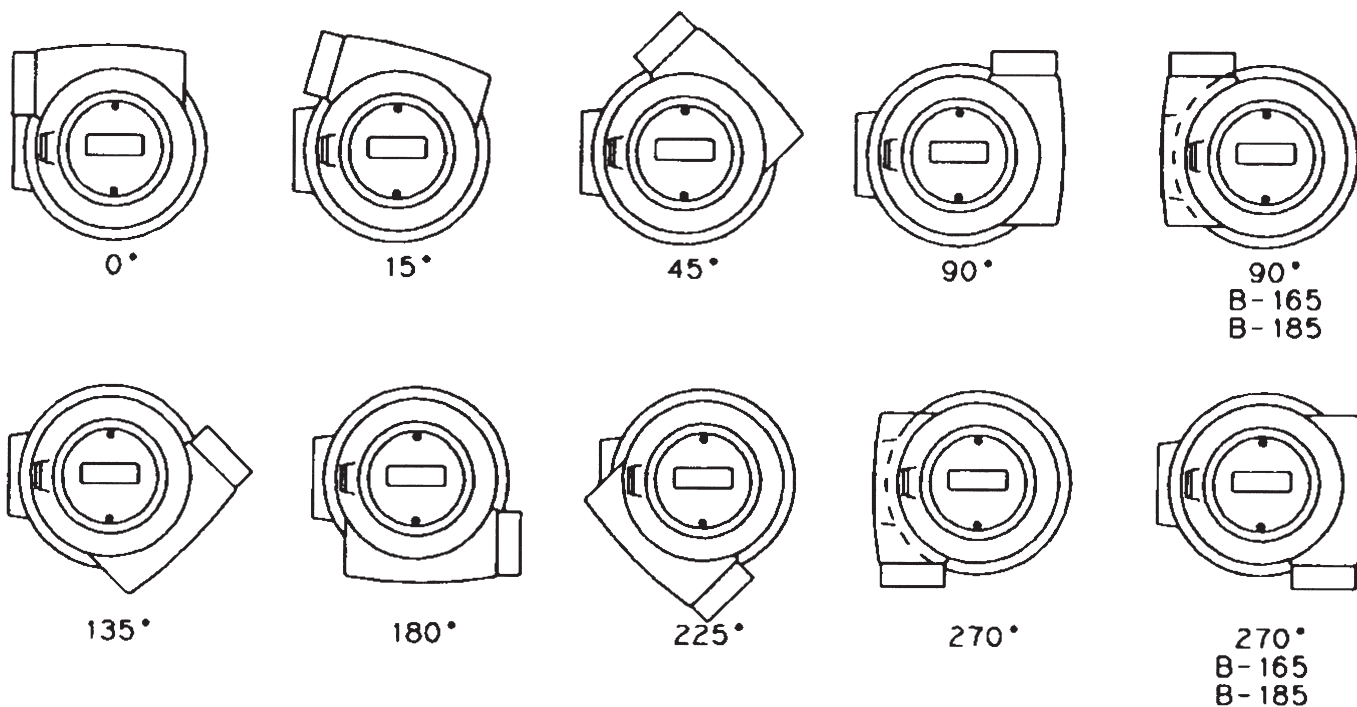
Technical Information

Housing Dissipation Rates

Housing Designation	Max. Power Dissipation Housing Only (Watts)	Max. Power Dissipation with air circulator (Watts)	Max. Power Dissipation with HE (Watts)
B-110/112/115	100	N/A	N/A
B-130H/135H	222	445	Note A
B-145A	140	N/A	N/A
B-145W	170	N/A	Note B
B-146H	1000	N/A	Note B
B-160H/165H	200	400	Note A
B-199	300	N/A	Note B
B-260H	300	N/A	Note A
Diamond	180	360	N/A
ORIII	200	N/A	N/A
Sapphire	216	432	N/A
NOTE A: Oil to Air HE-50 = 500 Watts HE-100 = 1000 Watts HE-200 = 1500 Watts HE-320/321 = 2300 Watts HE-580/581 = 4000 Watts			
NOTE B: Water to Air HE-401 = 1000 Watts (Based on $\Delta T = 45^{\circ}\text{C}$)			

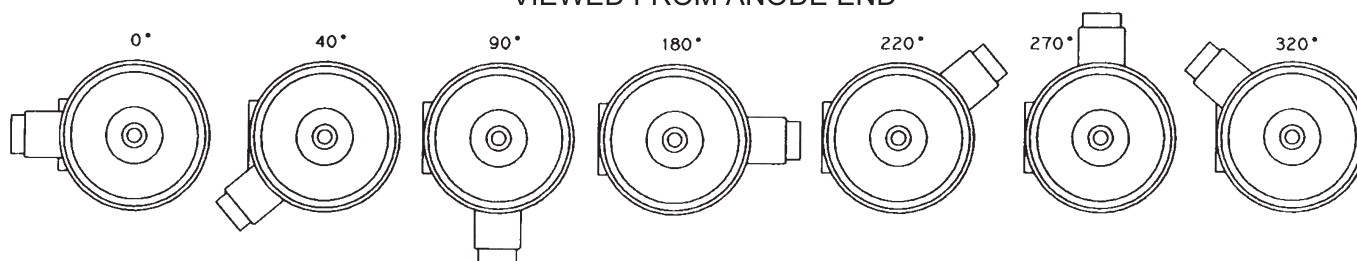
HOUSING HORN ANGLES

VIEWED FROM ANODE END

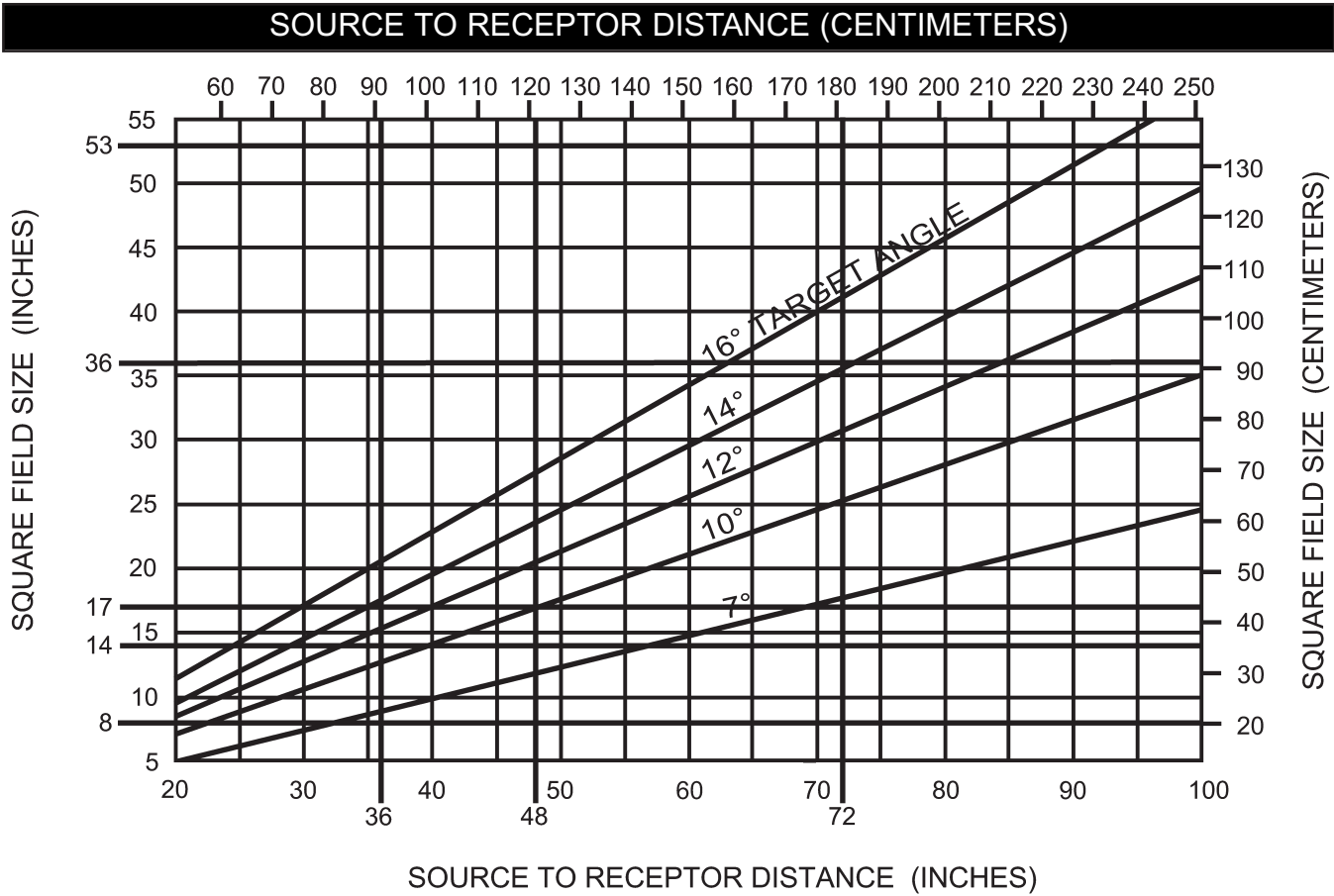


VARIAN, GE, ETC.

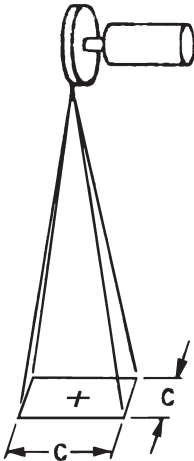
CGR STATORIX
VIEWED FROM ANODE END



Technical Information
 X-Ray Tube Coverage Charts



FOCAL-SPOT-TO-FILM DISTANCE		DIMENSION "C" FOR VARIOUS TARGET ANGLES (IN)			
(in)	(cm)	7°	10°	12°	16°
100	254.0	24.6	35.3	42.5	57.4
80	203.2	19.7	28.2	34.0	45.9
72	182.9	17.7	25.4	30.6	41.3
60	152.4	14.7	21.2	25.5	34.4
48	121.9	11.8	16.9	20.4	27.5
44	111.7	10.8	15.5	18.7	25.2
42	106.7	10.3	14.8	17.9	24.1
40	101.6	9.8	14.1	17.0	22.9
38	96.5	9.3	13.4	16.2	21.8
34	86.4	8.4	12.0	14.5	19.5
30	76.2	7.4	10.6	12.8	17.2
28	70.0	6.8	9.7	11.7	15.8
26	65.0	6.3	9.0	10.9	14.7
24	60.0	5.8	8.3	10.0	13.6



Varian X-Ray Tube Units

TUBE TYPE	FOCAL SPOT	KW RATING	TARGET ANGLE	HEAT UNITS
RAD-4	0.70	18*	14°	300 kHU
A-152	1.0-2.0	58/120	16°	300 kHU
A-252	1.0-2.0	58/120	16°	400 kHU
G-295	1.0-1.8	45/90	12°	600 kHU
M-101	0.1-0.4	0.5/3.0**	16°	300 kHU
M-101G	0.1-0.4	0.5/3.0**	16°	300 kHU
M-143	0.1-0.35	0.72/4.0**	10°	300 kHU
M-171	0.1 x .05/0.3	0.8/3.6	0°/10°	300 kHU
G-2064BI	0.5-0.8	54/96	8°	2.0 MHU

Computerized Tomography Replacement X-Ray Tube Units

TUBE TYPE	INSERT	HOUSING TYPE	HEAT UNITS	WARRANTY
1200SX MEGA HDT	GS-2096	B-225H	2.0 MHU	50k Scan
Tomoscan T-60	S-780**	B-160H	750 kHU	50k Scan
Somatom CR/DR	GS-2030	B-300H	2.0 MHU	50k Scan
Somatom DRG/DRH	GS-2030	B-300H	2.0 MHU	50k Scan

* kW ratings: 3 phase, 60 Hz, low speed only.

** kW ratings: 3 phase, 60 Hz, 1/10 second.

Telephone Order

TELEPHONE
ORDER



DATE: _____
PO: _____

SOLD TO:

Cust.: _____

Ph. _____

SHIP TO:

Cust.: _____

Ph. _____

X-RAY TUBE INFORMATION:

Hsg. Type / Mfg _____ Insert _____ Serial # _____
Focus _____ Stator _____ Horn Angle _____ Color _____
Heat Exch. _____ Hose Lgth. _____ QD: Snap Tite ☐ Parker ☐ / Lgth. _____
Cables: Qty. _____ Lgth. _____ Part # _____

FLAT PANEL:

REPAIR:

Cause / Description: _____

PRICING:

Item: _____ \$ _____
Item: _____ \$ _____

CONTRACT REVIEW & ACCEPTANCE

Marketing _____ Date _____

Production _____ Date _____

☐ Non-Conforming Product

SHIP VIA: FedEx PO FedEx SO
FedEx EC FedEx Saver Saturday

3rd Pty Acc _____

Other _____

Hsg. Exchange Due: yes ☐ no ☐

Freight Cost: \$ _____

Insurance Cost: \$ _____

TOTAL: \$ _____

Box Size: _____ Wt: _____

Place Tracking Label Here

Place Tracking Label Here

NOTES: _____

Varian Medical Systems Imaging Components is currently registered or certified under the following regulations and standards:

- ISO 13485/CMDCAS
- Council Directive 93/42/EEC, 2007/47/EC
- ISO 9001
- ISO 14971
- UL/IEC 60601-1 - 2nd and 3rd Edition
- CSA 22.2 No. 601.1
- Chinese CFDA Registration
- Japanese PAL/Yakuji-Ho: Controlled MD
- Russian MHSD: Federal Law No. 184-FZ
- Ukrainian Registration 016728 and 016729

Salt Lake City, UT

- FDA 21 CFR, Sub-Chapter J. Initial report number 7410266
- ISO 9001 Certificate Number FM21804
- ISO 13485 Certificate Number FM77566
- CE Mark Certificate Number CE 00999
- Canadian Medical Device Regulations (CMDCAS)
- ISO 14971 Certificate Number A17882

Charleston, SC

- FDA 21 CFR, Sub-Chapter J. Initial report number 8612039
- ISO 9001 Certificate Number FM81645
- ISO 13485 Certificate Number FM84906
- CE Mark Certificate Number CE 00999
- Canadian Medical Device Regulations (CMDCAS)
- ISO 14971 Certificate Number A17882

Willich, Germany

- ISO 13485 Certificate Number FM84906
- CE Mark Certificate Number CE 00999
- ISO 9001 Certificate Number FM81645
- Canadian Medical Device Regulations (CMDCAS)

Beijing, China

- YY/T 0287 Certificate No. 04709Q10016ROS-1
- Beijing Hua Guang Certification of Medical Devices Co. Ltd. (CMD)

Varian Imaging Components complies with requirements of:

- WEEE (Waste Electrical and Electronic Equipment) Directive 2002/96/EC
- RoHS (Reduction of Hazardous Substances) Directive 2002/95/EC
- Administrative Measure on the Control of Pollution Caused by Electronic Information Products, No. 39 (28 February 2006 – People's Republic of China) SJ/T11364-2006

This information is for reference use only. Please contact your Varian representative for more information.



Radiographic and Dynamic Imaging Panels

Varian is the world's premier independent supplier of flat panel digital image detectors used in medical and industrial imaging. The PaxScan[®] line of flat panel X-ray image detectors are used to capture X-ray images and instantly display them on computer screens, eliminating the need for film and film processing. Varian's panels can capture up to 60 images per second, which is fast enough to produce a moving image of a heart beating. Imaging panels are available for medical and industrial applications, including medical diagnostic, veterinary care, dental imaging, and security.

Technology

Varian's amorphous-silicon flat-panel image detectors for digital radiography work by converting the X-rays that strike its surface into light, and then turning the light into electronic data that a computer can display as a high-quality digital image.

Flat Panel Advantages

- Compact, lightweight
- Excellent image quality across entire panel (no image distortion)
- Flexibility of direct to digital
 - Eliminates camera and components
 - Eliminates film and film processing
 - Image manipulation capability eliminates retakes
- Facilitates transition to an all digital department
- Frequently allows a significant reduction in radiation dose
- High frame rates enable Cone Beam CT applications

Warranty/Returns Information for PaxScan Digital Radiography Products

Varian Medical Systems is continually making improvements to the Imaging Products business. To enable us to reduce the turn-around time in processing returns of PaxScan digital X-ray image detectors, we request that you gather data and images prior to returning the panel. We now require receipt of VIVA images depicting the fault prior to issuance of the RMA (return materials authorization) number.

Please e-mail images or post them to the Varian FTP site. To talk to a specialist, please call 1-800-432-4422, press 8.

Please use the following FTP (File Transfer Protocol) site to send .raw images for comment or analysis by our engineers when requested: <ftp://ftp.varian.com/incoming>

Proper Disposal

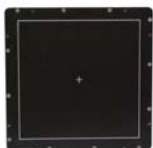
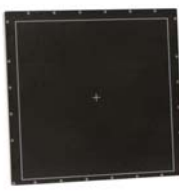
The PaxScan receptors should be returned to Varian Medical Systems for disposal. We request that you obtain an RMA number using the same procedure for warranty/returns of products.

Contact: PAXSCAN.RMA@VARIAN.COM



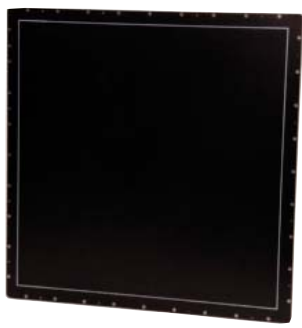
Dynamic Imaging

Panel Type	1308DX/1313DX		1508DXT/1515DXT	
				
Applications	Dental CBCT	Dental CBCT	Dental CBCT	Dental CBCT
Panel Size	13 x 8 cm	13 x 13 cm	15 x 8 cm	15 x 15 cm
Resolution	3.94 lp/mm	3.94 lp/mm	3.94 lp/mm	3.94 lp/mm
Pixel Matrix	1024 x 640 512 x 320	1024 x 1024 512 x 512	1152 x 630 576 x 315	1152 x 1152 576 x 576
Pixel Size	127 μm^2	127 μm^2	127 μm^2	127 μm^2
Frame Rate	45 fps (1x1) 85 fps (2x2)	30 fps (1x1) 60 fps (2x2)	45 fps (1x1) 85 fps (2x2)	28 fps (1x1) 56 fps (2x2)
A/D Converter	16 bit	16 bit	16 bit	16 bit
Scintillator	DRZ+, CsI	DRZ+, CsI	DRZ+, CsI	DRZ+, CsI

Panel Type	2020X	2520DX	3030X
			
Applications	Cardiac, Mobile C-arm	Dental CBCT, Bone Densitometry, ENT	Universal R&F, Gastro
Panel Size	20 x 20 cm	25 x 20 cm	30 x 30 cm
Resolution	2.58 lp/mm	3.94 lp/mm	2.58 lp/mm 1.29 lp/mm
Pixel Matrix	1024 x 1024	1536 x 1920	1536 x 1536
Pixel Size	194 μm^2	127 μm^2	194 μm^2
Frame Rate	15 fps (1x1) 30 fps (2x2)	12.5 fps (1x1) 30 fps (2x2)	15 fps (1x1) 30 fps (2x2)
A/D Converter	16 bit	16 bit	16 bit
Scintillator	CsI	DRZ+, CsI	CsI



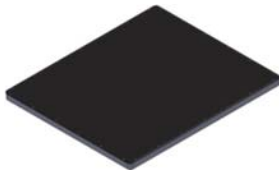
Dynamic Imaging

	4030CB	4343CB
Panel Type		
Applications	CBCT, OBI, I/V, Angio, DSA, Universal R&F	CBCT, OBI, I/V, Angio, DSA, Universal R&F
Panel Size	40 x 30 cm	43 x 43 cm
Resolution	2.58 lp/mm	3.6 lp/mm
Pixel Matrix	2048 x 1536	3072 x 3072
Pixel Size	194 μm^2	139 μm^2
Frame Rate	7.5 fps (1x1) 30 fps (2x2)	4-60 fps (1x1)*
A/D Converter	14 bit	16 bit
Scintillator	CsI	CsI

* Dependent on acquisition mode



Radiographic Imaging

	2520E+	2530C	3024M
Panel Type			
Applications	Radiographic Ruggedized Field Applications	Dental CBCT, Bone Densitometry, ENT	Digital Mammography
Panel Size	25 x 20 cm	25 x 30 cm	30 x 24 cm
Resolution	3.9 lp/mm	3.6 lp/mm	6.0 lp/mm
Pixel Matrix	1536 x 1920	1792 x 2176	3584 x 2816
Pixel Size	127 μm^2	139 μm^2	83 μm^2
Frame Rate	1 - 10 fps	1 sec. Cycle time	2 fps (1x1)
A/D Converter	14 bit	16 bit	14 bit
Scintillator	DRZ+, CsI	DRZ+	CsI

	4336R	4336X	4336W	4343R
Panel Type				
Applications	CR Cassette Replacement, Portable Digital Rad	CR Cassette Replacement, Portable Digital Rad	CR Cassette Replacement, Portable Digital Rad	Digital Rad (Chest)
Panel Size	43 x 36 cm	43 x 36 cm	43 x 36 cm	43 x 43 cm
Resolution	3.6 lp/mm	3.6 lp/mm	3.6 lp/mm	3.6 lp/mm
Pixel Matrix	3072 x 2560	3072 x 2560	3072 x 2560	3072 x 3072
Pixel Size	139 μm^2	139 μm^2	139 μm^2	139 μm^2
Frame Rate	8 / 10 sec. Cycle time	6 / 10 sec. Cycle time	6 / 10 sec. Cycle time	6 / 8 sec. Cycle time
A/D Converter	14 bit	16 bit	16 bit	14 bit
Scintillator	DRZ+, CsI	DRZ+, CsI	DRZ+, CsI	DRZ+, CsI

Suggested X-ray Tubes for Digital Applications



B-130H



B-146H



Sapphire

Varian offers an extensive line-up of rotating anode X-ray tubes suitable for use with flat panel digital detectors. Below is a suggested list of special features:

- The resolution of the small focal spot combined with the high power of the large focal spot provides homogeneous intensity distribution and outstanding image quality.
- The rotating anodes are constructed with Rhenium-Tungsten faced Molybdenum with emissive coating or graphite backing to provide excellent performance and heat storage capability with reduced track wear for high throughput applications.
- Housings can be combined with a fan or heat exchanger to provide higher cooling rates which result in both shorter intervals between exposures and a greater number of exposures.

Contact a Varian representative for more information as additional tubes are available for all applications.

Radiographic - Rad/Fluoro (Glass)

INSERT TYPE	HOUSING	FOCAL SPOT	KW RATING	TARGET ANGLE	HEAT UNITS
A-196	B-130H	0.6-1.0	32/72	12°	350 kHU
RAD-14	Diamond	0.6-1.2	32/77	12°	300kHU
RAD-56	Sapphire	0.6-1.0	31/62	14°	400 kHU
RAD-60	Sapphire	0.6-1.2	40/100	12°	400 kHU
A-286	B-130H	0.3-1.2	8.5/100	12°	400 kHU
A-287 Grid	B-130H	0.3-1.2	8.5/100	12°	400 kHU
A-292	B-130H	0.6-1.2	40/100	12°	400 kHU
A-294 Grid	B-130H	0.6-1.2	40/100	12°	400 kHU
A-297	B-130H	0.3-0.8	11/49	12°	400 kHU

Radiographic - Rad/Fluoro (Glass - Graphite Backed)

RAD-94	Sapphire	0.4-0.8	15/45.5	14°	600 kHU
G-292	B-130H*	0.6-1.2	40/100	12°	600 kHU
G-297	B-130H*	0.3-0.8	12/49	12°	600 kHU
G-296	B-130H*	0.6-1.0	32/72	12°	600 kHU
G-892	B-130H*	0.6-1.2	40/100	12°	857 kHU
G-896	B-130H*	0.6-1.0	32/72	12°	857 kHU
SG-1096	B-199	0.6-1.0	40/80	12°	840 kHU

Radiographic - Rad/Fluoro (Metal - Graphite Backed)

G-692	B-130HM/B-146HM*	0.6-1.2	40/100	12°	600 kHU
G-696	B-130HM/B-146HM*	0.6-1.0	32/72	12°	600 kHU

*Priced with a B-130H. To upgrade to a B-146H add \$525 list (US\$)

Varian's Imaging Software and Workstation products were developed for advanced digital medical imaging systems for a variety of modalities:

- Radiography and Fluoroscopy
- Digital Radiography
- Cardiology and Angiography

From increasing image clarity and accuracy, to streamlining the operation of multiple devices, the Imaging product line allows medical imaging to be safer, easier and more efficient for physicians and patients. These products are in use worldwide, often incorporated in the equipment of manufacturers of x-ray devices and facilities.

The next generation of advances in medical imaging:

- Easily integrated into your imaging platform
- Customized solutions for labor saving measures
- Minimizes the steps required from image acquisition to optimal viewing
- Touch screen, user friendly interface, easy to configure, learn, and use
- Acquired images are instantly available, ready to be reviewed or stored
- Supports multiple static and dynamic flat panel detectors
- Supports CCD cameras
- Integrated generator options available

The Imaging Software and Workstations product group is located in Liverpool, New York with customers in Asia, Europe, and North America with growing markets in Russia, China and South America.

OEM Custom Solutions

Varian's custom engineering solutions provide OEMs the ability to upgrade product offerings by increasing system functionality and detector flexibility. We will work with you to create a custom solution that increases your bottom line and separates you from the competition. Our flexible product architecture allows for faster time-to-market at lower costs, and can be customized to meet the needs of any market tier.

Dealer Solutions

At Varian, our knowledge and expertise in imaging technology combined with our reliable, world-class service has helped us develop, grow, and strengthen our dealer relations. We understand the balance between cost control and quality care, and offer a variety of imaging solutions that meet your needs. Our product lines features a full complement of radiographic and fluoroscopic imaging systems designed with flexibility, quality and user-friendliness in mind.

With a dedicated Technical Service team available 24/7, installation support, remote diagnostics, applications training and more, we work to provide the best in customer service and support.

We welcome the opportunity to discuss your needs and to share our experience and expertise.

Contact our sales team today.

Email: salesteam@varian.com

Phone: 315-453-4545

iCynergy

iCynergy™ – A cost-effective, innovative digital imaging system combining the ability to acquire both RF, CCD camera and static wireless DR panel images on a single user interface.



iCynergy provides the perfect solution for facilities looking to upgrade from film based output to digital. The consolidation of both RF and DR functionality onto one image console allows for reduction in equipment costs while maximizing asset utilization.

Cost-effectiveness

- Simple upgrade path for existing systems
- Reduce equipment costs with both RF and DR capabilities on one imaging console
- Future upgrade add-ons available
- Service mode with remote diagnostics
- 12 month system warranty

Image Quality

- InfiVision™ image processing technology delivers optimum image quality
- Advanced imaging algorithms
- Post-processing features for increased image quality

Productivity

- High-performance database for faster system throughput
- Enhanced GUI for easy navigation
- Optimized workflow
- DICOM 3.0 and IHE compliant

Integration Capabilities

- Integrated generator options available
- Integration to small and large format CCD cameras and Varian static panels; 4343R, 4336R, 4336W and 4336X panels.

System Configuration

- Complete system (hardware and software)
- Component Solution Kit (CSK)

Nexus-DRF

A state of the art multi-purpose digital imaging system, the Nexus-DRF combines digital RF and DR capabilities on one imaging platform.



Nexus-DRF is offered as either a full-system solution or a software development kit. Coupled with its multi-modality and multi-detector flexibility, Nexus-DRF provides the high-performance and technology required as a true value add for any OEM product portfolio.

Cost-effectiveness

- Reduce equipment costs with both RF and DR capabilities on one imaging console
- Future upgrade add-ons available
- Service mode with remote diagnostics
- 12-month system warranty

Image Quality

- InfiVision™ image processing technology delivers optimum image quality
- Advanced imaging algorithms
- Post-processing features for increased image quality

Productivity

- High-performance database for faster system throughput
- Enhanced GUI for easy navigation
- Optimized workflow
- DICOM 3.0 and IHE compliant

Integration Capabilities

- Integrated generator options available
- Integration to Varian 4343CB dynamic panels.

System Configuration

- Complete system (hardware and software)
- Component Solution Kit (CSK)
- Software-only solution (SOS)
- Software Development Kit (SDK)

i5DR

The i5 DR digital imaging system is a smart choice for both dealers and OEMs. Platform scalability and built-in flexibility allow for ease of use and seamless installation to either a new or existing room.



i5DR is a versatile digital platform that can be configured to address a wide range of customer requirements for both the dealer as well as OEM DR requirements. The i5DR platform can be configured as a Software Only Solution, Component Solution Kit as well as a stand-alone system. As a retrofit upgrade, i5DR can adapt to existing imaging hardware. The i5DR platform can be configured in a new radiographic room or utilized to prolong the life of an existing imaging asset.

Cost-effectiveness

- Quick and easy installation of flat panel detectors into most existing bucky trays
- Service mode with remote diagnostics
- 12 month system warranty

Image Quality

- InfiVision™ image processing technology delivers optimum image quality
- Advanced imaging algorithms
- Post-processing features for increased image quality

Productivity

- High-performance database for faster patient throughput
- User-friendly GUI for easy navigation
- Optimized workflow
- DICOM 3.0 and IHE compliant

Integration Capabilities

- Integrated generator options available
- Integration to Varian 4343R, 4336R, 4336X and 4336W panels.

Imaging Software and Workstations - Regulatory Information

Quality Management System	
ISO 9001:2008	Certificate FM 588930
ISO 13485:2003	Certificate FM 588929
USFDA 21CFR, Part 820	Establishment Registration #1318879
International Regulations	
Australian Therapeutic Goods Medical Devices Regulations	
Canadian Medical Device Regulations (CMDR / CMDCAS)	
EU (MDD) Directive 93/42/EEC as amended by 2007/47/EC	EC Certificate #589083 Declaration of Conformity
EU Directive (R&TTE) 1999/5/EC	Declaration of Conformity
Product Safety	
UL/IEC 60601-1 (2nd Edition)	
CAN/CSA C22.2 No. 601.1-M90	
UL/IEC 60601-1 (3rd Edition)	
CAN/CSA-22.2 No. 60601-1	
AAMI ES60601-1	
USFDA 21CFR, Sub-Chapter J	Accession #1330459-000
Product Licenses / Clearance	
Australian (TGA)	ARTG ID #168808
Health Canada	License #80633
Italian Ministry of Health	Protocol #40177/R
Russian Federal Service of Health Care and Social Development Control	Certificate #2009/04447
USFDA	Medical Device Listings: R043185, D095409, D102880, D119193, D125155, D128427

This information is for reference use only. Please contact your Varian representative for more information.

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