RAY-8
X-ray Tube Assembly

Data Sheet

Description
With its focal spots of IEC 1.0 and IEC 2.0, this compact X-ray tube assembly was developed for use in radiography and fluoroscopy systems mainly in veterinary applications. The integrated high quality tube with glass design has two superimposed focal spots and a reinforced 74 mm anode.

Features and customer benefits
- Large field of view thanks to 16° anode angle
- Available with 1- and 3- phase stator
- Compact tube housing
- High long-term dose yield
- Excellent quality and reliability

<table>
<thead>
<tr>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage</td>
</tr>
<tr>
<td>Nominal voltage Fluoroscopy</td>
</tr>
<tr>
<td>Nominal focal spot values</td>
</tr>
<tr>
<td>Nominal anode input power (60 Hz)</td>
</tr>
<tr>
<td>(at 300 W average anode input power)</td>
</tr>
<tr>
<td>Nominal radiographic anode input power (60 Hz)</td>
</tr>
<tr>
<td>Filament Heating</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Anode Angle</td>
</tr>
<tr>
<td>Anode heat storage capacity</td>
</tr>
<tr>
<td>Anode drive frequencies for</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Heat storage capacity of assembly</td>
</tr>
<tr>
<td>Max. continuous heat dissipation of assembly (without/with fan)</td>
</tr>
<tr>
<td>(at ambient temperature &lt; 25°C)</td>
</tr>
<tr>
<td>Radiation Leakage</td>
</tr>
<tr>
<td>Total inherent filtration</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>

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Heating and cooling curves

- Anode

According to IEC 60613 (1989)

- X-ray tube assembly (without fan)

According to IEC 60613 (1989)

Rating charts

- Focal spot IEC 1.0

According to IEC 60613 (1989)
Anode drive 50 Hz
Thermal anode reference power 300 W

- Focal spot IEC 2.0

According to IEC 60613 (1989)
Anode drive 60 Hz
Thermal anode reference power 300 W
Creating values is our passion. Efficiency is our nature. Partnership is our way.

Types and material numbers

<table>
<thead>
<tr>
<th></th>
<th>1-phase drive, without collimator flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>RAY-8S_1</td>
</tr>
<tr>
<td>90°</td>
<td>Mat.-No. 7037182</td>
</tr>
</tbody>
</table>

Horn angles

90° 90° reverse

View from cathode side

Trunnion rings, high-voltage cables, stator cables with shielding and safety switch cables are optionally available.

F = Focus position
Ref. = Reference axis
Dimensions are given in mm
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Local Contact Information
Siemens Healthcare GmbH
Components and Vacuum Technology
Doris-Ruppenstein-Str. 4
91052 Erlangen
Germany
Phone: +49 9131 84-6911
siemens.com/oemproducts

Siemens Healthcare Headquarters
Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens.com/healthcare

Publisher for USA
Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard
Malvern, PA 19355
United States of America

Legal Manufacturer
Siemens X-ray Vacuum Technology Ltd., Wuxi
No. 112, Meiyu Road
214028 Wuxi, Jiangsu
P.R. China