



STARMEDPRO x-ray tubes

STARRAY 150/25/48 KW

STARRRAY 150/22/54 KW

STARRAY 150/33/78 KW



Features:

- Excellent durability
- Constant high dose yield
- Improved anode heat storage capacity and cooling rate
- Special black-coated target for improved heat dissipation
- Low noise with silenced bearings
- High density compound anode

Description:

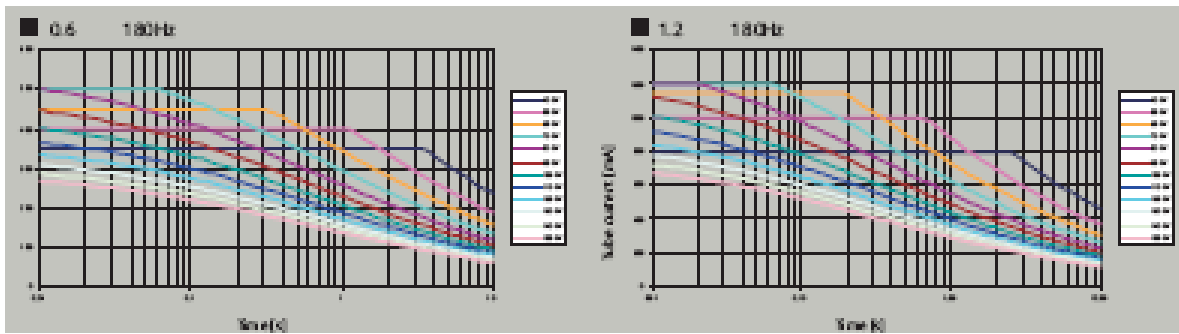
The STARRAY x-ray tube assemblies are representing the latest state of the art in x-ray tube manufacturing. All tubes from the STARRAY 8/12/14 series are dual focal tubes with 2 superimposed focal spots with different power ratings, based on advanced glass-technology. The reinforced anode has a diameter of 74 mm and due to the black coating of the anode the heat storage capacity is high. The tube assemblies are suitable to operate at 50 and 150 Hz depending on the starter device operated. They are suitable for radiography and fluoroscopy ensuring high throughput of examinations improving the workflow. The innovative composite anode material guarantees the extended life cycle of the tube, high dose yield and a prolonged lifecycle. The high quality and compact housing of the tube is very reliable to protect operator and patient against leakage dosage which is reduced to a minimum. The STARMEDPRO tube assemblies are fully compatible with products from other manufacturers. Please refer to the table below or call us for special requests.

Type STARRAY 150...	150 25/48 KW	150/22/54 KW	150/33/78 KW
<i>Nominal voltage</i>	150KV	150 KV	150KV
<i>Max. voltage f. fluoroscopy.</i>	110 KV	110 KV	110KV
<i>Nominal focal size</i>	1,0 / 2,0mm	0,6/ 1,2mm	0,6/ 1,2mm
<i>Nominal power IEC</i>	25 / 48 KW(60Hz)	22/ 54 KW(60Hz)	33/ 78 KW (180Hz)
<i>60613Filament:</i>	AC <50Khz	AC <50Khz	AC <50Khz
<i>Max. current</i>	5,3A	4,6 A-5,5A	5,4A-5,5A
<i>Max. voltage</i>	7-9 VAC	9-15 VAC	10-15 VAC
<i>Anode angle and diameter</i>	16 degrees,74mm	12 deg., 74mm	12 deg,74mm
<i>Anode material</i>	Rhenium - Tungsten, Molybdaenium Composite (RTM)	RTM	RTM
<i>Anode-heat storage capacity</i>	216000HU	230000 HU	350000 HU
<i>Max. Heat dissipation rate</i>	91,125 HU/min.	91,125 HU/min.	97,200 HU/min.
<i>Rotation frequency (fluoroscopy.)</i>	50/60 Hz (25Hz)	50/60 Hz (25Hz)	150Hz/180Hz(25Hz)
<i>Anode-boosting time</i>	1,,2 sec. with 1 phase starter 0,6 sec with 3 phase starter	same	same
<i>Heat storage capacity (IEC 60613)</i>	1,35 Mio. HU	1,35 Mio.HU	1,35 Mio. HU
<i>Max. anode heat dissipation w. fan or w/o)</i>	375 W/185 W	450 W/275 W	450W/275
<i>Leakage radiation</i>	<0,6mSv/Std.	<0,6mSv/Std.	W<0,6mSv/Std.
<i>Total filtering Al equivalent</i>	2,5mmAL/80KV	2,5mmAL/80KV	2,5mmAL/80KV
<i>Weight</i>	appr..18 Kg	appr.18 Kg	appr.18 Kg

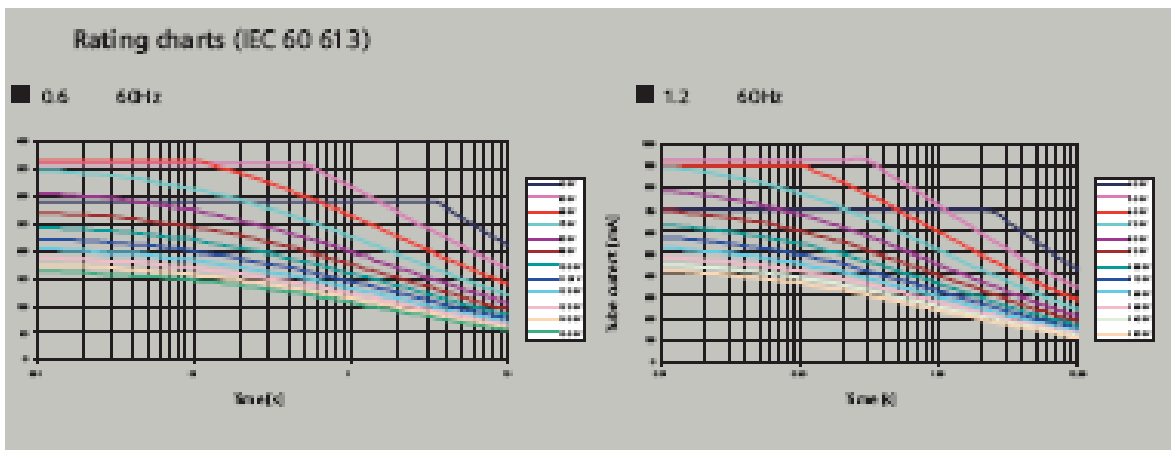
The STARMEDPRO tube assemblies are compatible with the tubes from the manufacturers listed in the table below:

STARRAY 150/25/48 KW	Varian Rad8 Emerald	Dunlee PX 1351	Toshiba E7239 X
STARRAY 150/22/54 KW	Varian Rad 12 Diamond	Dunlee PX 1312	Toshiba E 7240 FX
STARRAY 150/33/78 KW	Varian Rad 14 Diamond	Dunlee PX 1312	Toshiba E7252 X

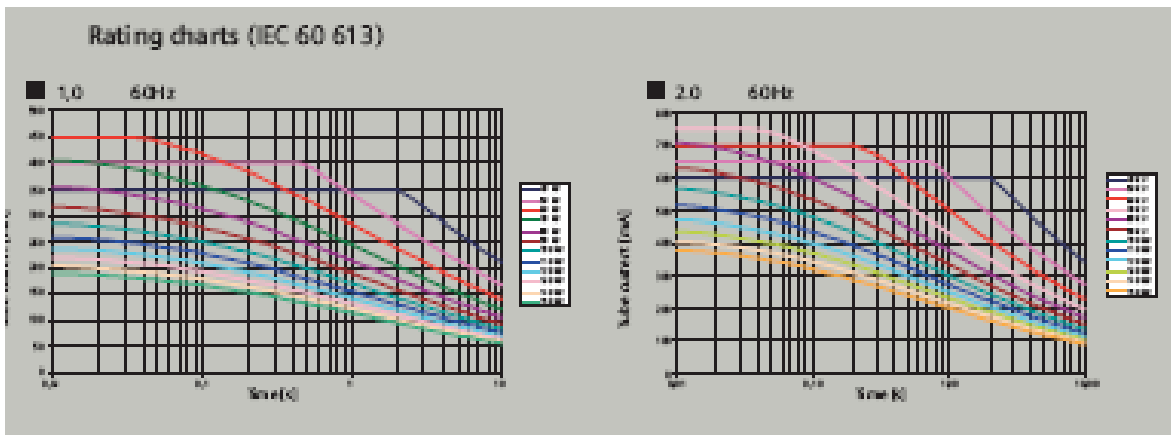
STARRAY 150/33/78

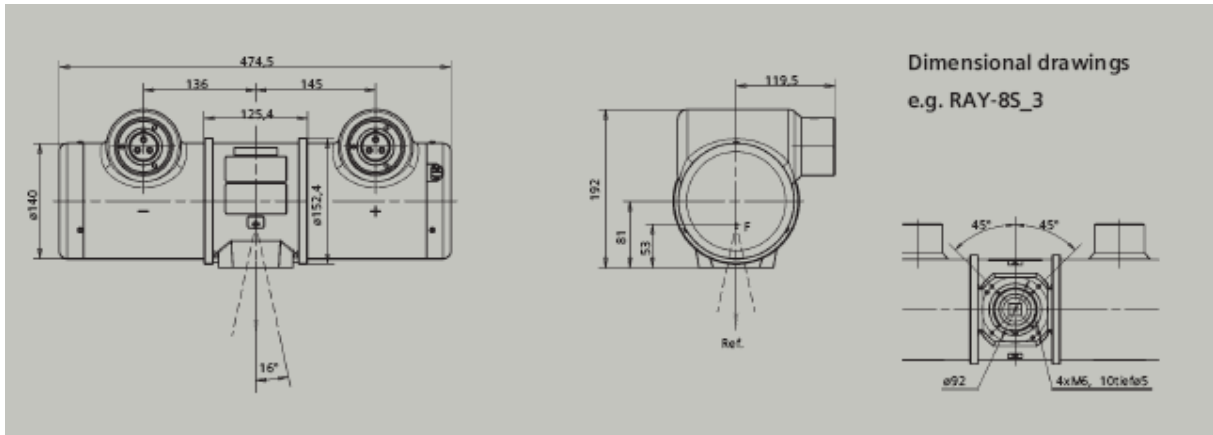


STARRAY 150/22/54



STARRAY 150/25/48





Data are subject to change without notice

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